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पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

INTRODUCTION

In view of the recent amendment made in the Patents Act, 1970 by the Patents (Amendment) Act, 2005 effective from 01st January 2005, the Official Journal of The Patent Office is required to be published under the Statute. This Journal is being published on weekly basis on every Friday covering the various proceedings on Patents as required according to the provision of Section 145 of the Patents Act 1970. All the enquiries on this Official Journal and other information as required by the public should be addressed to the Controller General of Patents, Designs & Trade Marks. Suggestions and comments are requested from all quarters so that the content can be enriched.

(Om Prakash Gupta)
CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS

14nd JUNE, 2019

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**THE PATENT OFFICE
KOLKATA, 14/06/2019**

Address of the Patent Offices/Jurisdictions

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2 The Patent Office, Government of India, Boudhik Sampada Bhavan, Near Antop Hill Post Office, S.M. Road, Antop Hill, Mumbai – 400 037 Phone: (91)(22) 24137701 Fax: (91)(22) 24130387 E-mail: mumbai-patent@nic.in ❖ The States of Gujarat, Maharashtra, Madhya Pradesh, Goa and Chhattisgarh and the Union Territories of Daman and Diu & Dadra and Nagar Haveli	5 The Patent Office (Head Office), Government of India, Boudhik Sampada Bhavan, CP-2, Sector -V, Salt Lake City, Kolkata- 700 091 Phone: (91)(33) 2367 1943/44/45/46/87 Fax: (91)(33) 2367 1988 E-Mail: kolkata-patent@nic.in
3 The Patent Office, Government of India, Boudhik Sampada Bhavan, Plot No. 32., Sector-14, Dwarka, New Delhi – 110075 Phone: (91)(11) 25300200 & 28032253 Fax: (91)(11) 28034301 & 28034302 E.mail: delhi-patent@nic.in ❖ The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan, Uttar Pradesh, Uttaranchal, Delhi and the Union Territory of Chandigarh.	❖ Rest of India

Website: www.ipindia.nic.in

www.patentoffice.nic.in

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 and The Patents (Amendment) Act, 2005 or by the Patents (Amendment) Rules, 2006 will be received only at the appropriate offices of the Patent Office.

Fees: The Fees may either be paid in cash or may be sent by Bank Draft or Cheques payable to the Controller of Patents drawn on a scheduled Bank at the place where the appropriate office is situated.

पेटेंट कार्यालय
कोलकाता, दिनांक 14/06/2019

• कार्यालयों के क्षेत्राधिकार के पते

विभिन्न जगहों पर स्थित पेटेंट कार्यालय के पते आंचलिक आधार पर दर्शित उनके प्रादेशिक अधिकार क्षेत्र के साथ नीचे दिए गए हैं:-

1	कार्यालय : महानियंत्रक, एकस्व, अभिकल्प तथा व्यापार चिह्न, एंटोप हिल डाकघर के समीप, एस. एम. रोड, एंटोप हिल, मुम्बई- 400 037, भारत, फोन: (91) (22) 24123311 फ़ैक्स: (91) (22) 24123322 ई. मेल: cgpdmt@nic.in	4	पेटेंट कार्यालय, भारत सरकार इंटेलेक्चुअल प्रॉपर्टी राइट्स बिल्डिंग, इंडस्ट्रियल इस्टेट एसआईडीसीओ आरएमडी गोडाउन एरिया एडजसेन्ट टु ईगल फ्लास्क, जी. एस. टी. रोड, गायन्डी चेन्नई - 600 032. फोन: (91) (44) 2250 2081-84 फ़ैक्स: (91) (44) 2250-2066 ई. मेल: chennai-patent@nic.in ❖ आन्ध्र प्रदेश, तेलंगाना, कर्नाटक, केरल, तमिलनाडु तथा पुडुचेरी राज्य क्षेत्र एवं संघ शासित क्षेत्र, लक्षदीप
2	पेटेंट कार्यालय, भारत सरकार बौद्धिक संपदा भवन, एंटोप हिल डाकघर के समीप, एस. एम. रोड, एंटोप हिल, मुम्बई- 400 037, फोन: (91) (22) 24137701 फ़ैक्स: (91) (22) 24130387 ई. मेल: Mumbai-patent@nic.in ❖ ☐ गुजरात, महाराष्ट्र, मध्य प्रदेश, गोवा तथा छत्तीसगढ़ राज्य क्षेत्र एवं संघ शासित क्षेत्र, दमन तथा दीव, दादर और नगर हवेली.	5	पेटेंट कार्यालय, भारत सरकार कोलकाता, (प्रधान कार्यालय) बौद्धिक संपदा भवन, सीपी-2, सेक्टर- V, साल्ट लेक सिटी, कोलकाता-700 091, भारत. फोन: (91) (33) 2367 1943/44/45/46/87 फ़ैक्स:/Fax: (91) (33) 2367 1988 ई. मेल: kolkata-patent@nic.in ❖ भारत का अवशेष क्षेत्र
3	पेटेंट कार्यालय, भारत सरकार बौद्धिक संपदा भवन, प्लॉट सं. 32, सेक्टर- 14, द्वारका, नई दिल्ली- 110 075. फोन: (91) (11) 25300200, 28032253 फ़ैक्स: (91) (11) 28034301, 28034302 ई. मेल: delhi-patent@nic.in हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान, उत्तर प्रदेश, दिल्ली तथा उत्तरांचल राज्य क्षेत्रों, एवं संघ शासित क्षेत्र चंडीगढ़		

वेबसाइट: <http://www.ipindia.nic.in>
www.patentoffice.nic.in

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 2005 अथवा पेटेंट (संशोधन) नियम, 2006 द्वारा वांछित सभी आवेदन, सूचनाएं, विवरण या अन्य दस्तावेज़ या कोई शुल्क पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में स्वीकृत होंगे। शुल्क: शुल्क या तो नगद रूप में या Controller of Patents के नाम में देय बैंक ड्राफ्ट या चेक के द्वारा भेजी जा सकती है जो उसी स्थान के किसी अनुसूचित बैंक में प्रदत्त हो जहाँ उपयुक्त कार्यालय स्थित है।

SPECIAL NOTICE

18 Months publication as required under Section 11A of the Patents Act, 1970 as amended by the Patents (Amendment) Act, 2005.

Notice is hereby given that any person at any time before the grant of Patent may give representation by way of opposition to the Controller of Patents at appropriate office on the ground and in a manner specified under section 25(1) of the Patents (Amendment) Act, 2005 read with Rule 55 of the Patents (Amendment) Rules, 2006.

Notice is also given that if any interested person requests for copies of the complete specification, drawing and abstract of any application already published, the photocopy of the same can be supplied by the Patent Office as per the jurisdiction on payment of prescribed fees of Rs.8/- per page. If any further details are required to be obtained, the same can be provided by the respective Patent Offices on request.

(Om Prakash Gupta)
CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS

SPECIAL NOTICE

Under the new provision of the Patents Act, 1970 as amended by the Patents (Amendment) Act, 2005 and Rules there under, Publication of the matter relating to Patents in the Official Gazette of India Part III, Section 2 has been discontinued and instead The Official Journal of the Patent Office is being published containing all the activities of The Patent Office such as publication of all the patent applications after 18th months , grant of patents & all other information in respect of the proceedings as required under the provisions of the Patents (Amendment) Act, 2005 and Rules thereunder on weekly basis on every **Friday**.

The Journal is uploaded in the website every Friday. So Paper form and CD-ROM form of the Journal are discontinued from 01/01/2009.

SPECIAL NOTICE

Every effort is being taken to publish all the patent applications under section 11(A) of the Patents Act. However, if duplication of publication of any application is found, then earlier date of publication will be taken for the purpose of provisional protection for applicant and Patent Office will grant Patent not before six months from the date of second publication, provided that there is there is no third party representation.

Early Publication:

The following patent applications have been published under section 11A (2) of The Patents (Amendment) Act 2005 and rule 24A of The Patents (Amendment) Rules, 2006. Any person may file representation by way of opposition to the Controller of Patents at the appropriate office against the grant of the patent in the prescribed manner under section 25(1) of the Patents (Amendment) Act 2005 read with the rule 55 of The Patents (Amendment) Rules, 2006:

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811019561 A

(19) INDIA

(22) Date of filing of Application :24/05/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : VISUAL GUIDANCE SYSTEM FOR PATHWAY SAFETY

(51) International classification	:G01C21/20	(71) Name of Applicant :
(31) Priority Document No	:NA	1)Copper Tracks LLP
(32) Priority Date	:NA	Address of Applicant :E-34, Sector-20, Noida, Noida, Gautam
(33) Name of priority country	:NA	Buddha Nagar, Uttar Pradesh, 201301, India Uttar Pradesh India
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)Mohit Garg
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed is a visual guidance system (100) installed on a road/pathway for enabling illumination thereof. The system includes a Central Module (101) powered by Power Source (102) and a Light Source (103) coupled to the Central Module (101). The Central Module (101) controls the operation of the Light Source (103). Also, an Optical Assembly (104) is configured in vicinity of the Light Source (103). The Optical Assembly (104) has a profiled shape to enable reflection of light emitted by the Light Source (103) for illumination of the road/pathway. Moreover, a protective casing (105) houses the Central Module, the Light Source and the Optical Assembly (104). Fig. 1

No. of Pages : 28 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911021189 A

(19) INDIA

(22) Date of filing of Application :29/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : BULLET PROOF COMPOSITE MATERIAL WITHOUT USING KEVLAR

(51) International classification	:D01F6/04	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CHIRAG GOYAL
(32) Priority Date	:NA	Address of Applicant :LIG 92, SHIVLOK COLONY,
(33) Name of priority country	:NA	PHASE-1, RANIPUR MORE, HARIDWAR, UTTRAKHAND-
(86) International Application No	:NA	249403, INDIA Uttarakhand India
Filing Date	:NA	2)AKONDI VENKATA SAI CHARAN ANUDEEP
(87) International Publication No	: NA	3)R. SARWESWARAN
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)CHIRAG GOYAL
(62) Divisional to Application Number	:NA	2)AKONDI VENKATA SAI CHARAN ANUDEEP
Filing Date	:NA	3)R. SARWESWARAN

(57) Abstract :

The researchers much attention about the lightweight composite material .Because of lightweight composite material shows a good property. Designed by several techniques; This composite material shows very good strength to stop a sniper bullet without using Kevlar. Basically, this material made in 4 different layers, by using resins this material is made.in this material first layer made with the help of titanium, glass fibre, aluminium 7075. In the second layer, the honeycomb structure is used to give the strength in a material. In this layer hollow spherical ballsO with an outer diameter 3mm and inner diameter, 2mm is used with acrylic to fill the gap in the honeycomb structure. The total thickness of this material is 5mm with a weight of 50 fo 60 grams in 84 cm sheet. It is very light and less thickness. The aim of this paper to analysis of light velocity bullet proof composite material. The entire material is tested with a M107 .50 caliber which has a muzzle velocity of 2800fps and a muzzle energy of 15582J and maximum range of 6812m and effective range is 1829m

No. of Pages : 11 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911021402 A

(19) INDIA

(22) Date of filing of Application :29/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : PRINTED METALLISED BOPP, CPP USING TWO-COMPONENT PRIMER-HARDENER SYSTEM, NITROCELLULOSE BASED INK AND OVERCOAT

(51) International classification	:C08G18/02
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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1)NEELAKAMAL MOHAPATRA

2)REETESH KUMAR

3)JITENDRA KUMAR SHARMA

4)PARVEEN KUMAR TANWAR

5)VIKAS KUMAR TANWAR

(57) Abstract :

The present invention relates to a printed metallised biaxially oriented polypropylene (BOPP), and cast polypropylene (CPP) substrate film which uses a two-component primer-hardener system, printing the metallised substrate film with a nitrocellulose based ink, providing a nitrocellulose based overcoat over the printed nitrocellulose based ink. The printed and overcoat applied film is then heat-sealed with a heat-seal lacquer. The printed structure exhibits improved adhesion, folding, bending and sealable properties.

No. of Pages : 13 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911021418 A

(19) INDIA

(22) Date of filing of Application :30/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : A FUEL UNIT ASSEMBLY

(51) International classification	:G21C3/06	(71)Name of Applicant :
(31) Priority Document No	:NA	1)JNS INSTRUMENTS LTD.
(32) Priority Date	:NA	Address of Applicant :PLOT NO.-4 SECTOR-3 IMT
(33) Name of priority country	:NA	MANESAR HARYANA-122050, INDIA Haryana India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)RAJESH SINGH
(87) International Publication No	: NA	2)ARUN KUMAR SHARMA
(61) Patent of Addition to Application Number	:NA	3)ISHWAR SINGH
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present subject matter relates to a fuel unit assembly 200 for vehicles 100 which preferably includes a stay-arm C attached to one end of a hermetic housing B and a float arm assembly A connected to another end of the hermetic housing B. The hermetic housing B is structured of a lower case 304 encompassing a thin film resistor 306 fitted within a space en-carved on the lower case 304. Further, a wiper 312 is fitted above the thin film resistor 306 in the lower case 304 for movement along an arc shaped conductive trace carved on the thin film resistor 306. The present subject matter explains the fact that the lower case 304 is hermetically shielded by an upper case 302 with ultrasonic welding. Also, the upper case 302 is provided with an aperture 316 extending there through the upper case 302 in which a carrier 318 is movably hinged to the upper case 302 to receive and provide the path for guiding the movement of the float arm 322 in a fuel tank 102. The uniqueness of the present subject matter is the way the thin film resistor 306 is pushed along the guiding slot 308 designed integrally with the lower case 304. Also, the lower case 304 is designed with a poka-yoke pin 330 protruded through the stay arm C to guide the assembly of the stay arm C. REFER: FIG. 3

No. of Pages : 28 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911021938 A

(19) INDIA

(22) Date of filing of Application :03/06/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : A PROCESS FOR PRODUCING A HIGH-QUALITY PURE SALT

(51) International classification	:C01D3/14	(71)Name of Applicant :
(31) Priority Document No	:NA	1)RAJKUMAR PUROHIT
(32) Priority Date	:NA	Address of Applicant :C/o Bharat Salt Company, Opposite
(33) Name of priority country	:NA	Railway Siding, Ward No. 1, Nawa City - 341509 , Rajasthan
(86) International Application No	:NA	Rajasthan India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)RAJKUMAR PUROHIT
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present subject matter relates to a process for producing a high-quality pure salt from an impure salt, the process comprising the steps of: wet grinding the impure salt to obtain a slurry, washing the slurry with a saturated aqueous solution to obtain a partially purified salt, shaking the partially purified salt through a container comprising a predetermined size and a predetermined motion to produce a partially purified salt of low moisture content, drying the partially purified salt of low moisture content to obtain a dried partially purified salt, passing the dried partially purified salt to a sieving unit to separate the particles on the basis of their dimensions, scanning the separated partially purified salt through an optical sorter means to detect the undesired dimensions or undesired color of the particles, curing the undesired dimensions of the particles to receive a pure salt with a desired size of particles.

No. of Pages : 19 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911021957 A

(19) INDIA

(22) Date of filing of Application :03/06/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : ENDOTRAINER WITH ADJUSTABLE LENS

(51) International classification	:G09B23/285
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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Address of Applicant :House No. 147, Mahavatpur, Bijnor,
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(72)Name of Inventor :

1)Dr. Nitin Kumar

(57) Abstract :

An endo trainer (1) comprising: - a platform (2) on which materials are to be placed for performing a training operation; - a body (3) opened at one end and is adapted to enclose a volume when placed on a part of the platform (2), the body (3) is movably coupled to the platform such that to allow access to the part of platform, the body is having a plurality of apertures (4) to allow access of the part of the platform (2) to laparoscopic operating instruments; - a light source (5) is placed in such a way, so as to be inside the volume when the body (3) is covering the part of the platform (2); - a camera (6) is placed in such a way, so as to be inside the volume when the body (3) is covering the part of the platform (2); and - an output unit communicatively coupled to the camera, and to receive and display an image or a video captured by the camera (6), characterized in that, wherein the camera (6) comprises an adjustment means to enable adjustment of the focal length of the camera (6). (Fig. 1)

No. of Pages : 20 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911022111 A

(19) INDIA

(22) Date of filing of Application :04/06/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : CCF HEATER CORE ASSEMBLY

(51) International classification :B60H1/00057
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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5)Rohan Himanshu Shah

6)Nipun Vashishth

7)Abhay Kumar

8)Vijayaraghavan.S

9)Dakshinamurthy Govindaraj

10)K Srinivas

(57) Abstract :

A heater core assembly (10) comprising: a core (12) comprising a plurality of micro-tubes (13A, 13B) , the plurality of micro-tubes (13A, 13B) being stacked in horizontal rows (15) between at least two headers (18) by inserting ends of each of the micro-tubes (13A,13B) into slots (42A, 42B) provided in the headers (18); a partition plate (30) disposed vertically in each of header (18) to define two vertical chambers (18A, 18B); wherein each of the horizontal rows (15) include at least one first micro-tube (13A) inserted in the first chamber (18A) and at least second micro-tube (13B) inserted in the second chamber (18B) to enable flow of the coolant in the core assembly (10). Fig.1

No. of Pages : 19 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911022436 A

(19) INDIA

(22) Date of filing of Application :06/06/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : DEVICE FOR CALIBRATION FREE MONITORING OF FLUID LEVEL AND METHOD THEREOF

(51) International classification	:G01N33/2888	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Indian Institute of Technology Kanpur
(32) Priority Date	:NA	Address of Applicant :Dean, Research & Development, Room
(33) Name of priority country	:NA	Number 151, Faculty Building, Post Office: IIT Kanpur, Kanpur-
(86) International Application No	:NA	208016, Uttar Pradesh, India Uttar Pradesh India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)Baquer Mazhari
(61) Patent of Addition to Application Number	:NA	2)Biswanath Panda
Filing Date	:NA	3)Vignesh Tirumalai Govindasamy
(62) Divisional to Application Number	:NA	4)Suraj Mallik
Filing Date	:NA	

(57) Abstract :

The present invention discloses a device and method for monitoring fluid level using the rate of change in capacitance with time along with a non uniform electrode. The device and method is simple to use and does not require any pre-calibration with respect to either the nature of the fluid container or the fluid inside.

No. of Pages : 17 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911022443 A

(19) INDIA

(22) Date of filing of Application :06/06/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : FORCE MEASUREMENT ARRANGEMENT

(51) International classification :G01F1/704
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)INDIAN INSTITUTE OF TECHNOLOGY KANPUR

Address of Applicant :Dean, Research & Development, Room
Number 151, Faculty Building, Post Office: IIT Kanpur Kanpur
Uttar Pradesh India 208016 Uttar Pradesh India

(72)Name of Inventor :

1)KUSHARI, Abhijit

2)SEKAR, Thyagarajan, Chandra

3)UPADHYAY, Chandra, Shekhar

4)CHALUVARANGAIAH, Keerthi, Megalapalya

5)ARORA, Rajat

6)SUNDARARAJ, Ramraj, Harikanth

(57) Abstract :

A device to measure the forces developed due to an internal flow or jet, the device comprising an inlet flange (1) adapted to connect with a flow carrying pipe, an exit flange (2) adapted to attach to a nozzle, strain gauges (8, 9, 10, 11) mounted on spurs (4, 5, 6, 7) to facilitate the measurement of strain induced by forces in different directions, said spurs operably positioned in between the inlet flange (1) and exit flange (2), and a flexible connector (3) connecting an inlet positioned in the inlet flange (1) and exit positioned in the exit flange (2) so as to ensure no load is transferred through the centre of the device is disclosed herein. Also, a method of force measurement wherein the said method includes the said device wherein the said method comprises the steps of applying force in any of direction; deflection of spurs accordingly and measuring this deflection by corresponding strain gauges. Figure 1

No. of Pages : 13 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811024748 A

(19) INDIA

(22) Date of filing of Application :03/07/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : PEPTIDE ENCAPSULATED BIODEGRADABLE NANOPARTICLES FOR TREATMENT OF NEURODEGENERATIVE DISEASES AND PREPARATION METHOD THEREOF

(51) International classification	:G01N33/564
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)Indian Institute of Technology Kanpur
Address of Applicant :Dean, Research & Development, Room
Number 151, Faculty Building, Post Office: IIT Kanpur, Uttar
Pradesh, 208016, India Uttar Pradesh India

(72)**Name of Inventor :**
1)Abhayraj S. Joshi
2)Ashwani Kumar Thakur

(57) Abstract :

A peptide encapsulated biodegradable polymeric nanoparticles for treatment of neurodegenerative diseases and preparation method thereof is disclosed. The method includes preparing stock solutions of one of QBPl peptide and NT17 peptide. The method also includes preparing empty poly (lactic-co-glycolic acid) (PLGA) nanoparticles using a nanoprecipitation protocol. The method includes activating carboxylic groups of the poly (lactic-co-glycolic acid) (PLGA) polymer using carbodiimide chemistry to prepare peptide loaded nanoparticles. The method further includes covalently linking the QBPl and NT17 peptides to activate PLGA polymer and thereby preparing peptide linked polymer. The method further includes preparing QBPl and NT17 encapsulated PLGA nanoparticles from peptide (QBPl and NT 17) linked PLGA polymer using the nanoprecipitation protocol. The method further includes coating the QBPl and NT17 encapsulated PLGA nanoparticles with polysorbate 80 to deliver coated nanoparticles in animals and cells. FIG. 1

No. of Pages : 66 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911007129 A

(19) INDIA

(22) Date of filing of Application :22/02/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : AN APPARATUS FOR CONTROLLING LUMINANCE OF WARNING LIGHTS

(51) International classification	:B60Q3/18	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Sholphin (India)
(32) Priority Date	:NA	Address of Applicant :341, Nawada Road, Behind Bharat Gas
(33) Name of priority country	:NA	Godown, N.I.T. Faridabad, Haryana-121001 Haryana India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Mr. Dushyant Verma
(87) International Publication No	: NA	2)Mr. Chetram Narwal
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An apparatus [100] for controlled luminance of warning lights is disclosed. The apparatus [100] may comprise a plurality of light sources [102] for emitting light of a predetermined frequency. A plurality of reflectors [104] may be arranged ahead of the plurality of light sources [102] to reduce spreading of the light. Each of the plurality of reflectors [104] may have a frustum shape comprising a smaller aperture [106] adjacent to the plurality of light sources [102], a larger aperture [108], and a reflecting inner surface [110]. The apparatus [100] may further comprise a cover [112] positioned ahead of the plurality of reflectors [104]. The cover [112] may comprise a lens assembly [114] present towards each of the plurality of reflectors [104]. Accordingly, the light upon refracting through the cover [112], may have a predetermined beam width and a predetermined beam height.

No. of Pages : 14 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811020795 A

(19) INDIA

(22) Date of filing of Application :04/06/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : AUTOMATED ECOMMERCE RETURN DROP BOX

(51) International classification	:G06Q30/016	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Hanif Sohrab
(32) Priority Date	:NA	Address of Applicant :2138 Sector D , Pocket 2 , Vasant Kunj
(33) Name of priority country	:NA	New Delhi - 110070 Delhi India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Hanif Sohrab
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention discloses an automated return/deposit drop box system for returning the Goods/Artifacts and depositing the documents /application. The automated return/deposit drop box system of the present invention comprises a process of returning ecommerce merchandise by filing an online return request on the ecommerce site (10), which in turn generates a return code and an appointment code. The user visits the ARDB location (30) and input the appointment code to enter the ARDB location (30), which is divided into four zones. The user first visits and enters the return code into computing terminal zone (105), then moves next to container zone (110) after complying with the requirements of computing terminal zone (105). After picking the container, the user next moves to container arrangement zone (115) for arranging the contents and then takes an appointment with ARDB system, after getting an appointment and waiting in queue, the user drops the merchandise onto ARDB system (100) for further verification and checking and on verification, the user submit the container in ARDB system and said system stores said containers in a vault (102b). Fig.1

No. of Pages : 44 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811020808 A

(19) INDIA

(22) Date of filing of Application :04/06/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : SYSTEM AND METHOD FOR VETERINARY PHARMACOVIGILANCE MONITORING AND RECORDING.

(51) International classification	:G06F19/3456
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)Balwant Poonia

Address of Applicant :706, 7th Floor, Tulip Tower Omaxe City, Shankara Residency, Ajmer Road Jaipur Rajasthan India 302026 Rajasthan India

2)Manoj Kumar Singh

(72)Name of Inventor :

1)Balwant Poonia

2)Manoj Kumar Singh

(57) Abstract :

The present subject matter relates to system and method that use operating systems for the purpose of veterinary pharmacovigilance monitoring and helping farmers for proper management of veterinary pharmacovigilance for both prescribed and non- prescribed drugs given to animals and birds for treatment purpose. The system comprises a veterinarian/chemist device having a retrievable veterinarians database for specifications of drugs into the animal and birds and an input/output device enabling a prescribing veterinarian or chemists to enter prescription information into the veterinarian/chemist device. The veterinarians database is to be capable of receiving and storing feedbacks of drug side effects regularly from a farmer/animal owner device through the data transfer interface.

No. of Pages : 28 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911019665 A

(19) INDIA

(22) Date of filing of Application :17/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : A METHOD AND SYSTEM FOR MANAGING HOUSEKEEPING PROFESSIONALS

(51) International classification	:G06Q10/06	(71) Name of Applicant : 1)VATS, Udayan
(31) Priority Document No	:NA	Address of Applicant :House No. 276, Sector-38, Gurugram,
(32) Priority Date	:NA	Haryana-122001, INDIA Haryana India
(33) Name of priority country	:NA	(72) Name of Inventor :
(86) International Application No	:NA	1)VATS, Udayan
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention discloses a method for managing housekeeping professionals, specifically, a method for managing housekeeping professionals in such a way that it would increase their income, productivity, visibility in the society etc. The invention also discloses a system for managing housekeeping professionals.

No. of Pages : 17 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911021601 A

(19) INDIA

(22) Date of filing of Application :30/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : COMPUTER-IMPLEMENTED METHODS AND SYSTEM FOR TRACKING AND MANAGEMENT OF PROJECT ACTIVITIES IN LARGESCALE INFRASTRUCTURE PROJECTS

(51) International classification	:G06Q10/06	(71) Name of Applicant :
(31) Priority Document No	:NA	1)SYNERGIZ GLOBAL SERVICE PVT LTD
(32) Priority Date	:NA	Address of Applicant :Office No.2, B-6, Ansal Tower 38,
(33) Name of priority country	:NA	Nehru Place, New Delhi-110019, India. Delhi India
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)ARUN CHANDRAN
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Exemplary embodiments of the present disclosure are directed towards a system, comprising end user devices 102,104,106, a Project Management Module12 configured with an intelligent data reading and processing capabilities to flag delays and calculates future implications based on real-time progress inputs by end user device 102, end user device 104 and end user device 106, Project Management Module12 is equipped with suite of powerful customized user interfaces tailored to provide most insightful view of project data to suit the reporting needs across different disciplines (schedule, cost, finance, etc.), and forecast project progress, and Cloud Server 108 configured to extract project data whenever required and also back up the project data at frequent intervals to first end user, second end user, and third end user, third end user allocates the project activities to second end user, first end user, and other users from end user device106 by Project Management Module12. FIG.1

No. of Pages : 51 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911021626 A

(19) INDIA

(22) Date of filing of Application :31/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : NOVEL PEPTIDOMIMETICS LEAD AS POTENT HEPATOPROTECTIVE AGENT

(51) International classification

:C07K

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)Dr. K. Nagarajan

Address of Applicant :KIET School of Pharmacy, 13 Km stone, Ghaziabad-Meerut Road, Ghaziabad Uttar Pradesh India

2)Dr. Parul Grover

3)Dr. Roma Ghai

4)Ms. Shikha

5)Ms. Garima Varshney

(72)Name of Inventor :

1)Dr. K. Nagarajan

2)Dr. Parul Grover

3)Dr. Roma Ghai

4)Ms. Shikha

5)Ms. Garima Varshney

(57) Abstract :

In-vivo hepatoprotective potency & histopathological findings have shown a concrete evidence that the tripeptide scaffold peptidomimetic drug fullerene soot-Lys-Glu-Leu (FS-KEL) is identified as extremely potent compound against CYP 3A4 enzyme target (Fullfitness energy= -621643.22 k.cal/mol & AG value= -2123.03 k.cal/mol) with promising hepatoprotective action, thereby having a significant attenuation from CCU induced liver damage. Moreover, the data from Ligand based drug design & experimental results are very well correlated, which clearly indicated that Rational drug design approach was followed with the optimized results and findings throughout the investigation, which makes FS-KEL as an effective drug available in modern medication that can stimulate liver function or regeneration of liver cell with peptide based biofriendly drug therapy having reduced cost for the benefit of society.

No. of Pages : 56 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911020778 A

(19) INDIA

(22) Date of filing of Application :25/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : A PROCESS TO ANALYZE DEFECTS IN SOFTWARE

(51) International classification	:G06F11/36	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Dr. Rajeev Kumar
(32) Priority Date	:NA	Address of Applicant :Associate Professor, College of
(33) Name of priority country	:NA	Computing Sciences and Information Technology, Teerthanker
(86) International Application No	:NA	Mahaveer University, Moradabad (U.P.) India- 244001 Uttar
Filing Date	:NA	Pradesh India
(87) International Publication No	: NA	2)Dr. Ashutosh Kumar Bhatt
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Dr. Rajeev Kumar
(62) Divisional to Application Number	:NA	2)Dr. Ashutosh Kumar Bhatt
Filing Date	:NA	

(57) Abstract :

According to the invention, it is realized that the R-Page Algorithm is the best data processing classifier algorithmic rule to be applied over influential datasets as a result has less error values. Additionally its longer to create model however not a serious distinction between time build model in second. Within the initial half properly classified instances are partitions inquisitive about numeric and proportion price, alphabetic character statics, mean supreme error. Three completely different classifier square measure integrated by the straight forward k-means cluster algorithmic rule. Additionally this integration technique were applied happening document bug knowledge set and resolve the error ration in web applications.

No. of Pages : 11 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201821006781 A

(19) INDIA

(22) Date of filing of Application :22/02/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : AN IMPROVED GOLF TEE STRUCTURE

(51) International classification	:A63B 57/00 F16B 37/00	(71) Name of Applicant : 1)Ajay Ganesh Ubale Address of Applicant :104, Shalaka building, 4th Floor Maharshi Karve Road Opp. Cooperage Football Ground, Churchgate Mumbai Maharashtra India 400021 Gujarat India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)Ajay Ganesh Ubale
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An airline Tee is related to an attractive modern, aerodynamic design of the Golf Tee with reduced friction between ball and Tee. An airline Tee comprising a cone shaped body 2 with an enlarged head 1; an anchored end 5; a curved indent 3 on the side of the body and multiple ridges 1a and 1b on the head as a design revamp to form a runway kind of structure to give the passenger (ball) a steady seat and allow the passenger (ball) to travel further with ease. This unique design helps to place a shot more accurately and gives the ball extra yardage as compared to the traditional Tee.

No. of Pages : 20 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201921021898 A

(19) INDIA

(22) Date of filing of Application :03/06/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : MODIFIED HOT WATER SUPPLY SYSTEM FOR WATER AND ENERGY SAVING.

(51) International classification	:F24D 17/00 F24H 9/00	(71)Name of Applicant : 1)HANMANT SHINDE Address of Applicant :FLAT NO.1103, B2, MAYUR KILBIL APARTMENT, CONDOMINIUM, DHANORI, LOHEGAON ROAD, PUNE-411015, MAHARASHTRA, INDIA. Maharashtra India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)SHRIKANT SHINDE
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

MODIFIED HOT WATER SUPPLY SYSTEM FOR WATER AND ENERGY SAVING ABSTRACT: The present invention proposes a new design in the field of hot (solar) water supply in which water and energy are saved. User may want to use hot water having temperature above the recommended reference temperature. For example, user may want to use hot water for bathing from hot water pipeline only if its temperature is above 38 °C as average body temperature is approximately 37 °C. In case, user gets water having temperature less than 37 °C, user will treat this as unwanted water and it will be thrown to the waste-water/drainage pipeline as water storage facility may not be available on each floor/user space. Similarly, industry may have different recommended reference temperature for particular application. In this invention, terms such as cold water and hot water are defined with reference to recommended reference temperature level for particular application. This setup allows the user to save unwanted cold water from the hot water line in the building/plant which is wasted during daily use.

No. of Pages : 14 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201921007144 A

(19) INDIA

(22) Date of filing of Application :23/02/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : METHOD FOR MANUFACTURING THE GLASS FROM POLYETHYLENE TEREPHTHALATE

(51) International classification	:A47G 23/00 A47G 19/00	(71)Name of Applicant : 1)CHINTAN HARSHADRAY GANDHI Address of Applicant :A-402 SHIVALIK LEGACY, OPP. ZODIAC TOWER, BODAKDEV AHMEDABAD-380054, GUJARAT, INDIA Gujarat India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)CHINTAN HARSHADRAY GANDHI
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

ABSTRACT METHOD FOR MANUFACTURING THE GLASS FROM POLYETHYLENE TEREPHTHALATE The present invention provides all types (colour, weight, size and shape) of glass of polyethylene terephthalate by injection moulding and a material containing polyethylene terephthalate as the principal component irrespective of all kinds of grades and IVTMs. The present invention also provides different kind of glass irrespective of size, shape, colour and weight from the same composition such as beverage glass, water glass, butter milk glass, iced tea glass, beer steins, beer glass, hurricane glass, margarita glass, martini/ cocktail glass, cordial glass, rocks glass, highball glass, Collins glass, cosmopolitan glass, shot glass, brandy snifter, coffee glass, wine glass, sherry glass, pudding glass, dessert glass, glass goblet, and champagne glass etc. The prime objective of above project is to manufacture the PET glass of 100% virgin as well as additives/ master batch for desired colour which can be put to use for societal benefits. FIG. 1

No. of Pages : 17 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201821028981 A

(19) INDIA

(22) Date of filing of Application :01/08/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : LED CEILING LIGHT WITH INBUILT SENSOR

(51) International classification	:H05B 33/00	(71)Name of Applicant : 1)RAKESHKUMAR VINODKUMAR KHIRA
(31) Priority Document No	:NA	Address of Applicant :A-1203, RUSTOMJEE ROYAL,
(32) Priority Date	:NA	JAYWANT, SAWANT MARG, DAHISAR WEST, MUMBAI
(33) Name of priority country	:NA	400068, INDIA Gujarat India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)RAKESHKUMAR VINODKUMAR KHIRA
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A LED Ceiling Light with inbuilt Sensor, wherein sensor can be place inside the Ceiling light. The sensor is integrated with LED driver. In this, Driver with inbuilt sensor is placed inside the ceiling light and hence it is not visible to user. In the absence of an intrusion, the circuitry equipped in the LED driver will reduce the current flow in the LED Module due to which the brightness of the Ceiling Light will get diminished automatically as per the user requirement {0 % and 50 %brightness) and in the presence of intrusion, the Ceiling Light will automatically glow to 100% brightness.

No. of Pages : 27 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201921008358 A

(19) INDIA

(22) Date of filing of Application :04/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : GSM-BASED STREETLIGHT WIRELESS COMMAND AND CONTROL SYSTEM

(51) International classification	:H05B 37/00 H05B 41/00	(71)Name of Applicant : 1)Dr. Anup P. Bhat Address of Applicant :C/o Department Of Electronics, RTM Nagpur University, MJF Educational Campus , Amravati Road, North Ambazari, Nagpur-440033 Maharashtra India
(31) Priority Document No	:NA	2)Dr. Govind B. Nair
(32) Priority Date	:NA	3)Dr. Sanjay J. Dhoble
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)Dr. Anup P. Bhat
Filing Date	:NA	2)Dr. Govind B. Nair
(87) International Publication No	: NA	3)Dr. Sanjay J. Dhoble
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to GSM-based streetlight wireless command and control system including monitoring vehicle density, light intensity levels and Voltage levels required at the corresponding streetlights and controlling the streetlights to set or maintain a particular light output as 30% intensity as base intensity, 60% intensity as medium vehicle density, and 100% intensity as full vehicle density on the road at the respective streetlights which protect and provide Lamp health, power consumption estimates for respective streetlights. A streetlight controller for a streetlight includes a microcontroller; GSM system for data exchange and fault monitoring control, sensor for light level, motion sensor, density sensor from a lamp within the Streetlight; Switching network coupled with the microcontroller-GSM and operative to adjust the light level. Methods include monitoring a light level and Voltage level and adjusting a light level, estimating power consumption, or facilitating maintenance. Following invention is described in detail with the help of Figure 1 of sheet 1 showing

No. of Pages : 26 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201921008372 A

(19) INDIA

(22) Date of filing of Application :04/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : MICRO-STRIP ANTENNA APPLICATION SYSTEM FOR USE IN BREAST CANCER DETECTION

(51) International classification	:H01Q 3/00 G01S 13/00 H01Q 1/00	(71)Name of Applicant : 1)Dr. Anup P. Bhat Address of Applicant :C/o Department Of Electronics, RTM Nagpur University, MJF Educational Campus , Amravati Road, North Ambazari, Nagpur-440033 Maharashtra India 2)Dr. K. G. Reawtkar 3)Dr. S. J. Dhoble 4)Dr. Nitin G. Dumore 5)Dr. Monali N. Dumore
(31) Priority Document No	:NA	(72)Name of Inventor : 1)Dr. Anup P. Bhat 2)Dr. K. G. Reawtkar 3)Dr. S. J. Dhoble 4)Dr. Nitin G. Dumore 5)Dr. Monali N. Dumore
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Present invention relates to a micro-strip antenna application system for use in Breast cancer detection. The System can include a microwave transmitting antenna, a receiving antenna, and a signal processor. The transmitting antenna and the receiving antenna can be positioned about a breast and can be adjusted relative to one another. The Signal processor can determine a presence of a tumor within the breast based upon computations involving microwave energy transmitted by the transmitting antenna, microwave energy received by the receiving antenna, and the relative positions of the transmitting antenna and the receiving antenna. The System can include an antenna array that can determine a position of the transmitting antenna and/or the receiving antenna. In such an embodiment, the antenna array is not physically linked to the transmitting antenna. Following invention is described in detail with the help of Figure 7 of sheet 3 showing breast cover cap for breast with rectangular micro-strip antenna and Figure 8 of sheet 4 showing block diagram of scanning system.

No. of Pages : 20 No. of Claims : 4

(54) Title of the invention : MULTI COMPONENTS TO PREVENT VEHICLES FROM ACCIDENT

(51) International classification	:B60W30/16	(71) Name of Applicant :
(31) Priority Document No	:NA	1)P. ANNADURAI
(32) Priority Date	:NA	Address of Applicant :4/24 NORTH ST, PALLA
(33) Name of priority country	:NA	KALINGARAYANALLUR (VILLAGE) KEELA
(86) International Application No	:NA	PERAMBALLUR (PO), THUNGAPURAM (VIA) KUNNAM
Filing Date	:NA	(TK), PERAMBALLUR (DT) - 621716. Tamil Nadu India
(87) International Publication No	: NA	(72) Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)P. ANNADURAI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In India, the total fatalities by road accidents were 231027 and 142485, 139671, 146133, 150785, 147913 in 2010 and 2012, 2014, 2015, 2016, 2017 respectively. The components involved in this proposal are quite useful to reduce the bulk human fatalities and damage of Vehicles during accidents. Usually, the motor vehicles during the collision all inertia forces and kinetic energy is absorbed by vehicles then transmitted to road through all-tyres. In this proposal, some part of the kinetic energy is utilized to change the shape and size of the newly designed components that is incorporated inside the vehicle and remaining kinetic energy is transmitted to road. Using Newton's third law, vehicles damage can greatly be reduced by utilizing the elastic tension force and compressive force of the vehicle. This device is designed to reduce the damage during the accidents by altering the cross sectional area of shapes like Round / Oval / Polygon / Irregular and size (length, area) of the vehicle. It has to be attached in each vehicle and both side on road with same altitude from the ground clearance, during the accident other component external braking system activated by pneumatic controlling system Without rotating the wheels and contact and non-contact sensor control suddenly OFF the motor vehicle engine, Steering mechanism can be controlled even at abnormal driving of driver. So far, all the research only based on electronically operated but in this design, mechanical components are interfaced with electronic sensors which is having low cost and high reduction rate of accidents fatalities by 34.2% from total deaths. All components assembled here is to prevent vehicle from accident by means-of driver fault, unconditional road or other persons planned to accident and tree / wall / barricade should be avoided from collisions. For this assembling in a model car / van this attached the FIG. 2 components for already existing device like airbag and bumper front and back both front two seat airbags, rear 2 seats airbags cost wise compared for light vehicles 4 persons with driver travelled vehicles my components Indian Rupees approximate just 50,000.00 only for 3- time bumper change cost.

No. of Pages : 32 No. of Claims : 15

(54) Title of the invention : OPTICAL AND ECO-FRIENDLY DESIGNS FOR IMPROVING THE PERFORMANCE OF SOLAR PANEL

(51) International classification	:C09K13/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)T. SABAPATHI
(32) Priority Date	:NA	Address of Applicant :ASP/ELE, MEPCO SCH LENK ENGG
(33) Name of priority country	:NA	COLLEGE, SIVAKASI Tamil Nadu India
(86) International Application No	:NA	2)S.G. KEERTHKA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)T. SABAPATHI
(61) Patent of Addition to Application Number	:NA	2)S.G. KEERTHKA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Energy is required for a wide range of applications such as transportation, industrial applications, agricultural applications, household requirements and office applications. It can have many forms like heat energy, electrical energy, chemical energy, nuclear energy, light energy and so on. Solar energy is the radiant light and heat from the Sun that is harnessed using a range of ever-evolving technologies such as solar heating, Photovoltaics. Sunlight received by the earth in one hour is enough to meet the annual energy needs of all people worldwide. Most solar energy costs originate from the price of installing the panels and the land they sit on. In developing countries like India, majority of the population are living in medium sized houses having the average terrace area of 20 feet by 20 feet or even less than that. But the conventional panels in use today are not highly efficient and hence it is the reason why the solar energy is not relied as the prime source of power generation. Our proposed designs use some optics such as optical filters to provide additional concentration of photons to the solar panel. In order to avoid the heat developed due to concentration, a layer of coconut oil is coated to act as a source of . moist conditions on the panel. Some eco-friendly cooling methodologies like green plants are placed beneath the solar panel to avoid the rise in temperature in the solar panel.

No. of Pages : 29 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941018465 A

(19) INDIA

(22) Date of filing of Application :08/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : DEVELOPMENT OF IMPROVED PRODUCTION PROCESS OF CELLULASE FROM WASTE PULP AND PAPER SLUDGE MATERIAL

(51) International classification	:C12N9/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)KARUNYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(32) Priority Date	:NA	Address of Applicant :KARUNYA INSTITUTE OF TECHNOLOGY AND SCIENCES KARUNYA NAGAR
(33) Name of priority country	:NA	COIMBATORE TAMILNADU INDIA 641114 Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)DR. PINAKI DEY
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

TITLE: DEVELOPMENT OF IMPROVED PRODUCTION PROCESS OF CELLULASE FROM WASTE PULP AND PAPER SLUDGE MATERIAL APPLICANT: KARUNYA INSTITUTE OF TECHNOLOGY AND SCIENCES

ABSTRACT The present invention shall disclose an efficient and economic, submerged fermentative production process for enhanced production of cellulose enzyme from pulp and papersludge (PPS) material comprises of following steps; a. pretreating the pulp and papersludge (PPS) material for maximum separation of lignin and hemicelluloses to form a cellulose inducer, pretreated PPS material ; b. developing an inoculum of characterized Trichoderma reesei (MTCC 164) under predetermined reaction conditions for appearance of the inoculum; c. carrying out fermentative production of cellulase enzyme employing the pretreated PPS material and the Trichoderma reesei (MTCC 164) inoculum by batch/fedbatch mode under predetermined reaction conditions to form cellulose enzyme; d. separating the formed cellulase enzyme and lyophilized to obtain cellulase in powder form.

No. of Pages : 21 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941018502 A

(19) INDIA

(22) Date of filing of Application :09/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : IMPLEMENTATION OF ELECTRONIC VOTING SYSTEM USING SMART CARD

(51) International classification

:G06Q10/10

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)Dr.M.JAGADEESWAR|

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3)Dr.G.DHANALAKSHMI

4)Ms.R.E.MADHUMETHA

5)Ms.K.PRIYAADHARSHNI

6)Ms.S.SAGAYAMARY

(57) Abstract :

This product is the design, operation of smart electronic voting system using microcontroller, RFID to improve the election process by avoiding the electoral illegal activities. It talks about an innovative approach for voting process where the device communicates with the RFID tag which is embedded in the card. The voter scans the card, the controller checks the card and if it matches, the controller gets into the process and the voter inserts the pin number through keypad and if the pin number is confirmed then the person is allowed to vote. This online voting system is highly secured, ease of use and also reliable. It also creates and manages voting and an election detail as all the users must login by user name and password and click on his favorable candidates to register vote. This will increase the voting percentage in India and it will reduce false votes.

No. of Pages : 17 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941018507 A

(19) INDIA

(22) Date of filing of Application :09/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : DESIGN AND IMPLEMENTATION OF SMART MIRROR FOR ARTIFICIAL ASSISTANCE

(51) International classification :G06T11/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)Dr.M.JAGADEESWARI

2)Dr.G.DHANALAKSHMI

3)Mrs.S.RANGEETHA

4)Mr.R.PONPRASAD

5)Mr.R.MANIGANDAN

(57) Abstract :

The Advancement of Science and Technology has moved us more towards automated way of life. The designed product is based on the Intel Atom Processor- Z-series which runs with the help of open source operating system. Using speech processing techniques, the user can interact with the Smart Mirror through verbal commands. It actively listens to the users command, recognizes and it performs the function associated with it. It provides basic common functionalities such as weather of the city, latest updates of news and headlines, local time corresponding to the location, using social applications, getting adequate information by browsing through the internet and more, The Smart Mirror can make the people use other devices less and get them the entire world into hands through their voice commands itself. Overall, the prototype provides an easily extendable framework that can be utilized to provide even more functionality to the user.

No. of Pages : 16 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941018537 A

(19) INDIA

(22) Date of filing of Application :09/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : REMOTE CHILD MONITORING SYSTEM

(51) International classification	:G08B21/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)JEGATHEESAN, Ramya
(32) Priority Date	:NA	Address of Applicant :B 34, RAMS APARTMENT, 7,
(33) Name of priority country	:NA	PANCHAYAT MAIN ROAD, PURUNGUDI, CHENNAI-600
(86) International Application No	:NA	096, TAMILNADU, INDIA. Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)JEGATHEESAN, Ramya
(61) Patent of Addition to Application Number	:NA	2)RAMALINGAM, Hemalatha
Filing Date	:NA	3)RAMAMURTHY, Pugalenth
(62) Divisional to Application Number	:NA	4)PALANI, Raja Kumar
Filing Date	:NA	5)KALIYAPPAN, Balaji

(57) Abstract :

The present invention relates to the field of children protection from unauthorized persons. A remote child monitoring system comprises of; a software application system, face recognition system, biometric recognition system and a data layer characterized in that said application system comprises a creche search module, registration module, status module, attendance management system, child monitoring system, child tracking system.

No. of Pages : 18 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201841022051 A

(19) INDIA

(22) Date of filing of Application :13/06/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : STEADY STATE RECIPROCATING AIR COMPRESSOR MODEL

(51) International classification :F02B33/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)Dr.V.GANESH
3)Mr.A.K. BOOBALASENTHILRAJ
(72)Name of Inventor :
1)Dr.J.VENKATESAN
2)Dr.V.GANESH
3)Mr.A.K. BOOBALASENTHILRAJ

(57) Abstract :

It is time consuming and expensive process to test the high speed air compressor after the fabrication with proposed design. Most of the heavy automotive vehicles use air compressor in the brake system. Automotive compressors use disc, reed or ring valves and are run by engine itself. Well designed compressor will consume less power and deliver maximum flow of air thereby improving the power output of the I.C. engine and reduces the fuel consumption and pollution. The model will be an effective tool in compressor design and for analyzing the effect of various physical and operating parameters on performance parameters like volumetric efficiency, power required, etc.

No. of Pages : 35 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941019488 A

(19) INDIA

(22) Date of filing of Application :16/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : A PLATFORM TO SHOWCASE TALENTS OF USERS AND A METHOD TO OPERATE THE SAME

(51) International classification

:G06F16/95

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

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Address of Applicant :H.No: 6-148, (V)(M) Atmakur,
Warangal Telangana India

(72)Name of Inventor :

1)NARESH VUTLA

(57) Abstract :

A system includes a platform to showcase one or more talents of one or more users is provided. The system includes a talent processing subsystem. The talent processing subsystem includes a user profile generation subsystem configured to receive data representative of the one or more talents and a plurality of user details. The user profile generation subsystem is also configured to generate a user profile. The talent processing subsystem also includes a post feed subsystem configured to receive one or more posts from the one or more users. The post feed subsystem is also configured to post the one or more posts. The talent processing subsystem also includes a reservation subsystem configured to allow the one or more users to book tickets for the corresponding one or more trending posts upon determining the one or more trending posts. FIG. 1.

No. of Pages : 25 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941019733 A

(19) INDIA

(22) Date of filing of Application :20/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : LOW COST NOVEL HETEROGENEOUS CATALYST FOR BIODIESEL SYNTHESIS

(51) International classification	:C10L1/02	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Dr. DINESH.B
(32) Priority Date	:NA	Address of Applicant :DEPT. OF MECHANICAL
(33) Name of priority country	:NA	ENGINEERING, MEPCO SCHLENK ENGG COLLEGE,
(86) International Application No	:NA	SIVAKASI, TAMIL NADU, INDIA- 626 005. Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)Dr. DINESH.B
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The investigation brings out the process for having a higher yield of Biodiesel from waste egg shall calcinated and impregnated with KOH solution. The process includes reacting a feedstock that includes one or more fatty acid glycerol esters or one or more fatty acids or mixture thereof with an alcohol in the presence of waste egg shall calcinated and impregnated with KOH solution.as a catalyst. A catalyst for the production of alkyl esters is also disclosed.

No. of Pages : 12 No. of Claims : 5

(54) Title of the invention : DESIGN AND FABRICATION OF ELECTROMAGNETIC ENGINE

(51) International classification	:F01L9/04	(71)Name of Applicant :
(31) Priority Document No	:NA	1)R. RAJ KUMAR
(32) Priority Date	:NA	Address of Applicant :DEPT OF MECH ENGG, MEPCO
(33) Name of priority country	:NA	SCHLENK ENGG COLLEGE, MEPCO NAGAR, AMATHUR,
(86) International Application No	:NA	SIVAKASI, VIRUDHUNAGAR, TAMIL NADU, INDIA - 626
Filing Date	:NA	005. Tamil Nadu India
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1) R. RAJ KUMAR
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In recent days India is shirting from conventional transport toe-vehicles. The Indian automobile industry which is the fourth largest in the world, has increased its sale by 7.01 percent annually. It demonstrates a high potential of growth. Alongside, the country is facing severe stress in terms of carbon emission and energy security. To add more WHO report says that 14 of 15 worlds polluted cities are Indian. Pollution level in air has increased thereby increasing the death due to pollution by 1.8 billion. India imports 83 per cent crude oil. It is anticipated that India can reduce 64 percent of passenger-mobility demands and 37 percent of carbon emissions by pursuing electrical vehicles. This made many researchers to focus on e-vehicles. In the entitled project magnetic force is used to solve the problem. The working principle is very basic that same poles repel. Both the permanent and electro magnet is used. The set up remains the same as that of 1C engine. The end of the piston facing the TDC is fixed with permanent magnet. Besides to which the ferromagnetic material surrounded with coil is present. The piston is connected with the connecting rod which is inserted to the shaft on which the flywheel is mounted. When the current is supplied to the coil from the battery via the relay. The actuation of relay is controlled by Arduino UNO board. When the triggering pulse is sent to relay it is energized and the current passes through the coil and magnetic field is created, Due to same polarity, the piston gets repelled and the relay de-energizes and supply to coil is cut off. This repeats until the supply is on and rotates the shaft continuously. A potentiometer is provided to vary the speed. The output torque is 3Nm, which is not sufficient for running a two-wheeler. The torque can be increased either by increasing the number of turns and replacing magnet with higher flux density. Though there are few de-merits like high cost and less efficiency compared to e-vehicle, this will increase the life time of battery hence reducing the cost of charging and replacing the battery. Every step towards sustainable energy is cost efficient, yet it may save many lives that die in the name of pollution and also preserves nature.

No. of Pages : 11 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941009238 A

(19) INDIA

(22) Date of filing of Application :09/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : A CYSTOSCOPE WITHOUT TELESCOPE, EXTERNAL CAMERA OR TRADITIONAL LIGHT SOURCE

(51) International classification	:A61B1/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)KARUNYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(32) Priority Date	:NA	Address of Applicant :KARUNYA NAGAR, COIMBATORE, TAMILNADU - 641114. Tamil Nadu India
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)DR.GNANARAJ JESUDIAN
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention discloses a novel and cost effective Cystoscope for use in Urology diagnosis and minor Urology procedures. The Cystoscope of the present invention comprises of an hollow Cystoscope sheath of predetermined length having a front end and rear end, to allows passage into bladder through Urethra during diagnosis or procedures. A camera and LED lights are housed in a water tight compartment and fixed on the front end of the cystoscopy sheath to provide lighting and monitor/record diagnosis or procedures. An USB hub is disposed on outer surface of the cystoscopy sheath near the rear end to connect the camera to a computing device through wires which runs in a water tight channel inside the cystoscopy sheath for transmitting digital data to the computing device. An irrigation channel and outlet are disposed on outer surface of the Cystoscope sheath near the rear end for irrigation to open passage and keep bladder distended during diagnosis or procedures. A working channel is fixed on the rear end of the cystoscopy sheath for introducing instruments to perform Urology diagnosis and minor Urology procedures.

No. of Pages : 13 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941018959 A

(19) INDIA

(22) Date of filing of Application :13/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : VORTEX GENERATOR BASED EARTH AIR HEAT EXCHANGER

		(71)Name of Applicant :
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		Address of Applicant :45 C PAREPARAMPIL(H), MUTTAR, ALAPPUZHA, KERALA, INDIA-689574 Kerala India
		2)NIDHEESH.P
		3)RAHUL.A.K
		4)KAILASNATH.H
		5)LEO BINOY
		6)TONY SHAJI
		7)DELPHY JOSEPH
		(72)Name of Inventor :
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		2)NIDHEESH.P
		3)RAHUL.A.K
		4)KAILASNATH.H
		5)LEO BINOY
		6)TONY SHAJI
		7)DELPHY JOSEPH
(51) International classification	:H01L23/00	
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

7. ABSTRACT Earth Air Heat Exchanger (EAHE) is a geothermal renewable energy based air conditioning device which use earth as a heat sink to transfer heat to or from air (can be used for both summer cooling and winter heating). Vortex generators can augment heat transfer rate in any heat exchangers. Here in an Earth Air Heat Exchanger, for the first time, curved delta wing vortex generators were used to improve EAHEs thermal performance. Although there was a small pressure drop, vortex generator could

No. of Pages : 2 No. of Claims : 1

(54) Title of the invention : EVALUATION OF ANTI LEUKEMIC ACTIVITY OF ALLIUM SATIVUM AND VITIS VINIFERA FOR SYNERGISTIC ACTION ON

(51) International classification	:A61K31/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MAKKA SAI KUMAR
(32) Priority Date	:NA	Address of Applicant :9-131, CHALAPATHI INSTITUTE OF
(33) Name of priority country	:NA	PHARMACEUTICAL SCIENCES, CHALAPATHI NAGAR,
(86) International Application No	:NA	LAM, GUNTUR, ANDHRA PRADESH - 522 034. Andhra
Filing Date	:NA	Pradesh India
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)MAKKA SAI KUMAR
Filing Date	:NA	2)RAMA RAO NADENDLA
(62) Divisional to Application Number	:NA	3)VAMARAVILLI CHINNA RAO
Filing Date	:NA	4)MAKKA SYAMALA RAO

(57) Abstract :

Acute leukemia is a cancer of the blood cells that characteristically comes on suddenly and, if not treated, progresses quickly. In acute leukemia, the leukemic cells does not mature properly. The aim of this present study is evaluation of anti leukemic activity of Allium sativum and Vitis vinifera for synergistic action on benzene induced acute leukemia on male sprague-dawley (SD) rats. The commercial garlic bulbs (Allium sativum) and grape fruits (Vitis vinifera) are collected and extracted separately with n-hexane and distilled water. The both extracts of garlic and grapes was studied for acute oral toxicity as per revised organization for economic cooperation and development guide lines number 423. Leukemia was successfully induced in SD rats by intravenous injection of benzene. The base line & post analytical blood samples was collected and analyzed for hematological parameters. Outcomes of hematological parameters in various experimental groups of murine model demonstrated antileukemic effect of both plant extracts. The combination of these two plant extracts shows better efficacy then individual extracts but not more than or equal to standard drug that is 5- fluorouracil (15 mg/kg). The both extracts of garlic and grapes are ability to promote the phagocytosis of leukemic blast cells and then reduce the acute leukemia growth. It demonstrated antileukemic potential that might be due to the presence of alkaloids, glycosides, tannins, Polyphenolics, flavonoids.

No. of Pages : 17 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941019740 A

(19) INDIA

(22) Date of filing of Application :20/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : FABRICATION OF WASTAGE AND TRASH COLLECTOR IN RAILWAY TRACK

(51) International classification	:B65F3/04	(71)Name of Applicant :
(31) Priority Document No	:NA	1)S.SENTHIL MURUGAN
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF MECHANICAL
(33) Name of priority country	:NA	ENGINEERING, MEPCO SCHLENK ENGINEERING
(86) International Application No	:NA	COLLEGE SIVAKASI-626 005. Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)S.SENTHIL MURUGAN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Abstract Manual cleaning of wastages and collection of trashes including garbage along the railway track is a disgusting job and moreover, it is dangerous work too. It also causes pollution and health issue to a human being. To facilitate and ensure the safety of workers who involved in railway track cleaning, a low cost automatic innovative concept to clean is needed. A new kind of invention is fabricated to solve the above-said problems.

No. of Pages : 12 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941019744 A

(19) INDIA

(22) Date of filing of Application :20/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : FABRICATION OF DENTAL IMPLANT USING MODERN MANUFACTURING TECHNIQUE

(51) International classification	:A61C13/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)P.BALAMURUGAN
(32) Priority Date	:NA	Address of Applicant :DEPT OF MECHANICAL ENGG.,
(33) Name of priority country	:NA	PROF. MEPCO SCHLENK ENGG COLLEGE, SIVAKASI - 626
(86) International Application No	:NA	005. Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)P.BALAMURUGAN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

ABSTRACT Dental implants are one of the various types in prosthodontic surgery. Moreover, dental implant has mainly three parts namely implant body, Abutment, and crown. Patient analysis is made by using CBCT (Cone Beam Computed Tomography). Finally, the implant is fixed into patients tooth and healing phase goes upto 3-6 months depending upon the patient. Further problems are being associated in those implants based on three criteria i.e., positioning, customization and coating. And patient specific implants are not available in the market so that bone grafting becomes another surgical procedure that will delay the treatment period. Improper coating leads to various complications which leads to invasion of pathogenic organisms that result in screw fracture, crown fracture, swelling and bleeding. A patient specific implant with additional coating techniques so as to enhance the productivity of implants in future.

No. of Pages : 8 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941019745 A

(19) INDIA

(22) Date of filing of Application :20/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : PYRAMIDAL LATTICE CORE SANDWICH ENGINE HOOD FOR PEDESTRIAN SAFETY

(51) International classification	:B32B3/10	(71)Name of Applicant :
(31) Priority Document No	:NA	1)J.ANISH JAFRIN THILAK
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF MECHANICAL
(33) Name of priority country	:NA	ENGINEERING, MEPCO SCHLENK ENGINEERING
(86) International Application No	:NA	COLLEGE SIVAKASI-626 005. Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)J.ANISH JAFRIN THILAK
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Abstract: Road accidents are increasing now-a-days, Safety of pedestrian is the great. concern. In average, 10%of urban pedestrian accidents are fatal. Statistics show that the impact on front side of cars is the major cause of pedestrian deaths (83,5%), The function of a vehicles engine hood is to keep its engine covered and allow access to the engine compartment as required for maintenance and repair. The hood structure not only protects the engine cavity, but also keeps pedestrians away from the parts of that cavity. The absorption capability and stiffness of hood structures are the key points considered when designing a vehicles hood.The impact of the pedestrian head on automotive hood results in major injuries and sometimes in death. Conventional engine hood results in greater HIC values. GFRP pyramidal lattice core structures are used in automobiles which is used for good energy absorption. Glass fiber reinforced polymer are used for light weight, high strength. This will also improve fuel efficiency of the vehicles. i0m GFRP pyramidal lattice core sandwich engine hood absorbs impact energy rather than transmitting it to ■ <D (Q . the head. This will minimize the severity rate of injury of pedestrian during accident. This invention Q_ . 0) mainly focus on reducing pedestrian accidents.

No. of Pages : 8 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941019747 A

(19) INDIA

(22) Date of filing of Application :20/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : DESIGN AND FABRICATION OF COMBINATION DIE FOR BELLEVILLE WASHER

(51) International classification	:F16F1/36	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Dr.R.Maheswaran,M.E.,Ph.D.
(32) Priority Date	:NA	Address of Applicant :SENIOR PROFESSOR,
(33) Name of priority country	:NA	DEPARTMENT OF MECHANICAL ENGINEERING, MEPCO
(86) International Application No	:NA	SCHLENK ENGINEERING COLLEGE, SIVAKASI - 626 005.
Filing Date	:NA	Tamil Nadu India
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)Dr.R.Maheswaran,M.E.,Ph.D.
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Abstract In this project we are going to manufacture the die set for making Belleville washer. The project deals with the manufacturing process and methodology of the die making process. We have done the project for making Belleville washer of diameter 30mm by using combination die. Washer are primarily used as a seat to distribute load, but they may also provide spring tension. The Belleville washer is a common accessory used in many industrial application. When Combination die is fitted on the OBI (Open Back Inclined) press. Then the sheet is fed in to the press and then blanking operation is done followed by forming and piercing operation in a single station. It replaces the conventional progressive die method that takes more time and energy. So it reduces the cost of manufacturing. ENT OFFXCE CHENNAI 2195/2919 12 19 Page 17

No. of Pages : 8 No. of Claims : 2

(54) Title of the invention : EFFECT OF NATURAL ANTIOXIDANTS ON OXIDATION STABILITY OF BIODIESEL IN A DIESEL ENGINE

(51) International classification	:C10L1/02	(71)Name of Applicant :
(31) Priority Document No	:NA	1)J.NAGARAJAN
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF MECHANICAL
(33) Name of priority country	:NA	ENGINEERING, MEPCO SCHLENK ENGINEERING
(86) International Application No	:NA	COLLEGE SIVAKASI-626 005. Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)J.NAGARAJAN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Abstract Purity of air is most important from the public health point of view, because every individual person breathes approximately 22000 times per day, inhaling about 15 to 22 Kg of air daily. Polluted air causes physical ill effect decides undesirable aesthetic and physiological effects. Air pollution can be defined as addition to our atmosphere of any material, which will_ have a deleterious effect on life upon our planet. The main pollutants contributed by automobiles are Carbon monoxide (CO), Unburned Hydrocarbon (UBHC), Oxides of Nitrogen (NOx) & particulate matter. Also, there is a problem of less oxidation stability of diesel fuel. Hence our project is an attempt in this direction. AN ADDITION OF NATURAL ANTIOXIANTS IN BIODIESEL provides an adverse effect in increasing the oxidation stability of diesel fuel and also plays a major role in reducing the pollution. The Natural Antioxidants are selected based on the OXYGEN RADICAL ABSORBANCE CAPACITY (ORAC) value. This Antioxidants is powdered in Nano form and the antioxidant extract is extracted from the respective antioxidant powders. This extract is added to the extracted biodiesel from jack seed oil in small ratio. The Biodiesel itself is enough to reduce pollution but the biodiesel increases the NOx emission in a diesel engine. In order to suppress NOx content and also to suppress other emission and increase the oxidation stability, the Natural antioxidants are added to the biodiesel. Thus, it has been found that the emission from a single cylinder 4 stroke diesel engine has been drastically decreased after the addition of various biodiesel blends with antioxidant extracts. This is an efficient and cost effective, method for reducing the rate of emissions from the automobiles. OFFICE CHENNAI 2 1/05/2019 1451 Page | 10

No. of Pages : 11 No. of Claims : 5

(54) Title of the invention : EFFECT OF FIBER VOLUME, ORIENTATION AND DIMENSION ON THE BEHAVIOUR OF NATURAL FIBER REINFORCED

(51) International classification	:C04B40/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Mr.B.Venkatraman
(32) Priority Date	:NA	Address of Applicant :ASSISTANT PROFESSOR,
(33) Name of priority country	:NA	DEPARTMENT OF MECHANICAL ENGINEERING, MEPCO
(86) International Application No	:NA	SCHLENK ENGINEERING COLLEGE, SIVAKAS - 626 005.
Filing Date	:NA	Mr.B.Venkatraman Tamil Nadu India
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)Mr.B.Venkatraman
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

ABSTRACT Natural Fibres such as Banana & Jute and Corn cob have been used for centuries, however only recently it is considered for fibre-resin Composites. A major motivation of this purpose trail their way back to two important global issues such as de-forestation and pollution due to burning of Corn cob. Current experimental study deals with the replacement of plastic lead-acid battery cases. It can also be used for some non-loading wooden infrastructures along with non-loading commercial purposes. Corn cob being a major agricultural waste is not disposed in a proper manner. This corn cob which has certain specific mechanical properties is pulverized and used as a reinforcement in our natural fibre composite in the ratio of Fibre (Jute, Banana.. Corn cob powder) and Cashew Nut Shell Liquid resin at 40-60%. It has been experimentally found out that the incorporation of Corn cob powder significantly improves various mechanical properties of our composite. On considering impact strength, it is better than plastics. Its water absorption characteristics is nominal since the composite material has low moisture absorption rate than wood but significantly higher value than plastics. Horizontal flammability rate of composite materials, plastics and wood are experimentally studied and it is observed that the composite material has approximately the same results as that of plastics. Shore D Hardness test shows that the hardness value of the composite materials are in the range of 83 to 88. SEM Test is taken in order to observe the distribution of corn cob powder after impact test and also the amount of water penetrated or present in the composite material after the 10 days water absorption test. Considering the cost, our composite material is economical than plastic in terms of mass production. Keywords: Natural fibres composite, lead acid battery cases, Corn cob powder reinforcement

No. of Pages : 11 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941019751 A

(19) INDIA

(22) Date of filing of Application :20/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : MICROSTRUCTURAL AND MECHANICAL PROPERTIES EVALUATION OF AA 7068 REINFORCED WITH GRAPHENE AND TIC

(51) International classification	:B29C45/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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Address of Applicant :DEPARTMENT OF MECHANICAL
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COLLEGE SIVAKASI-626 005. Tamil Nadu India
(72)**Name of Inventor :**
1)N.NAGANAMBI

(57) Abstract :

Abstract As the hybrid metal matrix composites provides excellent mechanical and tribological properties, aerospace and automotive industries are eager on introducing their components on hybrid metal matrix composite leading to reduction in weight of the component. Present work deals with the fabrication of A17068 as a base metal reinforced with different weight percentage of Titanium Carbide with fixed weight percentage of Graphene by stir casting method. This composition is used in manufacturing the connecting rod.

No. of Pages : 6 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941019752 A

(19) INDIA

(22) Date of filing of Application :20/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : DUAL EVAPORATOR DOMESTIC REFRIGERATOR WITH HEAT RECOVERY

(51) International classification	:F25B29/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)C.Uthranarayan
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF MECHANICAL
(33) Name of priority country	:NA	ENGINEERING, MEPCO SCHLENK ENGINEERING
(86) International Application No	:NA	COLLEGE, SIVAKASI - 626 005. Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)C.Uthranarayan
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Abstract . Dual evaporator parallel circuit for domestic refrigeration is considered to be energy efficient when compared with dual evaporator serial circuit, since power consumption in parallel circuit is less when compared to series circuit. Parallel circuit refrigeration systems have two evaporator coils and one compressor. The two evaporator compartments are FFC (Fresh Food Compartment) and FZC (Freezer Compartment). A switching circuit is used to switch the compressor between the two evaporators depending on the heat load placed in them. Parallel circuit refrigeration systems are cheaper to build and are reliable as only a single compressor is used. However, when a lot of food is placed in FFC or FZC the time required to bring the temperature down increases and so the food kept in the other compartment might get spoiled. Various switching strategies were studied, and a combination of time and temperature control was used. A lot of waste heat is generated in the condenser which can be recovered to keep dishes hot in a separate chamber. Change in COP (Co-efficient of Performance) is computed with and without the heat recovery system.

No. of Pages : 8 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941019755 A

(19) INDIA

(22) Date of filing of Application :20/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : EXPERIMENTAL TEST SECTION FOR ROTATING LABYRINTH SEALS

(51) International classification	:G01D21/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Dr.S.P.ASOK
(32) Priority Date	:NA	Address of Applicant :MEPCO SCHLENK ENGG
(33) Name of priority country	:NA	COLLEGE, SIVAKASI - 626 005. Tamil Nadu India
(86) International Application No	:NA	2)Shri.V.SETHU MANAVALAN
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)Dr.S.P.ASOK
(61) Patent of Addition to Application Number	:NA	2)Shri.V.SETHU MANAVALAN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

ABSTRACT Labyrinth seals are used to minimize the leakage of air between rotating shaft and stationary sleeve by providing a tortuous air flow path in the annular space. The sealing effect is achieved by repeated throttling of the leakage air in each teeth cavity of the labyrinth seal. A considerable drop in the leakage mass flow rate can be achieved by modifying the clearance in the annular gap, shape and geometry of the cavities in the seal. A rotating labyrinth seal test section can determine the leakage characteristics of the labyrinth seals with various shapes and geometry of the seal cavities. In the invented test section, test wheel and balancing wheel are mounted on the shaft which is the main component of the experimental test rig. The labyrinth seals with two different diameters, 230 mm and 244 mm can be mounted on the test wheel and balancing wheel respectively and tested up to a maximum speed of 12,000 rpm by coupling the test section to motor with the help of key way. The support is provided by bearings to the middle housing which in turn supports the stator on test seal side and balancing housing on the balancing seal side through bolted joints. Oil chamber is provided in the middle of the setup between the test seal side and balancing seal side for lubrication of bearings. The design eliminates the material wastage involved in the fabrication of entire test wheel and balancing wheel as the test and balancing seals alone can be fabricated for each newly designed profile and screwed to the test and balancing wheels.

No. of Pages : 15 No. of Claims : 5

(54) Title of the invention : MINIATURE MILLING MACHINE ROBOTICALLY OPERATED BY INFRARED SYSTEMS

(51) International classification	:B23K26/02	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Dr.K. RAJA
(32) Priority Date	:NA	Address of Applicant :8/101, PALMADAI O.
(33) Name of priority country	:NA	RAJAPALAYAM, TIRUCHENGODU-637304, TAMILNADU,
(86) International Application No	:NA	INDIA. Tamil Nadu India
Filing Date	:NA	2)Dr. K. CHANDRASEKARAN
(87) International Publication No	: NA	3)Dr. TTM. KANNAN
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Dr.K. RAJA
(62) Divisional to Application Number	:NA	2)Dr. K. CHANDRASEKARAN
Filing Date	:NA	3)Dr. TTM. KANNAN

(57) Abstract :

Advancement of a miniature manufacturing system as the previously mentioned miniaturized plant is becoming a trend in the exactness producing region. Miniaturization of machine tool is to measure good to the objective items without trading off the machining resiliences lead to enormous saving in energy, space and assets. Miniature of milling machine can likewise be utilized for cutting keyways, racks and spaces. It is characterized by mechanical connection of a sharp tool with the work piece material, causing breakage inside the material along characterized ways, and eventually leading to removal of the useless part of the work piece as chips. Miniature milling are favored some expert zone, for example, smaller scale measurement frameworks, dental sections, etching of watch base plates, Miniature gadgets for rockets, and so forth. The experts have been made manual worked miniature milling machine with high negligible exertion anyway low precision and exhaust high electrical power. Presently days computer numerical controlled (CNC) miniature milling machines are used to make part with high exactness and mind-boggling expense. This work is mainly focused on robotically operated the miniature milling machine using infrared systems for low cost and high accuracy. The fabricated miniature milling utilizing remote control works adequately without bartering machining protections. Mechanization of scaled down processing innovation can satisfy huge numbers of those needs of miniaturised components in fields that incorporate aviation, car, biomedical, hardware, data innovation, optics, media transmission businesses, gems, watch-production, and so forth. In any case, it is normal that miniature milling parts and applications will experience an exponential development in the next years.

No. of Pages : 7 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941019099 A

(19) INDIA

(22) Date of filing of Application :14/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : DEVELOPMENT OF LIGHT WEIGHT WATER TANK BY SELF COMPACTING CONCRETE

(51) International classification	:E04C2/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1) Dr. K.G.SELVAN
(32) Priority Date	:NA	Address of Applicant :PROFESSOR DEPT. OF
(33) Name of priority country	:NA	MANAGEMENT & COMMERCE, PRIST DEEMED TO BE
(86) International Application No	:NA	UNIVERSITY, VALLAM, THANJAVUR, TAMILNADU,
Filing Date	:NA	INDIA, 613 403 Tamil Nadu India
(87) International Publication No	: NA	2)B. VIDYA SEKAR
(61) Patent of Addition to Application Number	:NA	3)Dr. A. BAKRUDEEN ALI AHMED
Filing Date	:NA	4)Dr. T.T.M. KANNAN
(62) Divisional to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1) Dr. K.G.SELVAN
		2)B. VIDYA SEKAR
		3)Dr. A. BAKRUDEEN ALI AHMED
		4)Dr. T.T.M. KANNAN

(57) Abstract :

Self-compacting concrete is a streaming solid blend that can combine under its very own weight. Oneself compacting solid stream effectively at appropriate speed into formwork without obstructing through the support without being vigorously vibrated. The infrastructural adventures are tremendous, astounding and generous these days and requires complex formwork and backing indicating which demands dealing with the field objectives, with better solidifying conditions and the strong which can without a doubt stream around the fortress and into all corners and convergences of formwork with no mechanical compaction. Graphene is a built nano material which has some astonishing properties like gigantic explicit surface region , high inherent quality and firm Youngs module. In this work, Light weight water tank is developed with Self compacting solid utilizing graphene to give stockpiling of water to utilization of drinking water, agribusiness cultivating and water system.

No. of Pages : 7 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941019140 A

(19) INDIA

(22) Date of filing of Application :14/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : COMPUTERIZED DEBATABLE REMOVAL OF ENCRYPTION KEYS USING AGGRESSIVE ANALYSIS

(51) International classification	:G06F21/10	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Dr. N.VADIVELAN
(32) Priority Date	:NA	Address of Applicant :TEEGALA KRISHNA REDDY
(33) Name of priority country	:NA	ENGINEERING COLLEGE, HYDERABAD - 500 097.
(86) International Application No	:NA	Telangana India
Filing Date	:NA	2)P. ASHWINI
(87) International Publication No	: NA	3)Dr. S. SUSI
(61) Patent of Addition to Application Number	:NA	4)ROJA RAMANI ADAPA
Filing Date	:NA	5)Dr. M. NALINI
(62) Divisional to Application Number	:NA	6)Mrs. UMA PRIYADHARSHINI P.S
Filing Date	:NA	(72)Name of Inventor :
		1)Dr. N.VADIVELAN
		2)P. ASHWINI
		3)Dr. S. SUSI
		4)ROJA RAMANI ADAPA
		5)Dr. M. NALINI
		6)Mrs. UMA PRIYADHARSHINI P.S

(57) Abstract :

We explain a method for automatic algorithm recognition and in order extraction from unidentified binaries. We follow the binary using PyEmu forcing complete code coverage whilst simultaneously examining its performance. Our behavior matcher then identifies definite algorithmic behavior and extracts information. We make obvious the use of this procedure for automated extraction of encryption keys from an unseen program with no prior knowledge about its implementation. Our technique can also be used for automatic labeling and submission of function purpose to analysts.

No. of Pages : 8 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941019756 A

(19) INDIA

(22) Date of filing of Application :20/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : MACHINE FOR FLOOR CLEANING

(51) International classification	:A47L11/40
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)Dr.N.BOSE
Address of Applicant :SENIOR PERFENCE MEPCO
SCHLENK ENGINEERING COLLEGE SIVAKASI,
VIRUDHUNAGAR DIST-626 005. Tamil Nadu India
(72)**Name of Inventor :**
1)Dr.N.BOSE

(57) Abstract :

■Abstract ,: -,-■■■-... ■... ■.■■■!..■ ■■;.._ Cleaning has been a very necessary and unavoidable daily routine. It becomes even more important when we have to perform it in areas which are not so easy in reach, Ex. Very large hatl .In such conventional cleaning it is very difficult to clean the entire areawith the same effort so to overcome this problem we are using floor cleaning machine It provides a effective .; cleaning.on the floor and time consuming and it is very easy to operate and less cost

No. of Pages : 10 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941019760 A

(19) INDIA

(22) Date of filing of Application :20/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : ACTUATION OF QUADRUPEL ROBOT BY SHAPE MEMORY ALLOY HELICAL SPRING

(51) International classification	:B62D57/02	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Dr.A.VASANTHANATHAN
(32) Priority Date	:NA	Address of Applicant :ASSOCIATE PROF/MECH MEPCO
(33) Name of priority country	:NA	SCHLENK ENGG COLLEGE, SIVAKASI, VIRUDHUNAGAR
(86) International Application No	:NA	DIST - 626 005. Tamil Nadu India
Filing Date	:NA	2)Dr.P.NAGARAJ
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)Dr.A.VASANTHANATHAN
Filing Date	:NA	2)Dr.P.NAGARAJ
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A quadruped robot was developed actuated using Shape Memory Alloy (SMA) helical springs. .. The robot uses four legs, with each leg uses SMA springs for achieving locomotion. The locomotion is achieved by using SMA springs which exhibits Shape Memory Effect (SME) to bring the spring to their original, shape and thereby move the links which are connected to the . springs. The SMA used for this purpose is Nitinol® with has a composition of 55% of Nickel . and 45% of Titanium. The actuation of the links using Nitinol® springs is performed only in one leg due to its symmetric nature. Analytical modelling of the SMA springs has been performed to determine the current required to actuate the SMA spring. Finite Element Modelling was carried out using a small portion of the spring to exhibit the SME. Then, the model of the leg was designed and the SME was applied on the attached spring to show the actuation of the leg. By performing the Finite Element Analysis, it showed that as the material. reaches the phase transformation of 45°C, the spring returns to its original shape. The effect . was experimentally verified by supplying the-calculated current to attain the desired-V: temperature. The SMA springs used for the actuation of the quadruped robot can find potential application as an.emergency means of actuation to compliment locomotion using traditional motors and actuators.

No. of Pages : 9 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941019762 A

(19) INDIA

(22) Date of filing of Application :20/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : INVESTIGATION OF VIBRATION ISOLATOR BASED ON MAGNETORHEOLOGICAL ELASTOMER

(51) International classification

:E01B19/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

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SIVAKASI - 626 005. Tamil Nadu India

(72)Name of Inventor :

1)J.THANIKACHALAM

(57) Abstract :

Investigation of vibration isolator based on Magnetorheological elastomer. Currently springs are used in various places as vibration isolators/absorbers. Magnetorheological Elastomers are a combination of Silicone Rubber, Silicone Oil and Carbonyl Iron Particles. Silicone oil is used to reduce the viscosity of Silicone Rubber and it has anti-foaming property. Micron sized Carbonyl iron particles are suspended in the Silicone rubber. Carbonyl Iron Particles responds to magnetic field. The objective of this project is to replace springs with tuneable magnetorheological elastomers which eliminates time consumption and helps in easy tuning of frequency according to the intensity of vibration by using electromagnets. And an electromagnet setup is fabricated to produce the desired amount of magnetic field. It is also analysed using FEMM software. Isotropic and Anisotropic models were fabricated under various compositions of Silicone rubber, Silicone Oil & Iron Particles. Since the iron particles are sensitive to magnetic field, the iron particles gets saturated when brought near the larger fields. The fabricated Elastomer is tested using a test setup and the Viscoelastic property of the fabricated elastomer found using Dynamic Mechanical Analyzer (DMA Q600).

No. of Pages : 5 No. of Claims : 3

(54) Title of the invention : TRACKING OF ACOUSTIC SOURCE LOCALIZATION USING NAVIGATION ROBOT

(51) International classification

:G05D1/02

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

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(71)Name of Applicant :

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Andhra Pradesh India

2)Dr. SAI VENU PRATHAP KATARI**3)T. PRAHLAD REDDY****4)Y.L. AJAY KUMAR****5)BRAHMDESAM. T MADAV**

(72)Name of Inventor :

1) Ms.S. NANDA KISHOR**2)Dr. SAI VENU PRATHAP KATARI****3)T. PRAHLAD REDDY****4)Y.L. AJAY KUMAR****5)BRAHMDESAM. T MADAV**

(57) Abstract :

The proposed work focused not only to locate a person, who is talking, but also could find them when they are in need, also be implemented in wild life photography, to locate the animals. In this technique ,three microphones have been employed in the form of equilateral triangular pattern ,in which all these microphones detects the same sound .Using this information and trigonometric formula, the direction of sound has been calculated .The main objective of this project is calculate how precisely the position of sound source can be calculated using the technique mentioned above, while varying the distance and angle of the source .In order to explore the capabilities of TDOA and test the obtainable accuracy, a demonstrator was built. On a complete car chassis, three microphones were mounted and used to determine the direction towards the sound source. Thereafter, the robot rotated towards the sound source with an accelerator, keeping track of how much it had rotated. After this movement a comparison was made between the robots direction and the actual direction of the sound source. Finally an ultrasonic sensor was placed on the robot for obstacle detection whilst tracking the sound. The vehicle travelled straight forward until the ultrasonic sensor deemed . that an object was too close. The results show that an increased distance yields a more accurate sound localization and that there are some angles in which the sound localization functioned better.

No. of Pages : 10 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941019143 A

(19) INDIA

(22) Date of filing of Application :14/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : CLOGGING CONTROL AND PREVENTION IN ROUTING IN WSN

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(51) International classification	:G06Q50/00	India
(31) Priority Document No	:NA	2)Dr. D. REGAN
(32) Priority Date	:NA	3)Dr. A. SENTHIL KUMAR
(33) Name of priority country	:NA	4)Dr. V.M.S.N. PAVAN KUMAR CH
(86) International Application No	:NA	5)Dr. G. ARUL ELANGO
Filing Date	:NA	6)Dr.K. RAM KUMAR
(87) International Publication No	: NA	7)Mrs. V. KAVITHA
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
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(62) Divisional to Application Number	:NA	2)Dr. D. REGAN
Filing Date	:NA	3)Dr. A. SENTHIL KUMAR
		4)Dr. V.M.S.N. PAVAN KUMAR CH
		5)Dr. G. ARUL ELANGO
		6)Dr.K. RAM KUMAR
		7)Mrs. V. KAVITHA

(57) Abstract :

In case of natural calamities, different monitoring services are employed in WSN using IoT. For instance, earthquakes and volcano eruptions can be monitored and sensed by WSN. Effectiveness and robustness are to be tested to evaluate the Quality of Service (QoS) for the applications that contains WSN. However, Serious Qos issues can occur in IoT due to inadequate resources of WSN. Expected QoS can be reduced due to network congestion in WSN. Hence efficient use of the given resources is required. Dropping the amount of packet again transmission reduces the energy utilization of the snode, caused due to network clogging. A distinct packet removing method is proposed in this invention, known as Packet Dumping based Node Clustering (PDNC). Many nodes are clustered into groups, out of which one is chosed as the cluster head. The number of packets are reduced at each node by discarding the packets which leads to clogging. NS-2 or Java is used to model this system which shows that lesser congestion is obtained with the systems overall performance.

No. of Pages : 7 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941019144 A

(19) INDIA

(22) Date of filing of Application :14/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : AN ENERGY-EFFICIENT INCENTIVES RESOURCE ALLOCATION SCHEME FOR A COOPERATIVE COMMUNICATION SYSTEM

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(51) International classification	:G06Q30/06	ENGINEERING AND TECHNOLOGY, ECE DEPARTMENT,
(31) Priority Document No	:NA	HYDERABAD - 501 510, T.S., INDIA. Telangana India
(32) Priority Date	:NA	2)Dr. P. SUBRAMANAIAN, (PROFESSOR)
(33) Name of priority country	:NA	3)Dr. N. DHASARATHAN (PROFESSOR)
(86) International Application No	:NA	4)Dr. SUBASH NEELAKANDAPILLAI (PROFESSOR)
Filing Date	:NA	5)Dr. R.REKA (PROFESSOR & HEAD
(87) International Publication No	: NA	6)Dr. M. SUCHARITHA (PROFESSOR)
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
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(62) Divisional to Application Number	:NA	PROFESSOR)
Filing Date	:NA	2)Dr. P. SUBRAMANAIAN, (PROFESSOR)
		3)Dr. N. DHASARATHAN (PROFESSOR)
		4)Dr. SUBASH NEELAKANDAPILLAI (PROFESSOR)
		5)Dr. R.REKA (PROFESSOR & HEAD
		6)Dr. M. SUCHARITHA (PROFESSOR)

(57) Abstract :

In Today's world, wireless communication techniques leverage un-attempted milestones. Energy crisis need to be addressed in wireless communication, while the green communication and networks (GCN) provide energy efficient network architecture. Appropriate resource allocation could enhance the energy efficiency in the cooperative communication system. Here the entire network is considered as a subcarrier. The subcarrier based resource allocation used to maximize the energy efficiency. The user and sub-carrier are defined as network node in the designed two level neural network models. By using the improved intelligent water drops algorithm combined with Genetic algorithm improves the efficient resource allocation scheme and enhances QoS performance. Based on the nature-inspired algorithm, the optimal path is chosen for transmission which significantly reduces energy consumption.

No. of Pages : 10 No. of Claims : 5

(54) Title of the invention : MOBILE APPLICATION TO HELP THE TRIBAL PARENTS TO LOCATE THE TRIBAL SCHOOLS AND HOSTELS

(51) International classification	:D03D 47/24	(71)Name of Applicant : 1)Dr.K.Vijayalakshmi Address of Applicant :Department Of Computer Science and Engineering Ramco Institute of Technology North Venganallur Village,Rajapalayam Tamil Nadu India-626117. Tamil Nadu India
(31) Priority Document No	:NA	2)Mr.R.Venkatesh
(32) Priority Date	:NA	3)Ms.V.Archuna
(33) Name of priority country	:NA	4)Ms.R.Asmitha
(86) International Application No	:NA	5)Ms.G.Divya
Filing Date	:NA	6)Ms.G.Sakthi Priya
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)Dr.K.Vijayalakshmi
Filing Date	:NA	2)Mr.R.Venkatesh
(62) Divisional to Application Number	:NA	3)Ms.V.Archuna
Filing Date	:NA	4)Ms.R.Asmitha
		5)Ms.G.Divya
		6)Ms.G.Sakthi Priya

(57) Abstract :

A tribe is a group of distinct people, dependent on their land of their livelihood who are largely self-sufficient, and are not integrated into the national society. There is a need to provide the education among the large group of Tribal. The central government has provided many schemes exclusively for education of tribal people. One of such schemes is Eklavya Model Residential School (EMRS) and the problem is that the tribal people are unaware about those schemes. In order to provide complete awareness about the EMRS, managed by the central government of India, an application has been created along with the details of schools with their locations. The application is to help the tribal parents to locate the tribal schools, hostels and information about the admission procedure, eligibility criteria, available vacant seats, distance between the current location and the EMRS school location and so on based on their location using GPS. In order to increase the literacy rate of our country the application has options for the tribal students to register to a desired tribal school and get enrolled in it. The registration process requires the details of students like name of the student, Residential address, contact number and mail-id for further communication. The vacancy details which are stored in cloud database gets reduced once the student enrolled in particular school which helps the user to view the updated vacant seats available for the corresponding schools. A user is allowed to register to a particular school only once to ensure the availability. This solution empowers the tribal parents to take better decisions to enroll their ward in schools which are comfortable for them.

No. of Pages : 6 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941010847 A

(19) INDIA

(22) Date of filing of Application :20/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : ENERGY SAVING ADAPTABLE VESSEL HOLDER FOR GAS STOVE

(51) International classification	:F24C3/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)D. DEENADHAYALAN
(32) Priority Date	:NA	Address of Applicant :NO: 153, KAMARAJ COLONY, T.
(33) Name of priority country	:NA	NAGAR, CHENNAI-600017, STATE OF TAMILNADU,
(86) International Application No	:NA	INDIA. Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)D. DEENADHAYALAN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to an adaptable holder (2) for gas stove or cooking units to accommodate different sized vessels and exactly keep the centre portion of the vessel with the burner region to save energy. The adaptable holder (2) mainly includes a holding means (6) which can be moved horizontally and pivotably on a static guide member (3) to provide n number of boundary regions to accommodate different sized vessels/utensils (Refer figure 6 and 7).

No. of Pages : 16 No. of Claims : 4

(54) Title of the invention : BIO-CONCRETE

(51) International classification :C04B38/00
 (31) Priority Document No :NA
 (32) Priority Date :NA
 (33) Name of priority country :NA
 (86) International Application No :NA
 Filing Date :NA
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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2)DR.R.LAVANYA
 (72)Name of Inventor :
1)DR.V.KARTHIKEYAN
2)DR.R.LAVANYA

(57) Abstract :

Concrete is an important and extensively used building material for construction works. It is mainly used in heavy constructions because of its strength and durability. No matter how carefully the concrete is mixed or reinforced, it eventually ends up in cracking at some point. There are many factors that affect the durability and strength of concrete, one of the most common hindrances is crack formation. Large cracks may affect the structural integrity, while small cracks reduce the durability of the structure. Cracks also increase the permeability of matrix thereby increasing the chances of corrosion in reinforcement. Therefore, the sole cause of structural failure is cracking. In order to reduce the chances of crack formation, a structure requires regular maintenance which can be costly and may further increase the maintenance cost of the structure. One way to reduce such costs and to increase the durability of structure is to use a Concrete that has self-healing mechanism. This technique is based on bio mineralization of bacteria in concrete, a biological process commonly seen in few forms of microorganisms. The strength and durability can be increased by using these microorganisms as binders and fillers in concrete. Epoxy treatment is currently used for the repair works which is harmful to the environment and health as toxic fumes and gases evolved may cause serious skin and breathing issues. Hence the use of biological techniques should be focused. The use of biological techniques in concrete leads to the invention of a new building material i.e. self-healing concrete. The Self-healing Concrete is one that senses its crack formation and reacts to cure itself without human intervention. ■- - the surface of concrete structures. Specially selected types of the bacteria *Bacillus subtilis*, is added to the ingredients of the concrete when it is being mixed. These self-healing agents can lie dormant within the concrete for up to 200 years. The physical properties of ingredients of concrete shall be arrived by conducting laboratory tests. The ordinary concrete and design mix concrete shall be prepared by using IS 456-2000, IS 10262-2009 and relevant codes. This investigation is made in Bacterial concrete with non-pathogenic, spore forming, calcite mineral precipitating Bacterium *Bacillus subtilis*. M25 grade concrete is prepared with different bacterial cell concentrations to achieve the self-healing property of concrete. The cast specimens will be tested for compressive strength, split tensile strength and flexural strength. It is observed that, adding 2ml bacteria solution gives greatest improvement for all ages of concrete. They showed increase in compressive strength and flexural strength of the concrete compared to the conventional concrete. The more CaCO_3 precipitations, the better the self-healing effect will be. The concentrations of bacteria and Ca^{2+} will be greater than the amount of precipitated CaCO_3 . Polyethylene fiber can increase the mechanical properties of the concrete. This process results in the precipitation of substantially higher amounts of calcium carbonate inside the crack to be healed. The reason for this can be explained by the chemical processes in the control and additional biological processes in the Self-healing Bio- concrete.

No. of Pages : 9 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941020007 A

(19) INDIA

(22) Date of filing of Application :21/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : CORRUGATED BOOSTER REFLECTOR SOLAR WATER HEATER WITH CENTRALLY FINNED TWISTED TAPE INSERT

(51) International classification	:F28D15/02	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Dr. A.SARAVANAN
(32) Priority Date	:NA	Address of Applicant :Professor, Department of Mechanical
(33) Name of priority country	:NA	Engineering, Aditya Engineering College, Surampalem, East
(86) International Application No	:NA	Godhavari(D.T), Andrapradesh-533437. Andhra Pradesh India
Filing Date	:NA	2)Dr. M.MURUGAN
(87) International Publication No	: NA	3)Dr. S.JAISANKAR
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Dr. A.SARAVANAN
(62) Divisional to Application Number	:NA	2)Dr. M.MURUGAN
Filing Date	:NA	3)Dr. S.JAISANKAR

(57) Abstract :

Performance enhancement of centrally finned twist (CFT) inserted solar collector using corrugated booster reflectors (CBR) have been approached experimentally. The experimental trials have been made with two different twist ratios ($Y = 3$ and 6) for typical twist (TT) and centrally finned twist (CFT) under same working conditions. The results were compared with the plain tube solar thermal collector (SC) with CBR and also with the plain tube SC with flat booster reflectors (FBR). The CBR has 1.6% higher effective reflector area than the FBR. Hence, the CBR augmented the Nusselt number around 8.25% over the FBR. When compared to the plain tube CBR SC, the CFT of minimum twist ratio ($Y = 3$) offered 11.08% higher thermal efficiency.

No. of Pages : 11 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941020012 A

(19) INDIA

(22) Date of filing of Application :21/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : W-SHAPED BAFFLE PLATE SOLAR AIR HEATER

(51) International classification	:F24D11/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Dr.A.SARAVANAN
(32) Priority Date	:NA	Address of Applicant :PROFESSOR, DEPARTMENT OF
(33) Name of priority country	:NA	MECHANICAL ENGINEERING, ADITYA ENGINEERING
(86) International Application No	:NA	COLLEGE EAST GODHAVARI (D.T), PIN - 533437. Tamil
Filing Date	:NA	Nadu India
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)Dr.A.SARAVANAN
Filing Date	:NA	2)Dr.MEDAPATI SREENIVASA REDDY
(62) Divisional to Application Number	:NA	3)Dr.VALLEM SRINIVASA RAO
Filing Date	:NA	4)Mr. MULE PREM KUMAR REDDY

(57) Abstract :

The heat transfer performance of the conventional flat plate collector is very less because of the laminar sub layer which will act as an insulating medium for the absorber plate. To overcome it, the absorber plate with W shaped baffles is used. It creates a turbulent flow to improve the thermal performance and hence enhancing the heat transfer process by 27% but the increase in friction factor results in the requirement of excessive power to make the fluid flow. The perforated W shaped baffles are used to reduce the friction factor.

No. of Pages : 13 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941020013 A

(19) INDIA

(22) Date of filing of Application :21/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : IMPROVING EFFICIENCY OF FUZZY MODELS FOR EFFORT ESTIMATION BY CASCADING FUZZY LOGIC CONTROLLERS

(51) International classification

:G06Q10/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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(72)Name of Inventor :

1)Dr.SRIPADA RAMA SREE

2)Mr.SRIPADA.N.S.V.S.C RAMESH

(57) Abstract :

The main challenge in software industry is the process of estimating the cost required for the development or maintenance of a project. Various models have been proposed for constructing a relationship between size of software and its development effort. Various algorithmic cost estimation models exists with their own pros and cons for estimation. Now a days, attention has turned towards Machine learning techniques as most of the problems associated with previous models are being addressed by the soft computing techniques. But, the,, need for accurate effort estimation in software project management is still a challenge. The previous work shows the usage of Fuzzy Logic Controller for Software Effort Estimation, but the computational time is very high as the ruiebase is large. The main aim is to reduce the ruiebase and improve the efficiency by cascading of Fuzzy Logic Control lers. A case study on NASA 93 dataset is taken for this purpose. The Proposed work is carried out by cascading theFuzzy Logic Controllers in a stage of two and six for Software Effort Estimation. By increasing the cascading of Fuzzy Logic Controllers, the efficiency has been improved with the minimized size in ruiebase. The I imitation to this process is to find out the correct number of cascaded Fuzzy Logic Controllers. Considering the rule minimization and the various criteria for assessment, Fuzzy Models developed using cascading of Fuzzy Logic Controllers provides better software development effort estimates.

No. of Pages : 8 No. of Claims : 2

(54) Title of the invention : A METHOD FOR MEASUREMENT OF ENVIRONMENTAL PARAMETERS USING IOT SENSOR FOR MEDICAL APPLICATIONS

(51) International classification :G01N17/02 (31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA (86) International Application No :NA Filing Date :NA (87) International Publication No : NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	(71)Name of Applicant : 1)Dr. C. GANESHBABU Address of Applicant :BANNARI AMMAN INSTITUTE OF TECHNOLOGY, SATHYAMANGLAM, ERODE, TAMILNADU, INDIA, PIN CODE-638401. Tamil Nadu India 2)Dr. R. HARIKUMAR 3)R. DEEPA (72)Name of Inventor : 1)Dr. C. GANESHBABU 2)Dr. R. HARIKUMAR 3)R. DEEPA 4)K. NIRMALAKUMARI 5)N. BHARANIDHARAN 6)S R SANNASI CHAKRAVARTHY 7)A VIGNESH KUMAR
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(57) Abstract :

Today, the effects of Global Warming on the Environment, based on the climate changes, and probability of certain types of weather events are affected. The main contribution to the global warming is the emissions of CO₂ come from the combustion of fossil fuels. The emission of carbon dioxide to the atmosphere has been identified as a major contributor to global warming. The aim of this invention is to detect and identify CO₂ level, temperature and humidity in the specified area and give the warning to the humans and also give the alert of the environment health status. The invention outcome will be used in urban smart cities setup. The main function of the lungs is gas exchange, to provide oxygen and remove CO₂ from the blood. A High CO₂ level can cause rapid breathing and confusion. When CO₂ concentration goes down, the temperature also goes down. The 350 ppm is the safe level of carbon in the atmosphere. The system will be augmented with real time monitoring of data from sensors for society related issues. The data will be sent to the cloud storage for Data collection and classification in real time and testing. Preliminary results emphasize the importance of these techniques for the benefit of the society.

No. of Pages : 17 No. of Claims : 6

(54) Title of the invention : BAGASSE ASH BRICKS WITH PARTIAL REPLACEMENT OF FLY ASH BRICKS

(51) International classification :C04B28/00
 (31) Priority Document No :NA
 (32) Priority Date :NA
 (33) Name of priority country :NA
 (86) International Application No :NA
 Filing Date :NA
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
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 (62) Divisional to Application Number :NA
 Filing Date :NA

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(72)Name of Inventor :

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(57) Abstract :

Brick play the major role as construction materials for different structures in India. Bricks are mainly used as non load bearing structures. Now-a-days the cost of bricks has raised up. The waste from industries is very harmful for the environment as well as to our health, if not disposed in proper manner. The fibrous residue of sugarcane after crushing and extraction of its juice, known as bagasse is one of the largest agriculture residues in the world. The bagasse is however used as a biomass fuel for boilers, but after burning, the by-product left is of no use and generally disposed into the rivers which affects the health of human beings, environment, fertile land, sources of water bodies etc. Depending on the incinerating conditions, the resulting sugarcane bagasse ash may contain high levels of SiO₂ and Al₂O₃. The use of sugarcane bagasse ash waste in brick can save the sugarcane industry disposal costs and produce greener bricks for construction. In this research, the effect of bagasse ash is investigated when used as replacement in fly ash bricks. The bagasse ash can be used as partial replacement of fly ash in fly ash bricks with significant alteration in properties of bricks. The bricks prepared with different amount of bagasse ash, fly ash, quarry dust and lime are tested for strength and other properties. After the full manufacturing process, the bricks are to be tested in the laboratory and results are analyzed regarding the water absorption and compressive strength. It is observed that, replacement of 30 % bagasse ash gives more compressive strength and is cost effective when compared to other mixes of bricks and conventional bricks. The bagasse ash bricks make the construction economical in reducing the energy. The aim of this research is to make economical and green bricks to maintain environmental balance and avoid the problem of ash disposal. It is also expected that bricks must be lighter in weight, energy efficient and meet compressive strength of IS Code recommendation.

No. of Pages : 8 No. of Claims : 7

(54) Title of the invention : PAVER BLOCK WITH PARTIAL REPLACEMENT OF PLASTIC WASTE POWDER

(51) International classification	:E01C11/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)DR.V.KARTHIKEYAN
(32) Priority Date	:NA	Address of Applicant :THIAGARAJAR POLYTECHNIC
(33) Name of priority country	:NA	COLLEGE, JUNCTION MAIN ROAD, SALEM - 636 005.
(86) International Application No	:NA	TAMILNADU, INDIA. Tamil Nadu India
Filing Date	:NA	2)LOGANATHAN.S
(87) International Publication No	: NA	3)VAIRAMANI.G
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)DR.V.KARTHIKEYAN
(62) Divisional to Application Number	:NA	2)LOGANATHAN.S
Filing Date	:NA	3)VAIRAMANI.G

(57) Abstract :

The concrete paver block usage in internal roads, parking area, gardens and footways is more regular now-a-days. Concrete paver block is a better option in parking area when compared to the conventional road made by bitumen and gravel because the life span of concrete is more compared to the life span of bituminous top road. The use of waste plastic in concrete pavement block is a partial solution to the environment and ecological challenges. Disposal of plastic in an environment is considered to be a big problem due to its low biodegradability and presence in large quantities. The waste plastics are being disposed into the rivers which affect the health of human beings, environment, fertile land, sources of water bodies etc. In this research, the density of waste plastic powder is calculated and used as partial replacement in paver block. The waste plastic powder can be used as a partial replacement of sand with considerable modification in properties of paver block. The paver blocks prepared with different quantity of plastic waste powder are tested for strength and water absorption. After completing the casting of paver block, the paver blocks are to be tested in the laboratory and results are analyzed regarding the water absorption and compressive strength. It is observed that replacement of 30 % waste plastic powder gives more compressive strength and is cost effective when compared to other mixes of paver block and conventional paver block. The aim of this research is to make economical paver block to maintain the environmental balance and avoid the problem of plastic waste disposal. It is also expected that paver block must meet compressive strength as per IS-1-5658-Gode-recommendation-and-reduce-the-cost-of-block-and-also-reduce-the environmental pollution

No. of Pages : 6 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941020560 A

(19) INDIA

(22) Date of filing of Application :24/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : DESIGN AND DEVELOPMENT OF WIRELESS WALL CLIMBING ROBOT ELECTRICAL DUCTED FAN

(51) International classification	:B62D57/00	(71)Name of Applicant : 1)DR.M. SHANKAR Address of Applicant :CHANNABASAVESHWARA INSTITUTE OF TECHNOLOGY, GUBBI, TUMKUR, KARNATAKA - 572 216. Karnataka India
(31) Priority Document No	:NA	2)DR.VINJAMURI VENKATA HARI BABU,SENIOR
(32) Priority Date	:NA	ASSISTANT PROFESSOR
(33) Name of priority country	:NA	3)DR.B.P.PRADEEP KUMAR,ASSOCIATE PROFESSOR
(86) International Application No	:NA	4)MR.K.S.RAGAVENDRA REDDY,ASSISTANT
Filing Date	:NA	PROFESSOR
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)DR.M. SHANKAR
Filing Date	:NA	2)DR.VINJAMURI VENKATA HARI BABU,SENIOR
(62) Divisional to Application Number	:NA	ASSISTANT PROFESSOR
Filing Date	:NA	3)DR.B.P.PRADEEP KUMAR,ASSOCIATE PROFESSOR
		4)MR.K.S.RAGAVENDRA REDDY,ASSISTANT
		PROFESSOR

(57) Abstract :

The immense use of robot, induce the involvement in design and development of wall climbing robot. To have a good transient mechanism between the horizontal wall to vertical wall the link mechanism is used, but still, there are some problems existing in the design of the wall climbing robots . It suffers from shortcomings such as poor performance on rough surfaces and sometimes it fails to create suction in space and relatively lower adhesion force. Based on these link mechanisms static and dynamic analysis are carried out to find the stress and strain developed in the joint during the motion. In this work, the suction mechanism is achieved by placing Electric Ducted Fan (EDF)on the suction base in a circle shape and the suction mode can be changed according to the usage. Based on the weight of the robot, load distribution is calculated. The robot is controlled wirelessly through Wi-Fi module. The geared motor is used for the directional movement of the robot.

No. of Pages : 8 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941020561 A

(19) INDIA

(22) Date of filing of Application :24/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : EFFECTIVE EXTRACTION OF SOLAR ENERGY SYSTEM DESIGN WITH LABVIEW ENVIRONMENT

(51) International classification

:G06F17/50

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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2)DR.MAHENDRAN N PROFESSOR

3)MR.ARAVINDHAN ALAGARSAMY,ASSISTANT

4)DR.S.MANIKANDAN PROFESSOR

(72)Name of Inventor :

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2)DR.P.MURUGANANTHAM,PROFESSOR

3)MR.ARAVINDHAN ALAGARSAMY,ASSISTANT

4)DR.S.MANIKANDAN PROFESSOR

(57) Abstract :

The demand on energy from renewable resources such as solar, geothermal and ocean tidal wave is increased. Among the renewable energy resources the most promising and popular renewable energy resource is solar. The automatic rotation for focusing sun light effectively is the most challengeable problem exists. To address this a prototype of solar tracking PV system to follow the movement of sun is designed which improves the electricity production. The system is designed using a motor, sensors and gear box for the position control. DC motor is used for tracking the movement of sun. Additionally the automatic solar tracking system is designed and simulated with the help of NI LabVIEW to observe the performance.

No. of Pages : 9 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941020600 A

(19) INDIA

(22) Date of filing of Application :24/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : PLASTIC PRE-FILLED PRECISE DOSAGE LOCAL ANAESTHESIA DELIVERING SYRINGE

(51) International classification	:A61M5/178	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Dr. Sibiswamy
(32) Priority Date	:NA	Address of Applicant :32, Government arts College road,
(33) Name of priority country	:NA	Coimbatore-641018. Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Dr. Sibiswamy
(87) International Publication No	: NA	2)G.Balaganesan
(61) Patent of Addition to Application Number	:NA	3)D.S.Dheraj
Filing Date	:NA	4)Dr.Anu Premkumar
(62) Divisional to Application Number	:NA	5)Dr.T.P.Swamy
Filing Date	:NA	

(57) Abstract :

The pre-filled syringe in the medical field is common phenomenon. The specific dental LA deliver requires additional expertise to deliver it properly. The invention comprises of space for negative aspiration, the lock and the seal{9}, the indicator (10), and the modified needle (7) is to deliver the LA solution precise dosage, contamination free, patent safety. The syringe is designed for the specific dental LA delivery purpose and made out of plastic variants.

No. of Pages : 9 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941020678 A

(19) INDIA

(22) Date of filing of Application :24/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : A COMPOSITION OF FLAVORED BEVERAGE WITH A NEUROTRANSMITTER AND THE METHOD OF PREPARATION THEREOF

(51) International classification	:A23L2/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Kickback Innovations Beverages Private Limited
(32) Priority Date	:NA	Address of Applicant :#302, MBR Sapphire, 6th Cross, Bohra
(33) Name of priority country	:NA	Layout, Bannerghatta Road, Bangalore. Karnataka India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Mr. Mithun Venkatramana
(87) International Publication No	: NA	2)Mr. Anand Basavaraj Hulyal
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A composition of flavored beverage with a neurotransmitter and the method of preparation thereof [0033] The invention discloses a composition of flavored beverage with a neurotransmitter and a method of preparation. The composition comprises GABA, L-Theanine, water, sugar, salt, citric acid, sodium benzoate. The beverage is selected from a group of fruits such as a guava crush, a green apple with kiwi crush. The method of preparation comprises mixing the composition of the beverage (201), pasteurizing the mixture at a temperature range between 650C to 850C (202), homogenizing the pasteurised concentrate (203), filtering to remove residual sediments (204), filling the mixture into the container at a temperature range between 550C to 650C (205) followed by cooling at a temperature range between 250C to 300C (206). The beverage relieves stress and anxiety, improves mood and has calming effect because of the neurotransmitter GABA and the amino acid L-theanine. (FIGURE 1)

Bindu Sharma

Agent for the Applicant Regn no: IN/PA 1055 Dated: 24th

May 2019

No. of Pages : 15 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941022245 A

(19) INDIA

(22) Date of filing of Application :04/06/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : A SYSTEM AND METHOD FOR VEHICLE INSURANCE CONTRIBUTION DURING FUEL PURCHASE

(51) International classification

:G06Q40/08

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)Vetukuri Vijay Kumar Raju

Address of Applicant :# 50-40-6/1, Flat No.1, GK Residency,
TPT Colony, Seethammadhara, Visakhapatnam- 530013, Andhra
Pradesh, India Andhra Pradesh India

(72)Name of Inventor :

1)Vetukuri Vijay Kumar Raju

(57) Abstract :

Title: A System and Method for Vehicle Insurance Contribution during Fuel Purchase The present disclosure discloses a system and method for vehicle insurance contribution during fuel purchase. The system mandatorily collects the insurance contribution from the vehicle owners by adding the cost of insurance to every liter of fuel (petrol or diesel or electricity or any other fuel) being purchased by the owner. The process is implemented on mandatory basis and not as an option to the motorist/vehicle owner. Such a method has the capability to eliminate the need for tracking of the vehicles for compliance of mandatory insurance cover. The system eliminates the uninsured motorists by making the motorist contribute to mandatory insurance cover at the time when fuel is purchased. Further objective is to assemble the insurance charge by all fuel supply companies and maintained as a common pool from which vehicle accident victims can claim. The system eliminates fake policies being issued by the culprits and duping unsuspecting vehicle owners.

No. of Pages : 14 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941022285 A

(19) INDIA

(22) Date of filing of Application :05/06/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : REAL-TIME DIGITAL FAULT MONITORING SYSTEM FOR TRANSMISSION LINES IN AUTONOMOUS POWER GRIDS AND METHOD THEREOF

(51) International classification	:H02J3/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)NATIONAL INSTITUTE OF TECHNOLOGY
(32) Priority Date	:NA	TIRUCHIRAPPALLI
(33) Name of priority country	:NA	Address of Applicant :National Institute of Technology
(86) International Application No	:NA	Tiruchirappalli, Tiruchirappalli Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)DR. M. JAYA BHARATA REDDY
(61) Patent of Addition to Application Number	:NA	2)DR. GOPAKUMAR PATHIRIKKAT
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a fault monitoring system. The present invention relates to a real-time digital fault monitoring system for transmission lines in autonomous power grids. Furthermore, particular this invention relates to a method for detecting, classifying and locating faults in power transmission lines occurring at any location in autonomous power grids. The fault monitoring system [100] for transmission lines in autonomous power grids comprises of a power source [1], an auto transformer [2], a power system [3] with transmission line, a three phase load [4], a machine learning unit [7], a phase measurement unit (PMU) and a user interface [8]. Advantageously the present invention relates to fault monitoring system which facilitates faster restoration of faulty line reducing the power outage time and enhancing the reliability of power supply within autonomous power grid. Figure 4.

No. of Pages : 44 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941022353 A

(19) INDIA

(22) Date of filing of Application :05/06/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention :THERMAL ENERGY CIRCULATION MEANS CONNECTED IN DETACHABLE MANNER TO FLAT OR CORRUGATED SOLAR ENERGY ABSORBER •

(51) International classification

:F24S10/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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(72)Name of Inventor :

1)VOORADI RAJESHWARA PRASAD

(57) Abstract :

This solar energy collection device named asThermal energy circulation means connected in detachable manner to flat or corrugated solar energy absorber • consists of~solar energy absorber™ housed in a~transparent thermal insulated container™, such that it is able is able to absorb most of thermal energy of sunlight incident on it. This is an~economical, commercially viable, and easily repairable™ solar thermal energy collection device. This invention relates to Physical Sciences. This device comprises of following components.

a)A flat or corrugated~solar energy absorber™ • capable of absorbing most of thermal energy of the entire incident sunlight.

b)Thermal energy circulation means • connected to said solar energy absorber in detachable manner, for absorption and circulation of thermal energy to the thermal energy storage or utilisation means. c)Detachable • transparent thermal insulated container provided for housing said solar thermal energy absorber along with thermal energy absorbing and circulation means connected to it, for thermal insulation of~said solar thermal energy absorber, and thermal energy circulation means™ in thermal insulated manner from surroundings. d)Detachable framed structure (one or more) • provided to hold and support all components of the device rigidly in predefined manner at predefined locations. In this deviceflat, or corrugated~solar energy absorber™ • is provided to absorb most of the energy from entire incident, and thermal energy circulation means connected to said solar energy absorber in detachable manner (for easy repair, and replacement), for absorption and transmission of the thermal energyfrom said solar thermal energy absorber, to the thermal energy storage or utilisation devices • .

No. of Pages : 36 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941011919 A

(19) INDIA

(22) Date of filing of Application :27/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : STRUCTURAL CO-ORDINATION OF OBJECT

(51) International classification	:G06F3/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)LINEY AJAY. J
(32) Priority Date	:NA	Address of Applicant :No.27/31, 20th Street, Chennai Tamil
(33) Name of priority country	:NA	Nadu India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)LINEY AJAY. J
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The Co-ordinate system explains the no.o:f Co-ordinates of a structure. It is denoted by C. Where the structures with 2,3,4.....n Co-ordinates are denoted by 2C, 3C, 4C,nc co-ordinate system. Say, the vertices of a structures divides into number of edges that explains no.of co-ordinates of structure. Based on no.of edges joining the vertices the co-ordinate system of the structure is found.

No. of Pages : 32 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941021874 A

(19) INDIA

(22) Date of filing of Application :03/06/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : FOLDABLE SHOPPING CART

(51) International classification	:B62B1/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Mr. Pamidimukkala Venkata Raja Gopal
(32) Priority Date	:NA	Address of Applicant :Tejasvi Cool Cover Industries, 2-2-
(33) Name of priority country	:NA	647/208, SY. NO. 9, C.E. Colony, Bagh Amberpet, Hyderabad
(86) International Application No	:NA	Telangana India
Filing Date	:NA	2)Mr. Radha Krishna Dharwada
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)Mr. Pamidimukkala Venkata Raja Gopal
Filing Date	:NA	2)Mr. Radha Krishna Dharwada
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to the foldable cart (600) is especially used for shopping the groceries or vegetables. The foldable cart (600) comprises square shaped outer frame (602) to accommodate the detachable bag (622). The outer carrier frame body (602) is joined with one another with crossbars (608) to enable folding of the cart (600). Each corner of the carrier frame body (602) terminates with wheel members (606).This trolley kind foldable cart is approximately a normal height of about a 0.5 meter, which is made of steel and/or powder coated aluminum bars. A cord (624) is centrally attached at the bottom of the cart assisting to lift/pull the cord vertically so that the cart gets folded The folded state of this foldable cart is used as crutch, especially for elderly persons. This foldable cart eliminates the chance of getting any kind of muscular/skeletal problems, or back pains, shoulder or neck aches due to its robust design. Figure related to Abstract if FIG. 6

No. of Pages : 13 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941021903 A

(19) INDIA

(22) Date of filing of Application :03/06/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : SHELL AND TUBE HYBRID DOUBLE CROSS FLOW HEAT EXCHANGER

(51) International classification

:B01J8/06

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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(72)Name of Inventor :

1)Dr. A.S. KRISHNAN

2)D. P. SAM SOLOMON

3)K. POOVARASAN

4)M. JAYAKUMAR

5)S. KAVIN

6)B. SHREA VIGNESH

(57) Abstract :

The present invention is on a new configuration of shell and tube heat exchanger (STHX) that differs from conventional cross flow STHX in the sense that; an additional set of tubes has been introduced perpendicular to the existing staggered tube arrangement. This results not only in increased heat transfer by better mixing, but also in decreased pumping power due to smoother directional changes, consequently an augmented performance. The design is compatible with existing manufacturing facilities and maintenance requirements. Since the tube sets have independent entry and exit, the arrangement also helps in (a) use of only one set of tubes during under-design operations (b) reduced system shut-down (c) use of two different fluids and flow conditions in the tube sets. The arrangement has been named as hybrid double cross flow STHX as it is a combination of conventional STHX and a more recent double cross flow STHX.

No. of Pages : 8 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941021906 A

(19) INDIA

(22) Date of filing of Application :03/06/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : ERGONOMIC AIRPLANE CABIN CREW CONTROLLABLE UNIT WITH VICINITY AND DIRECTIONAL CONTROL

(51) International classification	:B64D45/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Mr. MOHAMED R.S. HAMEED
(32) Priority Date	:NA	Address of Applicant :11/67B, KADAI VILLAI STREET,
(33) Name of priority country	:NA	MANAVALA KURICHI, KANYAKUMARI Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Mr. MOHAMED R.S. HAMEED
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The trolley (4) used in the cabin which is operated in the aisle gives hassle to the passengers during their movement within the cabin. The said trolley in the present invention is developed to hang from the top. The hanging position can be adjusted accordingly, height adjustable. They also have the provision to cover the entire unit preventing from the spillage. Manpower reduction from 2 to 1 per trolley handling and the trolley (4) can be operated by remote control which provides complete safety to other objects including human beings. The specially designed sensor is wouldnt hit any object as well as without affecting the navigation system.

No. of Pages : 6 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941022354 A

(19) INDIA

(22) Date of filing of Application :05/06/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : SMART BETEL VINE CULTIVATION USING INTERNET-OF-THINGS

(51) International classification	:A01N47/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Dr.M.Nandhini
(32) Priority Date	:NA	Address of Applicant :Assistant Professor, Department of
(33) Name of priority country	:NA	Computer Science, Government Arts College, Udumalpet Tamil
(86) International Application No	:NA	Nadu India
Filing Date	:NA	2)Dr.M.Megala
(87) International Publication No	: NA	3)Ms.S.Aneesh Fathima
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Dr.M.Nandhini
(62) Divisional to Application Number	:NA	2)Dr.M.Megala
Filing Date	:NA	3)Ms.S.Aneesh Fathima

(57) Abstract :

The proposed Smart Betel Vine Cultivation using IoT (SBVC) integrates real time monitoring and controlling of betel leaf diseases and water irrigation for effective cultivation. SBVC system is capable to manage the state of the agricultural field located remotely through an IoT-based network. IoT based smart cameras and environmental sensors are set in the agricultural field to control and observe live video of the crop cultivation. The data from the agricultural field is transmitted through existing Internet. Environmental sensors help to determine the temperature and humidity with soil moisture content. The two major functionalities of the proposed system are: betel leaf disease detection and classification, water irrigation controlling and monitoring. The proposed SBVC system helps to conquer the difficulties in agricultural field thus improve the quality of betel vine cultivation of financial significance.

No. of Pages : 9 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941022368 A

(19) INDIA

(22) Date of filing of Application :06/06/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : PREPARATION OF RICE STARCH-BASED BIODEGRADABLE FILM

(51) International classification	:C08L3/02	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Sri Venkatedwara College of Engineering
(32) Priority Date	:NA	Address of Applicant :Sri Venkatedwara College of
(33) Name of priority country	:NA	Engineering, Post Bag No. 1, Pennalur, Sriperumbudur Taluk-
(86) International Application No	:NA	602117, Tamil Nadu, India. Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)M.Sanyukthaa
(61) Patent of Addition to Application Number	:NA	2)S.P. Arunram
Filing Date	:NA	3)E. Nakkeeran
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

ABSTRACT Conventional plastic bag creates several environmental problems including their non-biodegradability, release of toxic pollutants and impact of landfills. Hence, this invention was focussed on alternative packaging film. The current trend in new food packaging is that, wherever possible, it should not only be natural and !Eco-friendly, but also functional and cost-effective biofilms are used. Recent researches have focused on starch-based biofilms; however, it is brittle in nature and easily soluble in water. The properties required for packaging materials are temperature resistant, tensile strength, water permeability, flexibility and water insolubility.

No. of Pages : 6 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941022381 A

(19) INDIA

(22) Date of filing of Application :06/06/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : SOLAR HELI-HOIST FOR WIND TURBINES

(51) International classification	:F24S25/10	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MANIARASAN SETHU
(32) Priority Date	:NA	Address of Applicant :7/20, ANNA MAIN ROAD MGR
(33) Name of priority country	:NA	NAGAR, AGARAMTHEN, CHENNAI Tamil Nadu India
(86) International Application No	:NA	2)SHIVA RAHUL TUMMALA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)MANIARASAN SETHU
(61) Patent of Addition to Application Number	:NA	2)SHIVA RAHUL TUMMALA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An arrangement 100 for capturing solar energy in a wind turbine, the arrangement comprising: a heli-hoist platform having a platform floor 102 and railings 104 attached to the platform floor 102 wherein the railings 104 define borders of the heli-hoist platform; and a plurality of solar panels 106 attached to the railings 104 of the heli-hoist platform

No. of Pages : 18 No. of Claims : 7

(54) Title of the invention : AN OPTIMISED METHOD TO CREATE CLUSTERS EFFECTIVELY AND EFFICIENTLY

(51) International classification :G06F3/06 (31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA (86) International Application No :NA Filing Date :NA (87) International Publication No : NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	(71)Name of Applicant : 1)Dr. PAPPULA PRAVEEN Address of Applicant :Assistant Professor in Department of Computer Science and Engineering, S R Engineering College, Warangal Telangana India 2)TALLAPALLY SAMPATH KUMAR 3)R RAVIKUMAR 4)SALLAUDDIN MOHAMMED 5)MOHAMMED ALI SHAIK 6)SYED NAWAZ PASHA (72)Name of Inventor : 1)Dr. PAPPULA PRAVEEN 2)TALLAPALLY SAMPATH KUMAR 3)R RAVIKUMAR 4)SALLAUDDIN MOHAMMED 5)MOHAMMED ALI SHAIK 6)SYED NAWAZ PASHA
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(57) Abstract :

According to an aspect of the invention a Mean Base Divisive Clustering (MB-DivClues) method for categorizing unstructured data into various groups is disclosed. The constructive mean-based divisive clustering method is developed to reduce comparison includes several steps which includes identification of mean value from a given dataset, to find the arithmetic mean value of base cluster-infrequent attribute and storing the found mean value in a tree which is represented as root. Further the steps include comparing the objects in the dataset with the said mean value and stored in the nearest cluster. A new cluster is created to place the sorted object in new cluster. In the process of proposed method includes steps of shifting the object value to the left cluster when it is less than the mean value, shifting the object value to right cluster when it is greater than the mean value and repeating the above procedure until singleton cluster is picked from the given dataset. Wherein before applying divisive Clustering method, initially all the data objects are available in a single cluster and a mean value is calculated on the dataset.

No. of Pages : 23 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941022559 A

(19) INDIA

(22) Date of filing of Application :07/06/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : HILL ROAD SAFETY ASSISTANCE USING PIEZOELECTRIC SENSOR

(51) International classification

:G01P15/02

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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5)Mr. N.Girinath

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2)Dr. Jayasudha Subburaj

3)Mr. Anandbalaji

4)Ms. P.Keerthana

5)Mr. N.Girinath

(57) Abstract :

Not Submitted...

No. of Pages : 11 No. of Claims : 5

(54) Title of the invention : IOT BASED INTELLIGENT ACOUSTICIAN MICROPHONE

(51) International classification :H04R1/00
 (31) Priority Document No :NA
 (32) Priority Date :NA
 (33) Name of priority country :NA
 (86) International Application No :NA
 Filing Date :NA
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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2)Dr.J.Janet**3)Dr Susan Augustine****4)Dr.J.P.Ananth****5)Dr.V.Ragavi****(72)Name of Inventor :****1)Dr.S.Balakrishnan****2)Dr.J.Janet****3)Dr Susan Augustine****4)Dr.J.P.Ananth****5)Dr.V.Ragavi****(57) Abstract :**

The development of telephone gave way to the invention of microphone. Early days it was just a device that enabled to transfer human voice over a pair of wires. But, history states that the term microphone was first applied to the stethoscope by Sir Charles Wheatstone in 1827. The generation of microphones states back from the era of Carbon Microphones to wireless microphones. Though lot of changes had been done on to the design for better transmission. Still few areas of handling the microphone remain untouched. The stages of microphones from Carbon Microphone, Double Button Carbon Microphone, Crystal Microphone, Condenser Microphones, The Bottle Microphones:- the first cardioid microphone, The Telly: switchable microphone, Dynamic Microphones: moving coils and ribbons. Ribbon Microphones and Electret Microphones after these versions, the second generation gave importance for directionality and Miniaturization. Shotgun Microphones and Wireless microphones are a result of that. But still the usage scenario of microphones are not assessed and addressed to the fullest. The microphone types can be chosen based on our purpose. But since microphones are used in various public places, the speaker using the microphone also should be taken into consideration which had not been addressed till date. India being a developing nation, where the literacy rates to 74.4 %. Most of them remain unaware of technical skills and knowledge to handle electronic equipments, and so it would be tedious task to adjust a microphone to a perfect direction or angle, so as to avoid noise problems and to impart continuous and proper transmission of their sound waves.

No. of Pages : 9 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941022566 A

(19) INDIA

(22) Date of filing of Application :07/06/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : FABRICATION OF MULTI JUNCTION BOX PV MODULES FOR POWER ENHANCEMENT DURING FAULTY CONDITIONS

(51) International classification	:H02S20/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)D.PRINCE WINSTON

(57) Abstract :

TITLE: FABRICATION OF MULTI JUNCTION BOX PV MODULES FOR POWER ENHANCEMENT DURING FAULTY CONDITIONS The sustainable PV module with two junction boxes which generates more power during fault and hot spot condition is invented. This invented PV module has two junction boxes. One box is placed at the top of the-panel and another at the bottom of the panel. The top box has similar connection as like the existing PV module. The bottom box has connection leads from all the substrings i.e. the centre of each string. Thus the upper box has top side connections from all the substrings and bottom box has lower side connection from all the substrings. Bypass diodes are connected across the strings at the top box. Connectors are used at the bottom box to interconnect the substrings. The manual and automatic fault clearance methods are proposed to enhance the power during faulty condition. The automatic method uses additional relay circuits to clear the fault. The invented PV module is sustainable which can deliver power during faults. When compared to the existing PV module, the invented PV module generates 25% more power under low fault condition and 50% more power under medium fault condition. The existing PV module did not generate power during high fault condition, whereas the proposed module generates power. Along with power enhancement, the output voltage is also increased in the invented PV module under fault condition.

No. of Pages : 20 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941022588 A

(19) INDIA

(22) Date of filing of Application :07/06/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : ADVANCED SMART AQUAPONICS TECHNOLOGY FOR FUTURE FARMING IN AGRICULTURE

(51) International classification	:A01G31/02	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SRI VENKATESHWARA COLLEGE OF
(32) Priority Date	:NA	ENGINEERING
(33) Name of priority country	:NA	Address of Applicant :SRI VENKATESHWARA COLLEGE
(86) International Application No	:NA	OF ENGINEERING, KIA ROAD, VIDYANAGAR,
Filing Date	:NA	BENGALURU, KARNATAKA, INDIA - 562 157. Karnataka
(87) International Publication No	: NA	India
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Dr. SHIVASHANKAR
(62) Divisional to Application Number	:NA	2) Dr. KESHAVAMURTHY
Filing Date	:NA	3)PROF. ARJUN KUMAR GB

(57) Abstract :

The idea of an aquaponics is pitched across the table during a routine innovation topic discussion which is brainstormed and advanced research for future technology in agriculture. The team formed for the purpose dived into the research phase which resulted in designing a novel idea of using household green waste along with some mechanical arrangements embedded with electronics units applied to aquaponics technology. The idea of the proposal throws a light on the structuration and evaluation of the idea into a holistic product.

No. of Pages : 8 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941015063 A

(19) INDIA

(22) Date of filing of Application :15/04/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : AQUA-HEADER TANK CIRCULATOR-FILTER

(51) International classification

:A01K63/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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2)Aravind A

3)Indarajith G

4)Sharnad K.V

5)S Venugopal

6)Sonu Mathew

(72)Name of Inventor :

1)Ajin S

2)Aravind A

3)Indarajith G

4)Sharnad K.V

5)S Venugopal

6)Sonu Mathew

(57) Abstract :

A novel technique for biological filtration in aquariums and aquaponics systems is proposed in the work. Aerobic and anaerobic bacteria are grown in a filter element fo filtering both solid particulars as well as dissolve toxic ammonia from the water systems. In current work in order to stabilize dissolved oxygen and carbon dioxide levels, pumped and filtered water is made to drizzle over the water tank using a newly designed overhead water chamber which can also improve water circulation in the set aquarium or pond.

No. of Pages : 6 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941015075 A

(19) INDIA

(22) Date of filing of Application :15/04/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : BODY SHOWER-DRYER

(51) International classification	:A45D20/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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3)Rejun Raghu

4)Rengith Seby

5)John Stephen

(72)Name of Inventor :

1)Ajin S

2)Revith S Nair

3)Rejun Raghu

4)Rengith Seby

5)John Stephen

(57) Abstract :

In order to dry human body after bathing, a full body drier design is proposed. This dryer can be placed anywhere such as bathrooms, near swimming pools, amusement parks and so on. One can also take a shower with this device. Thus this is a multi-purpose device for both wetting and drying human body. Taking a bath through this device can be done through a conventional pipeline shower attachment. Drying system . involves a centrifugal blower, heater and a drying tower from where air is blown over human body.

No. of Pages : 4 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941021907 A

(19) INDIA

(22) Date of filing of Application :03/06/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : OPTIMIZED MECHANISM FOR PIECE EXTRACTION FOR POWER LOOM

(51) International classification	:D03J1/00	(71) Name of Applicant :
(31) Priority Document No	:NA	1)C.J.VIGNESH
(32) Priority Date	:NA	Address of Applicant :NO.145,AMMAN KOIL
(33) Name of priority country	:NA	STREET,VALAYAPALAYAM
(86) International Application No	:NA	PIRIVUE,KADUVETTIPALAM POST,KARUMPATHI.
Filing Date	:NA	COIMBATORE-641659 Tamil Nadu India
(87) International Publication No	: NA	(72) Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)NEVASH.S
Filing Date	:NA	2)C.J.VIGNESH
(62) Divisional to Application Number	:NA	3)SOORYA.V.N
Filing Date	:NA	4)SAKTHI ANANDAKUMAR.V

(57) Abstract :

The power loom the cloth material needs to be segmented at regular interval. This involves monumental human effort where human error is found high. The labors working in this industry face at. most difficulty in removing the manufactured piece from the machine. Our design mainly focuses on user friendly mechanism to reduce above difficulty. So we have designed piece extraction device for power loom which remove the cloth rolled in the power loom using the folding plate connected to the roller.

No. of Pages : 7 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941021956 A

(19) INDIA

(22) Date of filing of Application :03/06/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : ROLL AND PULL TYPE PLANT UPROOTING MACHINE WITH FLEXIBLE STEM CLAMP

(51) International classification	:A01D41/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)DR.M.EASWARAMOORTHY
(32) Priority Date	:NA	Address of Applicant :PROFESSOR, MECHANICAL
(33) Name of priority country	:NA	ENGINEERING, NANDHA ENGINEERING COLLEGE,
(86) International Application No	:NA	VAIKKALMEDU, ERODE, TAMIL NADU, INDIA-638052
Filing Date	:NA	Tamil Nadu India
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)DR.M.EASWARAMOORTHY
Filing Date	:NA	2)M.SEGOTTAIYAN
(62) Divisional to Application Number	:NA	3)D.SUBRAMANIAN
Filing Date	:NA	

(57) Abstract :

7. ABSTRACT OF THE INVENTION A roll and pull type uprooting machine with flexible stem clamp consists of three major assemblies namely a straight hollow shaft with handle (RH) at one end and :C; shape gripper at the opposite end (fixed portion of jaw of the flexible gripper). Track bar with handle (LH side), bracket, link bar, tow bar, :L shape clamp and companion part of :C shape gripper .(moveable portion of jaw), and axle with wheels. In this embodiment the first assembly hollow shaft and accessory parts are used to locate the stem of the plant with the linear and rotational movement. The linear movement is provided by the wheels and rotation movement by hand at handle (RH). The second assembly track bar and accessory parts are used to provide clamping force at moveable portion of jaw in gripper. The linkages are designed in such a way that the linear motion at handle (LH) will provide longitudinal motion at moveable portion of the jaw. The downward force applied at the handle vertically is transmitted to the stem of the plant and helps to uproot the tuber, root or similar plants from the earth. The force applied at the handle can be minimized by adjusting the location of the axle between gripper and handle. The roll and pull type uprooting machine with flexible stem clamp has the advantages of simple structure, ergonomic design, ease of operation by any unskilled labor, low cost, less human effort, and uprooting of plant stem with different orientations.

No. of Pages : 8 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941022106 A

(19) INDIA

(22) Date of filing of Application :04/06/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : ASSURED PROFIT OPTIMIZED 5 PARAMETRIC APPROACH FOR VARIOUS STOCK EXCHANGE

(51) International classification

:G06Q40/06

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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(72)Name of Inventor :

1)L. BALAJI

2)Dr. K. PRIYA

(57) Abstract :

The volatile market is one of tough thing for the predictors to obtain the maximum profit. The present invention is developed for the maximum profit with 5 parametric approach to achieve it. The parameters taken for the maximum profits are shape patterns, M waveform, Number . and 45 degree angle analysis, volume and open interest analysis and leading and lagging analysis in the sequence to obtain.

No. of Pages : 6 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201841003208 A

(19) INDIA

(22) Date of filing of Application :29/01/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : A SYNERGETIC COMBINATION OF HERBAL HAIR GEL

(51) International classification	:A61K36/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CHITTA VENKATESWARARAO
(32) Priority Date	:NA	Address of Applicant :303,SRINIVASAM NARASAI AH
(33) Name of priority country	:NA	AGRAHARAM, BHIMAVARAM, ANDHRAPRADESH,INDIA
(86) International Application No	:NA	534201 Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)CHITTA VENKATESWARARAO
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A synergetic combination of hair gel relates to the field of cosmetics. Due to the side effects with the synthetic hair cleansers, Herbal hair gel contains the natural ingredients along with cow dung with no side effects. It is used for growth of hair, Prevention of Dandruff and Greying of hair. Which is safe and effective for human beings.

No. of Pages : 7 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201841039017 A

(19) INDIA

(22) Date of filing of Application :15/10/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : HELICAL INTERLOCK SYSTEM FOR RAPID ERECTION OF PRE-CASE MEMBERS

(51) International classification	:E04C3/30	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Prof. N.V. RAMANA RAO
(32) Priority Date	:NA	Address of Applicant :DIRECTOR, NATIONAL INSTITUTE
(33) Name of priority country	:NA	OF TECHNOLOGY WARANGAL 506004. Telangana India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)C.B.KAMESWARA RAO
(87) International Publication No	: NA	2)D. RAMA SESHU
(61) Patent of Addition to Application Number	:NA	3)T.P. TEZESWI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A connection system for pre-cast beams and columns consisting of embedded spring like helical interlock connectors is invented. The connectors enable rapid construction as two elements can be connected by aligning and sliding the helical connectors so that they interlock. The helical interlocking design enables the erector to insert laterally one helical end of the rebar into the helical end of other the rebar to form the interlocked connection. This does not require any application of torque at the connection. This novel connector is fundamentally different from existing connectors such as double hook connectors, threaded connectors, end anchors, which require execution of additional tasks to align and secure the joints.

No. of Pages : 7 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941018545 A

(19) INDIA

(22) Date of filing of Application :09/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : REFRIGERATOR WITH WARMER CHAMBER

		(71)Name of Applicant :
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		Address of Applicant :SCHOOL OF MECHANICAL
		ENGINEERING, SATHYABAMA INSTITUTE OF SCIENCE
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		JEPPIAAR NAGAR, RAJIV GANDHI ROAD, CHENNAI - 600
		119. Tamil Nadu India
		2)Mr.A.Ramakrishnan
		3)Mr.E.Vengatesan
		4)Mr. A.Muniappan
		5) Dr.S.Prakash
		6)Mr.R.Kaja Bantha Navas
		(72)Name of Inventor :
		1)Dr.G.Arunkumar
		2)Mr.A.Ramakrishnan
		3)Mr.E.Vengatesan
		4)Mr. A.Muniappan
		5) Dr.S.Prakash
		6)Mr.R.Kaja Bantha Navas
(51) International classification	:F25D19/00	
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

ABSTRACT: The invention, deals with the development of Refrigerator with Warmer Chamber this can be widely used in domestic household purposes. The main objective of the invention is to recover the heat coming out from the compressor. known as Heat Recovery. This heat recovery is achieved by welding copper wires to the delivery pipe of a compressor and by making turns in a micro wave oven frame. The refrigerator is divided into four chambers, First chamber is used for freezing purpose, second chamber is used for cooling purpose and third chamber is used for warming purpose and fourth chamber is used: for storing food products. Normally refrigerator is used only for cooling purposes, with this: invention cooling and warming can be done in a same device is the idea behind. this concept. So if heat is recovered food products can be warmed in refrigerator. itself with simultaneous cooling. NT OFFICE CHENNAI. 10/05/2019 1 2 42:-

No. of Pages : 11 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941018689 A

(19) INDIA

(22) Date of filing of Application :10/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : A PUNCTURE GUARD FOR VEHICLES

(51) International classification	:B29D30/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)PROF. RAVIKUMAR PULI
(32) Priority Date	:NA	Address of Applicant :H. NO: 1-1-944 SIDARTHA NAGAR,
(33) Name of priority country	:NA	KAZIPET, WARANGAL, TELANGANA-506004, INDIA.
(86) International Application No	:NA	Telangana India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)PROF. RAVIKUMAR PULI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Generally two and four wheeler vehicles such as bikes, scooters, and cars are the everyday transport mechanism for each citizen of India. Sometimes, we get a situation of damage to tyres in the vehicle while driving that may be due to puncture. This requires, the vehicle to be pushed to service station. This realistic problem may be solved with the usage of a simple mounting device to the damaged wheel to save the tyre and tube from damage. The mounting device comprises of an arrangement having a steel rod(1) bent to a required shape so as to hold the punctured tyre, supported with wheels(3) coated with layers of airtight rubber on four sides.

No. of Pages : 15 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941018719 A

(19) INDIA

(22) Date of filing of Application :10/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : PROCESS OF IMPROVING ENERGY OF A NODE IN HOSTILE ENVIRONMENT

(51) International classification

:H04L67/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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Nadu India

2)DR.M.S.NIDHYA

(72)Name of Inventor :

1)DR.R.JAYAKARTHIK

2)DR.M.S.NIDHYA

3)MICHAEL RAJ TF

4)B.RAJAKUMAR

(57) Abstract :

7.ABSTRACT OF THE INVENTION A booster node is a wireless sensor node which is composed of high processing unit, efficient communication system and effective sensing and location finding system. It uses EBR Energy Booster Routing process to energize a node in a hostile environment. Energy Booster Routing process is a process which finds energy lacking node in a flat model and in a hierarchy model. It quickly finds the dying node in a hierarchy model. An efficient technique of this node is, it will find the dying node location and cluster by their node-id. This booster node is mainly used in hostile environment where a human access is limited. Without receiving node-id, continuously changing of cluster-head will be predicted by this booster node and energize the whole cluster too.

No. of Pages : 4 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941020433 A

(19) INDIA

(22) Date of filing of Application :23/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : SKIN DISEASE IDENTIFICATION SYSTEM AND A METHOD THEREOF

(51) International classification	:A61N5/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)ALAGAR MANAVALAN, BALAMURUGAN
(32) Priority Date	:NA	Address of Applicant :B1/S6, MADHULIKA APARTMENT,
(33) Name of priority country	:NA	KARANITHANGAL VILLAGE, KANCHEEPURAM Tamil
(86) International Application No	:NA	Nadu India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)ALAGAR MANAVALAN, BALAMURUGAN
(61) Patent of Addition to Application Number	:NA	2)BALRAJ, VICTORIA JANCEE
Filing Date	:NA	3)GOPALAKRISHNAN, ANITHA
(62) Divisional to Application Number	:NA	4)VIJAYAKUMAR, CHANDANA
Filing Date	:NA	5)ALAGARSAMY, PRABHU CHAKKARAVARTHY

(57) Abstract :

The present invention relates to the field of identification and analysis of skin related diseases by image processing system. A skin disease identification system comprises of reading RGB images from the patient, pre-processing of acquired images, segmentation of processed images and developing active contour images characterized in that said pre-processing method comprises of Gaussian and Median filters, segmentation method comprises of generating histograms using Hue, Saturation and Value factors in a numerical computing environment. FIG-1

No. of Pages : 16 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941022670 A

(19) INDIA

(22) Date of filing of Application :07/06/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : METHOD AND APPARATUS FOR DETERMINING THE RATE AND QUANTITY OF SOIL DISPERSION

(51) International classification	:A01C21/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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Address of Applicant :E2D, XS Real Amity, OMR, Padur,
Kanchipuram Dist, Chennai - 603 103 Tamil Nadu India

(72)Name of Inventor :

1)J. Nivethidha

2)E B Perumal Pillai

(57) Abstract :

ABSTRACT The present invention relates to a method and apparatus for determining the rate and quantity of dispersion of the soil. More particularly, the rate of dispersion and the quantity of dispersion can be found out easily as a direct method and also the actual ground environment can be simulated to find the dispersion process. The apparatus is used to measure the dispersion in the undisturbed sample by providing confining pressure and overburden pressure. It also determines the dispersion in an unconfined state by adjusting the head of water to simulate the ground environment. The time taken for this test is only 5 hours and the method is simple, when compared to other methods.

No. of Pages : 15 No. of Claims : 8

(54) Title of the invention :PLURALITY OF~THERMAL ENERGY CIRCULATION MEANS™ CONNECTED IN DETACHABLE MANNER TO CORRUGATED SOLAR ENERGY ABSORBER •

(51) International classification	:F24S10/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)VOORADI RAJESHWARA PRASAD
(32) Priority Date	:NA	Address of Applicant :V. RAJESHWARA PRASAD, House
(33) Name of priority country	:NA	No: 2-4-118, Ramnagar street, Hanamkonda Town, Warangal
(86) International Application No	:NA	(Urban) District, Telangana State, INDIA PIN Code: (506001)
Filing Date	:NA	Telangana India
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)VOORADI RAJESHWARA PRASAD
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

ABSTRACT OF THE INVENTION The present invention named asPlurality of~thermal energy circulation means™ connected in detachable manner to corrugated solar energy absorber□ consists of~plurality of corrugated solar energy absorbers™ housed in a~transparent thermal insulated container™, such that the device is able is absorb most of thermal energy of sunlight incident on it. This is an~economical, commercially viable, and easily repairable™ solar thermal energy collection device. This invention relates to Physical Sciences. This device comprises of following components. a)A corrugated~solar energy absorber™ • capable of absorbing most of thermal energy of entire incident sunlight. b) Plurality ofthermal energy circulation means • connected to said solar energy absorber in detachable manner, for absorption and circulation of thermal energy to the thermal energy storage or utilisation means. c)Detachable • transparent thermal insulated container provided for housing said solar thermal energy absorber along with thermal energy absorbing and circulation means connected to it, for thermal insulation of~said solar thermal energy absorber, and thermal energy circulation means™ in air tight manner from surroundings. d)Detachable framed structure • provided to hold and support all components of the device rigidly in predefined manner at predefined locations. In this devicecorrugated solar energy absorber • is provided to absorb most of the energy from entire incident direct solar radiation as well as diffused radiation, and thermal energy circulation means connected to said solar energy absorber in detachable manner, for~absorption and transmission of the thermal energy™from said corrugated solar thermal energy absorber, to the thermal energy storage or utilisation devices • .

No. of Pages : 41 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941016919 A

(19) INDIA

(22) Date of filing of Application :29/04/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : MULTI-LAYERED ANTENNA DESIGN FOR SMART CITY APPLICATIONS

(51) International classification	:H01Q1/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MR.DAMARAJU SRI SAI SATYANARAYANA
(32) Priority Date	:NA	Address of Applicant : BESIDE RAMALAYAM,
(33) Name of priority country	:NA	SEETAPHALMANDI, SECUNDERABAD, TELANGANA-500
(86) International Application No	:NA	061. Telangana India
Filing Date	:NA	2)DR.KANTIPUDI MVV PRASAD
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1) MR.DAMARAJU SRI SAI SATYANARAYANA
Filing Date	:NA	2)DR.KANTIPUDI MVV PRASAD
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The recent innovations and techniques in antenna technology are highly appreciable in the field of wireless communications as it enhances the performance of the wireless system. The key design issues of antenna for wireless communication applications are wide bandwidth, high gain and directivity. In order to cater the above needs of wireless communication system the electro geometrical modelling of antennas is highly necessary. Conventional micro strip antennas had some limitations, that is, single operating frequency, low impedance bandwidth, low gain, larger size, and polarization problems. The microstrip patch antenna has gained attention of various researchers to investigate on the applications at microwave regime due to its advantages like low cost, multiband, multi frequency. This project aims to design and develop Multi-layered patch antenna for wireless applications. The numerical simulation analysis will be carried out in Computer Simulation Tool (CST).

No. of Pages : 10 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941016933 A

(19) INDIA

(22) Date of filing of Application :29/04/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : FLUIDIC GLASS WINDOW SHADING PANEL

(51) International classification

:E06B9/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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3)Abhijith Mohan

4)Gopikrishna S

5)Abhijith N S

(72)Name of Inventor :

1)Ajin S

2)Anandakrishnan K S

3)Abhijith Mohan

4)Gopikrishna S

5)Abhijith N S

(57) Abstract :

By shading glasses, air-conditioning load inside a room can be reduced. By the use of fluidic window glass we can artificially simulate various ambiances inside the room. In addition, fatigue in eyes due to extended exposure under sunlight can also be reduced. A small volume of fluid is passed inside a triple paned window. By changing color of the fluid inside the spacing between glasses, one could vary the opacity of the glass window. Fluid is pumped inside glass spacing in conjunction with intensity of sunlight with the help of an automation circuit.

No. of Pages : 4 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941019763 A

(19) INDIA

(22) Date of filing of Application :20/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : DESIGN AND FABRICATION OF HELMETBY USING HYBRID COMPOSITE MATERIAL

(51) International classification	:A42C2/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MANOJ KUMAR.G
(32) Priority Date	:NA	Address of Applicant :AP/MECH, MEPCO SCHLENK
(33) Name of priority country	:NA	ENGG COLLEGE, SIVAKASI - 626 005. Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)MANOJ KUMAR.G
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The term composite materials are deeply suited in to our engineering culture. Now a days, composite materials are gaining huge attention, Infact the world is moving on towards the composite materials. This work focuses on the development and personation of hybrid Kevlar/ S-Glass/jute reinforced epoxy composite. The total number fibre layers are fixed and both weight percentage of the matrix and different fibre layers are varied. Three specimens were fabricated using hand layup technique. The specimens are fabricated according to the ASTM standard by using Epoxy resin LY556 as the matrix material and Hardener - HY 951.Out of three specimens the best composition is selected by undergoing various tests like flexural test, tensile test, SEM etc. The reinforcement includes fibres like Kevlar, S-Glass and Jute. Since, the world is moving on towards the composite materials and smart materials, the ultimate aim of this paper is to develop a hybrid composite materials to achieve helmet of superior quality, low cost and light weight. This helmet is suitable for various applications like bike helmet, bicycle helmet, baseball helmet and cricket helmet. Keywords: Kevlar fibre, jute fibre, S-Glass fibre, Industry helmet

No. of Pages : 10 No. of Claims : 5

(54) Title of the invention : WIRELESS SMART BILLING BASKET FOR SUPER MARKET

(51) International classification :G06Q30/00 (31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA (86) International Application No :NA Filing Date :NA (87) International Publication No : NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	(71)Name of Applicant : 1)A.NAGARASAN Address of Applicant :AKSHAYA COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE- 642109, TAMILNADU, INDIA. Tamil Nadu India 2)T.SUBRAMANIYAN 3)Dr.N.SUGUNA 4)Dr.J.JAYA 5)PROF.T.BOOBALAN (72)Name of Inventor : 1)Dr.N.SUGUNA 2)Dr.J.JAYA 3)PROF.T.BOOBALAN 4)Ms.AARTHY .P 5)Ms.ANGALAPAPARAMESWARI .K 6)Ms.GOWSALYA .R 7)Ms.KEERTHANA .S
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(57) Abstract :

An automated smart shopping system is formed by the concept of IoT. IoT is used to connect all items in the grocery shop. An Inexpensive RFID tag is embedded within each product in this system. When the product is placed into a smart cart, the product detail is automatically read by the cart equipped with an RFID reader. Hence, billing is made from the shopping cart itself It prevents our customers from waiting in a long queue. Also, expiry date of the product is displayed and the damaged products can be identified with respect to its weight. Thus, expired and damaged products will not be considered for bill calculation. In addition to that, smart shelving is added to this system by introducing RFID readers that can monitor stock, perhaps updating a central server. Thus, inventory management becomes easier. Finally, the checkout points can validate the purchase made by a client.

No. of Pages : 7 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941019790 A

(19) INDIA

(22) Date of filing of Application :20/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : REAL TIME INTUITIVE TRASH MANAGEMENT SYSTEM

		(71)Name of Applicant :
		1)A.NAGARASAN
		Address of Applicant :AKSHAYA COLLEGE OF
		ENGINEERING AND TECHNOLOGY,COIMBATORE -
(51) International classification	:G10L15/00	642109. Tamil Nadu India
(31) Priority Document No	:NA	2)T.SURAMANIYAN
(32) Priority Date	:NA	3)DR.N.SUGUNA
(33) Name of priority country	:NA	4)DR.J.JAYA
(86) International Application No	:NA	5)PROF.T.BOOBALAN
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)DR.N.SUGUNA
(61) Patent of Addition to Application Number	:NA	2)DR.J.JAYA
Filing Date	:NA	3)PROF.S.GLADWIN MOSES STEPHEN
(62) Divisional to Application Number	:NA	4)MS.S.AKILA
Filing Date	:NA	5)MS.M.NANDHINI
		6)MS.R.RANJITHA
		7)MS.H.SOPHIA AGNUS

(57) Abstract :

One of the main concerns with our environment has been solid waste management which in addition to disturbing the balance of the environment also has adverse effects on the health of the society. The detection, monitoring and management of wastes is one of the primary problems of the present era. The traditional way of manually monitoring the wastes in waste bins is a complex, cumbersome process and utilizes more human effort, time and cost which is not compatible with the present day technologies in any way. To overcome this problem we have proposed an automatic real time intuitive trash management system. The proposed system would be able to automate the solid waste monitoring process and management of the overall collection process. The technologies that would be used in the proposed system are good enough to ensure the practical and perfect for solid waste collection process monitoring and management for green environment.

No. of Pages : 6 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201841013411 A

(19) INDIA

(22) Date of filing of Application :09/04/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : METAL GUARD

(51) International classification	:H01L 23/00	(71)Name of Applicant : 1)S.RAMACHANDRAN
(31) Priority Document No	:NA	Address of Applicant :18/7(NO:), KALLUKKARA STREET,
(32) Priority Date	:NA	THIRUNAGESHWARAM, TAMILNADU - 612204, INDIA
(33) Name of priority country	:NA	Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)S.RAMACHANDRAN
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

First you need to create threads of wires using stainless steel (EVERY SILVER) metal to create a web. The circumference of that web should be a pencil entry. Hence the air will get better. The web to be cut into the metal cutting machine, both front and back sides similarly the underwear.

No. of Pages : 8 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941017474 A

(19) INDIA

(22) Date of filing of Application :02/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : SYNTHESIS OF HYDROXYAPATITE NANOPARTICLES FROM EGGSHELL WITH SPRAY ASSISTED CONTINUOUS FLOW MICROWAVE REACTOR

(51) International classification

:C02F1/28

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

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:NA

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3)Dr.V Viswabaskaran

(72)Name of Inventor :

1)Dr. E K Girija

2)Dr Vivekanand S. Kattimani

3)Dr.V Viswabaskaran

(57) Abstract :

TITLE:SYNTHESIS OF HYDROXYAPATITE NANOPARTICLES FROM EGGSHELL WITH SPRAY ASSISTED CONTINUOUS FLOW MICROWAVE REACTOR • 7. Abstract An improved microwave reactor 100 for the large scale in situ

synthesis of medical grade hydroxyapatite (HAp) nanoparticle from eggshell biowaste by microwave heating is disclosed. The apparatus comprises a cavity 102, a reactor tube 104, a plurality of magnetrons 106, a control unit 112, an atomizer 116, a byproduct collector 110, an exhaust 115 for discharging the chemical wastes during the process and a sample collector 108. Before the microwave heating, CaCO₃ is extracted from the eggshell and converted into CaO via heating at 900 oC for 1 h in air atmosphere. The CaO is then dissolved in EDTA solution that acts as chelating agent is further mixed with phosphate reagent in such a way to get the Ca/P ratio as 1.67. The obtained reaction mixture is then processed in the microwave reactor 100 by charging it through the atomizer 116 in to the chamber into the reactor tube 104 to obtain the required HAp Nano particles in large scale. Figure associated with Abstract is FIG. 1

No. of Pages : 18 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941017991 A

(19) INDIA

(22) Date of filing of Application :06/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : ENHANCED PRODUCTION OF ANTI-SNAKE VENOM COMPOUND (TARAXEROL) FROM SUSPENSION CULTURES SYSTEMS OF EUPHORBIA HIRTA L

(51) International classification :A61K36/47
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)KARUNYA INSTITUTE OF TECHNOLOGY AND SCIENCES
Address of Applicant :KARUNYA NAGAR, COIMBATORE, TAMILNADU, INDIA, 641114 Tamil Nadu India
(72)Name of Inventor :
1)DAVID PAUL RAJ RS
2)PRATAP KUMAR G
3)DHAMAYANTHI M

(57) Abstract :

TITLE: ENHANCED PRODUCTION OF ANTI-SNAKE VENOM COMPOUND (TARAXEROL) FROM SUSPENSION CULTURES SYSTEMS OF EUPHORBIA HIRTA L • APPLICANT: KARUNYA INSTITUTE OF TECHNOLOGY AND SCIENCES ABSTRACT The present invention shall disclose a process of enhanced production of anti snake venom triterpenoid compound taraxerol m/z ratio 427.3 [M+H]⁺ from cell suspension cultures of Euphorbia hirta. The process comprises of following steps; a. collecting leaf explants of E. hirta and surface sterilized to remove Endophytic microflora to form contamination free leaf explants of E. hirta b. preparing a nutrient medium comprising of (Murashige and Skoog) supplemented with optimised concentration of growth hormones comprising of 2,4-D, NAA and BAP, maintained at a predetermined pH; c. inoculating the contamination free leaf explants of E. hirta of step(a) in nutrient medium of step(b) for predetermined period of time for callus induction to form high yielding callus cells; d. initiating cell suspension cultures from fresh, friable callus of the high yielding callus cells of step(c) into nutrient medium of step(b) for predetermined period of time; e. adding optimized amount of characterized Biotic elicitor, Yeast extract into the cell suspension cultures of step(d) and allowed to react for predetermined period of time for elicitation and extracting enhanced amount of secondary metabolite triterpenoid compound taraxerol m/z ratio 427.3 [M+H]⁺.

No. of Pages : 18 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941018166 A

(19) INDIA

(22) Date of filing of Application :07/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : DESIGN E-PATCH ANTENNA USING CST MICROWAVE STUDIO

(51) International classification	:H01Q1/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Mr.CH S SRINIVAS
(32) Priority Date	:NA	Address of Applicant :NO 1-10-7, TEMPLE ALWAL,
(33) Name of priority country	:NA	HYDERABAD, TELANGANA, SECUNDERABAD-500010.
(86) International Application No	:NA	Telangana India
Filing Date	:NA	2)Dr. Kantipudi MVV Prasad
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)Mr.CH S SRINIVAS
Filing Date	:NA	2)Dr. Kantipudi MVV Prasad
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Title: -Design of E-Patch antenna using CST Microwave Studio Rapid growth in the field of science and technology is highly appreciable due to the advancements in the field of Wireless technology. In recent days the design and development of antennas for various applications has grabbed attention and interest of various technocrats which is highly remarkable. This has led to the development of various techniques which has improvised the electrical parameters like Gain, Bandwidth, Directivity etc.. of the antennas. E-shape micro strip patch antenna with wideband operating frequency for wireless application, The shape will provide the broad bandwidth, which is required in various applications like remote sensing, biomedical application, mobile radio, satellite communication etc. This project aims to study various electrical performance parameters related to antennas and develop the E-shaped patch antenna which will operate for microwave applications. The entire design and analytical studies will be carried out in Computer Simulation Tool (CST). Further the fabrication will also be carried out for test and measurement purpose.

No. of Pages : 9 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941021238 A

(19) INDIA

(22) Date of filing of Application :29/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : A METHOD&NBSP;OF CONVERTING AUTO-RICKSHAW TO ALL WHEEL AUTOMATIC DRIVE

(51) International classification

:B60K23/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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3)UDKARSH. KC

4)SREYAS.P

(72)Name of Inventor :

1)ASWANTH. A.

2)ARSHAD.TV

3)UDKARSH. KC

4)SREYAS.P

(57) Abstract :

A method of converting auto- rickshaw to all wheel automatic drive wherein the power from engine to a pair of driving wheels, as when turning a corner or traversing an uneven road; the power output from the engine (1) is transmitted to the CVT (2) and the gear box control. The differential (4) a part of the power is transmitted to the front wheel through the sprocket chain (3) system, shaft (6), CV-axle (10), Front gear box (7) and the remaining power goes to the back wheel. The method of converting auto- rickshaw to all wheel automatic drive, the centers of the tyre(5), front gear box (7) and handle (8) lies in a straight line hence the control of the handle(8) becomes easy.

No. of Pages : 17 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941021343 A

(19) INDIA

(22) Date of filing of Application :29/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : THERMOELCTRIC HYDEL POWER SYSTEMAND METHOD EMPLOYED THEREOF

(51) International classification :H01L35/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)MOHD ABDUL MUQTADAR
4)MOHD SHAIS KHAN
(72)Name of Inventor :
1)MOHAMMAD RIZWAN SHAREEF
2)MOHAMMED MUSTAFA SHAREEF ROOMAN
3)MOHD ABDUL MUQTADAR
4)MOHD SHAIS KHAN

(57) Abstract :

Exemplary embodiments of the present disclosure are directed towards a thermoelectric hydel power system, comprising: a turbine rotates by water from a water resource and the turbine activates a hydroelectric power generator to generate the electric power, turbine is configured to direct the remnant steam to the hydroelectric power generator where the heat energy is utilized in converting it to electric power for minimizing the losses. A boiling water reactor, tube is configured to pass water from turbine to a boiling water reactor, reactor comprises a lanthanide series material configured to radiate heat as a result of magnetic field lines by permanent magnets, permanent magnets configured to sustain high heat capacity and with a large change in magnetization versus temperature at a constant and varying magnetic field and a gas chamber configured to direct gases to boiling water reactor to cool magnets for maintaining a strong magnetic field within reactor.

No. of Pages : 26 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941019154 A

(19) INDIA

(22) Date of filing of Application :14/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : "KRISHAK"-AN AUTONOMOUS IOT SYSTEM FOR FIELD MONITORING & DISEASE IDENTIFICATION USING DEEP LEARNI

(51) International classification	:A01B79/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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3)Mrs. Swathi Singh

4)Mr. Prateek Rathan

5)Dr. G.Usha

(72)Name of Inventor :

1)Mr. Ranjith Kumar MV

2)Dr. P.Madhavan

3)Mrs. Swathi Singh

4)Mr. Prateek Rathan

5)Dr. G.Usha

(57) Abstract :

Agriculture plays a very vital role in the Indian Economy. Over 70% of the rural households depend on agriculture. Agriculture is an important sector of the Indian Economy as it contributes about 17% to the total GDP and provides employment to over 60% of the population. Indian Agriculture has registered impressive growth over the last few decades. The food grain production has increased from 51 million tons (MT) in 1950-51 to 250MT during 2011-12 highest ever since Independence. With agriculture being the primary sector of employment, it is extremely essential and critical to create more productive procedures for farming related exercises. These days, most of the frameworks utilized for this are physically worked ones using the power imposed by Internet of Things (IOT). Here, we propose and provide an improvised semi-automated or fully automated framework combining the techniques of IOT, Deep Learning and Computer Vision.

No. of Pages : 10 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201947021051 A

(19) INDIA

(22) Date of filing of Application :28/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : COMPOSITIONS AND METHODS FOR THE TREATMENT OF ORAL INFECTIOUS DISEASES

(51) International classification :A61K31/00
(31) Priority Document No :201641040639
(32) Priority Date :28/11/2016
(33) Name of priority country :India
(86) International Application No :PCT/IB2017/052244
Filing Date :19/04/2017
(87) International Publication No :WO 2018/096405
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)KANDULA, Mahesh

(57) Abstract :

The invention relates to the compounds or its pharmaceutical acceptable polymorphs solvates enantiomers stereoisomers and hydrates thereof. The pharmaceutical compositions comprising an effective amount of compounds of formula I formula II formula III formula IV formula V formula VI formula VII formula VIII formula IX formula X formula XI and formula XII and the methods for the treatment of oral infectious diseases may be formulated for oral buccal rectal topical transdermal transmucosal lozenge spray intravenous oral solution buccal mucosal layer tablet parenteral administration syrup or injection. Such compositions may be used to treatment of oral infectious diseases.

No. of Pages : 112 No. of Claims : 54

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201841020166 A

(19) INDIA

(22) Date of filing of Application :30/05/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : A FRUGAL APPROACH FOR HEARING DEVICES

(51) International classification	:H04R25/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)ADITYA SINGH
(32) Priority Date	:NA	Address of Applicant :6/11, 4TH STREET, PADHMANABH
(33) Name of priority country	:NA	NAGAR, ADYAR, CHENNAI - 600 020. Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)ADITYA SINGH
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Using the process of ideation and heading to new gadget development which accompanies new aims with it at affordable 21st century demands. Aim is to make wearable stuff which can help deaf ones hear and also get an alternative to using normal earphones and headphones, that too at too much affordable cost. Hence, made a device that works on the principle of bone conduction in the human skull. By taking the instance of currently used audifono created a wearable for the human jaw to help deaf ones hear just by wearing the gadget and even it can be used by normal people also in place of earphones and headphones, to coordinate between the outside sound and the one of the media coming from the device connected with the wearable. Wearable consists of a Bluetooth feature to be connected with the any multimedia device for playback. Some already unleashed biological factors in human body specially the upper most part helps the wearable work, and is able to cope with the normal and differently abled humans, thus satisfy their needs.

Advantages: This process uses the cheapest materials and can be afforded by common peoples. Far cheaper in cost as compared to the devices used recently. Easy to handle and operate. Trouble shooting is not complicated.

No. of Pages : 12 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941009864 A

(19) INDIA

(22) Date of filing of Application :14/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : REAL TIME NITROGEN LEVEL MONITORING AND MANAGEMENT SYSTEM

(51) International classification	:A01C21/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1) BENNY THOMAS
(32) Priority Date	:NA	Address of Applicant :43/44, PB NO: 8707, 2ND FLOOR,
(33) Name of priority country	:NA	VELLALAR STREET, ADAMBAKKAM, CHENNAI-600 088,
(86) International Application No	:NA	TAMILNADU, INDIA. Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1) BENNY THOMAS
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

TheReal time nitrogen level monitoring and management system is the visual measurement method for determining the status of any field crops like rice, wheat, maze, cotton etc...This leaf color pattern has chips and holder containing the appropriate color shaded spectral characters of the said plant. This measuringReal time nitrogen level monitoring and management system contains arranged chips from four to twelve numbers according to the requirement of crops. By using this Real time nitrogen level monitoring and management system one can easily access and measure the plant growth using our method and understand the status of the crop as being deficient, critical or excessive. OurReal time nitrogen level monitoring and management system • is very simple cost effective and accurately.

No. of Pages : 20 No. of Claims : 1

(54) Title of the invention : SYNERGISTIC POTENCY OF TURMERIC AND CENTELLA ASIATICA ENTRAPPED IN POLYHYDROXY BUTYRATE (PHB) COMPOS

(51) International classification	:A61K36/00	(71) Name of Applicant :
(31) Priority Document No	:NA	1)Ram Narendran R
(32) Priority Date	:NA	Address of Applicant :Department of Biotechnology, Dr. G.R.
(33) Name of priority country	:NA	Damodaran College of Science, Coimbatore-641014, Tamilnadu,
(86) International Application No	:NA	India. Tamil Nadu India
Filing Date	:NA	(72) Name of Inventor :
(87) International Publication No	: NA	1)Ram Narendran R
(61) Patent of Addition to Application Number	:NA	2)Maleeka Begum S.F.
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Abstract Polyhydroxybutyrates (PHBs) are natural aliphatic polyester bacterial macromolecules that is synthesized and accumulated in bacteria as intracellular granules in response to nutritional limitation or the presence of excess carbon source in the growth environment. The PHB has molecular weight ranging from 50 - 1600 kDa. At present, over 300 PHA producers were identified including PHB. The mechanical property of PHB is alike the properties of conventional plastics like polypropylene. They are highly crystalline and have a tensile strength of upto 40 Mpa and low elongation to break compared to conventional plastic and this acquires attention in biodegradability. In most bacteria, the PHB is synthesized in three steps from acetyl -CoA, The main situation to PHB synthesis is that the constraint of oxygen which leads to lofty concentrations of NADH and restraining the enzymes of TCA cycle. In micro-organism the PHB is predominant energy storage and it is a product of carbon assimilation that is capable to transform into many forms and shapes. It has various structures with C=O stretch of the ester group and -CH stretch present in the molecular chain. These structures can be identified by FTIR. The PHB produced by many bacteria are crystalline in nature, thus various SEM analysis studies showed crystalline to amorphous porous structures of PHB. While visualizing under UV it has a peak at 235 nm. PHB with its unique properties like water insolubility, highly resistant to hydrolytic degradation, oxygen permeability, UV resistant, etc, differentiates it from other biodegradable plastics. PHB are produced by various bacterial species (like *Bacillus subtilis*, *Bacillus megaterium*, *Ralstonia eutropha*, *Alcaligenes latus*, *Pseudomonas boreopolis*, *Pseudomonas* spp, *Cupriavidus necator*, *Azotobacter vinelandii*, *Azotobacter chroococcum*, etc). PHBs are natural biopolymers with the unique property such as high biocompatibility with mammalian cells, tissues and organ and ability to biodegrade without any toxic byproducts. In medical field PHBs, were used in developing devices such as sutures, repair devices, repair patches, slings, cardiovascular patches, articular cartilage repair devices, adhesion barriers, stents, nerve guides, tendon repair devices, orthopedic pins, bone marrow scaffolds, and wound dressings (Chen et al, 2005). The monomers of hydroxybutyrate present in PHBs are ketone bodies which were also present in human and animals blood (Williams & Martin, 2005). PHBs are immunologically inert, biocompatible and have biodegradation capability, thus it can be used in artificial organ construction, also make it a good candidates for drug delivery with various molecular weight, tissue repair, and nutritional/therapeutic uses. The present study deals with the approach to use the PHB for wound healing impregnated with herbal plants turmeric and *Centella asiatica*. The leaf and rhizome of the turmeric were used along with *Centella asiatica* to make a composite film for healing wound in vivo in albino Wistar rats. NT OFFICE CHENNAI 10/06/2019 11=16

No. of Pages : 11 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941022591 A

(19) INDIA

(22) Date of filing of Application :07/06/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : SECURITY MODULE FOR BAGS

(51) International classification	:A45C13/18
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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Address of Applicant :Sri Venkateshwara College of
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157,India. Karnataka India

(72)Name of Inventor :

1)Swapna ch

2)Aadya Pan

3)Manish Bharat

(57) Abstract :

ABSTARCT: With mobiles or cell phones becoming fancier, more popular, and more expensive, they are increasingly liable to being stolen. Stealing of money and expensive things is also a very common problem while traveling at public places. A small module is developed such that it can be kept in any pocket of the bag. As soon as one is entering in public place they can switch on the module after this if anyone tries to place their hand inside the bag, the module will give a loud alarm that will grab the attention of everyone and the thief can be caught. When we are opening the bag through a small switch we can first close the device and then take things out. Touch sensor is interfaced with BC 547 to give signal and a buzzer is used for output. A 5v battery is used to give power backup. Thus this system is easy to install and use for the safety of our belongings.

No. of Pages : 8 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941022600 A

(19) INDIA

(22) Date of filing of Application :07/06/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : LARVICIDAL COMPOUNDS AND A PROCESS THEREOF

(51) International classification

:A01N25/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

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Address of Applicant :Working at Research Department of
Chemistry, Nehru Memorial College, Puthanampatti ,
Tiruchirappalli District Tamil Nadu India

2)Radhakrishnan SurendraKumar

(72)Name of Inventor :

1)Akbar Idhayadhulla

2)Radhakrishnan SurendraKumar

(57) Abstract :

Title: Larvicidal compounds and a process thereof The present disclosure is in relation to the synthesis of 2-pyrimidinamine core derivatives via green chemistry approach. The compounds of formula I of the disclosure have excellent larvicidal activity. In addition, the compounds of the invention can be formulated into a suitable formulation to kill the larvae.

No. of Pages : 29 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201931019518 A

(19) INDIA

(22) Date of filing of Application :17/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : PROGRESSIVE OPENING & DRAFTING SYSTEM THROUGH SERIES OF PINNED ROLLERS.

(51) International classification	:D01G99/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)HANS MACHINERIES PVT.LTD
(32) Priority Date	:NA	Address of Applicant :SATYEN BOSE ROAD, BANIPUR,
(33) Name of priority country	:NA	HOWRAH, WEST BENGAL -711304
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)SAMIK SETT
(87) International Publication No	:7	2)SWAPAN KUMAR SETT
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A progressive opening & drafting system for jute fibers through series of pinned rollers comprising of a rotating pair of fluted rollers configured for pushing forward the raw jute to the top of first pinned roller; a first pinned roller is having specific surface speed, pin angle, pin density, pin diameter, pin length & direction of rotation suitable to carry the jute from fluted roller to the second pin roller bottom pins; a second pin roller having fifteen to twenty percent higher surface speed than that of the first pin roller which allows partial opening & separation of fiber of the raw jute & pushes the jute forward to the top of the third pin roller; a third pin roller having fifteen to twenty percent higher surface speed than that of the second pin roller and provides further partial opening & separation of fibers of raw jute, wherein the number of rollers to be used for length/area of elongation & combing depends on the maximum fiber length available in the raw material.

No. of Pages : 24 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201931019618 A

(19) INDIA

(22) Date of filing of Application :17/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : ACTIVE DISH

(51) International classification

:G06Q50/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)SOMNATH ROY

Address of Applicant :S/O, LATE BISWANATH ROY,
VILL-SAHAJPUR, UTTAR PARA, P.O.-SAHAJPUR
HATTOLA, VIA-SHYAMSUNDAR, RAYNA, BURDWAN-
713424.

(72)Name of Inventor :

1)SOMNATH ROY

(57) Abstract :

The active dish is useful in consciously choosing the number of calories. The dish helps more better control. Circular dish can be used. Biscuits often served as snacks and active dish helps in more rational eating. The height of side walls of the dish acts as an indicator for high and low consumption of biscuits.

No. of Pages : 9 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201931019804 A

(19) INDIA

(22) Date of filing of Application :20/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : A LEAK-PROOF SEAL ASSEMBLY FOR A CONTAINER

(51) International classification	:B65D1/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TEYI, Nabam
(32) Priority Date	:NA	Address of Applicant :Department Of Mechanical
(33) Name of priority country	:NA	Engineering, North Eastern Regional Institute Of Science And
(86) International Application No	:NA	Technology, Deemed-To-Be-University, Nirjuli, Arunachal
Filing Date	:NA	Pradesh-791109, India.
(87) International Publication No	: NA	2)SINGH, Sandeep
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)TEYI, Nabam
(62) Divisional to Application Number	:NA	2)SINGH, Sandeep
Filing Date	:NA	

(57) Abstract :

The present disclosure provides a seal assembly for a container comprising two upper discs and two lower discs placed coaxially along a central vertical axis. The discs are so coupled that a force applied on a first upper disc is transmitted to a first lower disc, causing it to move towards a second lower disc. The upper discs are configured to be larger than the opening of the container, thereby being limited from entering the container. The lower discs are configured to enter the container. A rubber ring is provided between the two lower discs. When a force is applied at the first upper disc, ring gets compressed causing it to expand outwards radially from the centre of the disc and fill and annular space between the assembly and the inner surface of the container, resulting in a seal being formed.

No. of Pages : 22 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201931019829 A

(19) INDIA

(22) Date of filing of Application :20/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : A METHOD OF MANUFACTURING CUSTOMIZED HEALTH SUPPLEMENT

(51) International classification	:G06Q50/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SASTASUNDAR HEALTHBUDDY LIMITED
(32) Priority Date	:NA	Address of Applicant :PURBA SALEPUR,DR.NARMAN
(33) Name of priority country	:NA	BETHUN SARANI,P.O-BARUIPUR,KOLKATA-
(86) International Application No	:NA	700144,SOUTH 24 PARGANAS,WEST BENGAL.
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)ESHANI BHAUMIK
(61) Patent of Addition to Application Number	:NA	2)SHAMPA BANERJEE
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a method of manufacturing a customized health supplement. More particularly, the present invention relates to the method of manufacturing a customized health supplement which contains the raw materials comprise of rolled oats, sorghum and brown rice as the main cereals, almonds, protein derived from soy, products, milk and whey, low calorie sweetener, edible vegetable oil and additives.. Moreover this invention also relates to the a method of manufacturing a customized health supplement wherein the health supplement composition is easy to digest, have protective, preventive and health promotive properties for the good health and vigour of the females, pregnant and lactating mothers so as to ensure the optimal growth and development of the child both at prenatal and post natal stages.

No. of Pages : 45 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201831018875 A

(19) INDIA

(22) Date of filing of Application :21/05/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : EPM APPARATUS CAPABLE OF DETERMINING CLAMPING FORCE WITHOUT ADDITIONAL SENSORS FOR MEASURING MAGNETIC FLUX

(51) International classification	:B23Q3/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SHREE MAGNETS PRIVATE LIMITED
(32) Priority Date	:NA	Address of Applicant :81, SODEPUR BARASAT
(33) Name of priority country	:NA	ROAD,KOLKATA, WEST BENGAL, INDIA, 700110
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)UTTAM SARDA
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An EPM apparatus comprising of magnetic module (1) and controller (12) for determining clamping force between the workpiece (8) and working surface (2) is disclosed. The EPM apparatus operates on half-wave DC excitation pulses provided by the controller (12) and the said apparatus measures the amplitude of the magnetizing current pulses with respect to the reference values for ascertaining the clamping force generated between working face (2) and work piece (8) without using any conventional magnetic flux measuring equipment(s) fitted on the EPM module (1) itself.

No. of Pages : 16 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201931019887 A

(19) INDIA

(22) Date of filing of Application :20/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : A HERBAL EXTRACT FROM LYSIMACHIA CANDIDA FOR TREATMENT OF OBESITY AND RELATED HYPERGLYCEMIA AND A METHOD FOR ITS EXTRACTION

(51) International classification	:A61K36/00	(71)Name of Applicant : 1)TALUKDAR, NARAYAN C. Address of Applicant :LIFE SCIENCE DIVISION INSTITUTE OF ADVANCED STUDY IN SCIENCE AND TECHNOLOGY (IASST) AN AUTONOMOUS R & D INSTITUTE OF DEPARTMENT OF SCIENCE & TECHNOLOGY, GOVT. OF INDIA VIGYAN PATH, PASCHIM BORAGAON, GARCHUK GUWAHATI - 781 035, ASSAM, INDIA
(31) Priority Document No	:NA	2)BANERJEE, SANJAY K.
(32) Priority Date	:NA	(72)Name of Inventor :
(33) Name of priority country	:NA	1)BARGE, SAGAR R.
(86) International Application No	:NA	2)KASHYAP, BHASWATI
Filing Date	:NA	3)DEKA, BARSHA
(87) International Publication No	: NA	4)BHARADWAJ, SIMANTA
(61) Patent of Addition to Application Number	:NA	5)SAIKIA, SHILPI
Filing Date	:NA	6)KANDIMALLA, RAGHURAM
(62) Divisional to Application Number	:NA	7)DUTTA, PARTHA PRATIM
Filing Date	:NA	8)HAZARIKA, ANKITA
		9)GHOSH, APARAJITA
		10)SAMANTA, SUMAN K.
		11)BORAH, JAGAT C.
		12)KUMAR, YASHWANT
		13)GOEL, RENU
		14)KUMAR, AJAY
		15)BANERJEE, SANJAY K
		16)TALUKDAR, NARAYAN CHANDRA

(57) Abstract :

The present invention provides a method for obtaining methanol extract of Lysimachia candida (L. Candida) whole plant without root for treatment of obesity and related hyperglycemia comprising the following steps: (i) collecting Lysimachia candida whole plant without root washing the same to remove the dirt and other foreign materials., removing the excess water and drying the plant material under shade at room temperature for 7 days, (ii) grinding the dried plant material in to coarse powder using blender, (iii) macerating dried plant powder with sufficient volume of analytical grade methanol at 25 ± 2 °C for about 72 hours, (iv) removing methanol from the extraction mixture, (v) keeping the resultant extract at -80 °C overnight, (vi) lyophilizing the extract the next day morning to remove any traces of water and storing the L. candida extract at -20 °C and thawed before use for treating obesity and related hyperglycemia.

No. of Pages : 21 No. of Claims : 3

(54) Title of the invention : METHOD FOR SELECTING A FORWARDING VEHICLE FOR MULTI-HOP ROUTING IN URBAN VANETS

(51) International classification :H04W4/40
 (31) Priority Document No :NA
 (32) Priority Date :NA
 (33) Name of priority country :NA
 (86) International Application No :NA
 Filing Date :NA
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)MR. CHINMOY GHORAI

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2)MR. SWAPAN SHAKHARI

3)MS. ARPITA DEBNATH

4)DR. INDRAJIT BANERJEE

(72)Name of Inventor :

1)MR. CHINMOY GHORAI

2)MR. SWAPAN SHAKHARI

3)MS. ARPITA DEBNATH

4)DR. INDRAJIT BANERJEE

(57) Abstract :

A method for selecting a first forwarding vehicle from a plurality of vehicles by a source vehicle in an urban vehicular ad-hoc network (VANET) is disclosed. The method comprising: initiating a process of routing in the source vehicle when data is available for dissemination towards a destination vehicle (101), initializing a plurality of inputs of an on-board unit of the source vehicle (102), selecting a plurality of neighboring vehicles present within a transmission range of the source vehicle (103), identifying a plurality of prospective neighboring vehicles out of the plurality of neighboring vehicles, determining at least two optimal neighboring vehicles out of the plurality of prospective neighboring vehicles (111); and selecting a neighboring vehicle having best link quality with the source vehicle (112). The present invention also discloses a method executed by a forwarding vehicle (126) in an urban VANET for multi-hop routing of data packets, the method comprising: storing a data packet received either from a source vehicle (120) or from a previous forwarding vehicle (125), selecting either a next forwarding vehicle (127) or a destination vehicle (132) out of a plurality of neighboring vehicles; and sending the data packet either to the next forwarding vehicle or to the destination vehicle.

No. of Pages : 27 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201931016735 A

(19) INDIA

(22) Date of filing of Application :26/04/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : AN AIR CONDITIONING SYSTEM AND A METHOD THEREOF

(51) International classification	:F24F5/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Badsa Khan
(32) Priority Date	:NA	Address of Applicant :At- Matabad, Post- Kamagard, Via-
(33) Name of priority country	:NA	Panikoili, Dist- Jajpur, Pin- 755043, Odisha, India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Badsa Khan
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An air conditioning system and a method thereof is provided. The method includes compressing a refrigerant received via a compressor inlet of a compressor. The method also includes receiving a compressed refrigerant via an expander inlet of an expander from a compressor outlet and expanding a received compressed refrigerant adiabatically by the expander. The method also includes releasing expanded refrigerant into an expansion valve by an expander outlet of the expander and lowering pressure from the expanded refrigerant by the expansion valve. The method also includes enabling low pressured refrigerant to absorb heat from the surrounding air by an evaporator, thereby releasing cooled air into the surrounding. The method provides for lowering the temperature of the refrigerant at evaporator, thereby adiabatically expanding the compressed refrigerant up to 90%.

No. of Pages : 20 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201931019012 A

(19) INDIA

(22) Date of filing of Application :13/05/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : A TIME WARP AND FREE ENERGY MACHINE

(51) International classification	:G10L19/00	(71) Name of Applicant :
(31) Priority Document No	:NA	1)GAUTAM NARAYAN BARUAH
(32) Priority Date	:NA	Address of Applicant :264,NEMATI
(33) Name of priority country	:NA	ROAD,BORIGAON,WARD NO.19,HOLDING
(86) International Application No	:NA	NO.702,JORHAT-785001,ASSAM,INDIA
Filing Date	:NA	(72) Name of Inventor :
(87) International Publication No	: NA	1)GAUTAM NARAYAN BARUAH
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A time warp and free energy machine has weight of body sliding on inclined plane IP1 and IP2 that rotates on fulcrum F1 and F2 and the direction of force on the axis of rotation is changed and multiplied. The two inclined plane gets lifted up by a reference frame dependent force as they come closer to each other in the midline and tends to distend elastic E1 and E2 perpendicular to the direction of the applied force without tilting with respect to the horizontal due to active tension on string S that connect vertical limb A and B of the incline plane. The weight of a body resting on a solid plane horizontal surface not supported even at the position of rest is increased by this mechanism then in patent application 201833014195A as in figure 1 with compression of space time below the surface and expansion of space time above it.

No. of Pages : 28 No. of Claims : 2

Publication After 18 Months:

The following Patent Applications have been published under Section 11A (3) of The Patents (Amendment) Act, 2005. Any Person may file representation by way of opposition to the Controller of Patents at the appropriate office against the grant of the patent in the prescribed manner under section 25(1) of the Patents (Amendment) Act, 2005 read with the rule 55 of The Patents (Amendment) Rules, 2006:

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711035863 A

(19) INDIA

(22) Date of filing of Application :10/10/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : SAFECASE PROCESS

(51) International classification

:G21C19/40

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)Gaurav Sharma

Address of Applicant :FC-95, Tagore Garden, New Delhi -
110027, INDIA Delhi India

(72)Name of Inventor :

1)Gaurav Sharma

(57) Abstract :

Described is a secure, electronic, submission process providing and enabling applicants to initiate requests to desirous requestors seeking such submissions based on authenticated and trusted identities and / or credentials or which could be authenticated securely through other defined processes. SafeCase is an innovative process for convenience, ease and security in application submissions for anyone and everyone through an electronic interface that has been built innovatively on the strong foundations of Identity Management, giving irrevocable and irrefutable trust on the Identity and / or credentials and / or the purpose that an applicant is applying for or wishes to achieve. SafeCase is an end -to - end secure and transparent interface, wherein the applicant (i.e. the Candidate) utilizes his / her Authenticated Credential (s) or Identity (ies) to submit an application. The applicant remains updated in real time on the status of the submitted application till its final disposal. On the other hand, the Requestor securely receives the said application and gets further updated if and when there is any change to the said submitted identity or credentials thereof.

No. of Pages : 23 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711035900 A

(19) INDIA

(22) Date of filing of Application :10/10/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : PREPARATION OF SACUBITRIL AND ITS PHARMACEUTICAL ACCEPTABLE SALTS THEREOF

(51) International classification	:A61K31/216	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MANKIND PHARMA LTD
(32) Priority Date	:NA	Address of Applicant :208, OKHLA INDUSTRIAL ESTATE
(33) Name of priority country	:NA	PHASE III NEW DELHI-110020, INDIA Delhi India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)SHARMA. CHAND KAMAL
(87) International Publication No	: NA	2)CHATURVEDI, VIVEK
(61) Patent of Addition to Application Number	:NA	3)BHASHKAR, BHUWAN
Filing Date	:NA	4)KUMAR, ANIL
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to the process of preparation of sacubitril and pharmaceutical acceptable salts thereof. Formula I The present invention further relates to the purification of sacubitril and its sodium salt and use of said sacubitril and/ or its pharmaceutical acceptable salt in preparation of valsartan-sacubitril complex and salts thereof.

No. of Pages : 27 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711035901 A

(19) INDIA

(22) Date of filing of Application :10/10/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : EXTENDED RELEASE PHARMACEUTICAL COMPOSITION OF APREMILAST

(51) International classification	:A61K31/44	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MANKIND PHARMA LTD
(32) Priority Date	:NA	Address of Applicant :208, OKHLA INDUSTRIAL ESTATE
(33) Name of priority country	:NA	PHASE III NEW DELHI-110020, INDIA Delhi India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)JAIN, VIVEK
(87) International Publication No	: NA	2)SANGWAL, RAJESHWAR
(61) Patent of Addition to Application Number	:NA	3)NARASIMHA M, P.V.S
Filing Date	:NA	4)KUMAR, ANIL
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to an extended release oral pharmaceutical composition comprising a core, wherein the core comprises apremilast or pharmaceutically acceptable salts, ester, solvates, polymorphs thereof, at least one extended release polymer and one or more pharmaceutically acceptable excipients, wherein the core is optionally coated with a film coating composition. The composition of the invention can be used for the treatment of psoriasis, psoriatic arthritis.

No. of Pages : 28 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711035902 A

(19) INDIA

(22) Date of filing of Application :10/10/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : NOVEL PROCESS FOR THE PREPARATION OF LIFITEGRAST

(51) International classification	:C07D217/06	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MANKIND PHARMA LTD
(32) Priority Date	:NA	Address of Applicant :208, OKHLA INDUSTRIAL ESTATE
(33) Name of priority country	:NA	PHASE III NEW DELHI-110020, INDIA Delhi India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)BHAVSAR, JIGAR TARUN KUMAR
(87) International Publication No	: NA	2)TIWARI RAKESH
(61) Patent of Addition to Application Number	:NA	3)BHASHKAR, BHUWAN
Filing Date	:NA	4)KUMAR, ANIL
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a novel process for the preparation of lifitegrast of Formula I. The present invention further provides a novel process for the purification of lifitegrast of Formula I. Formula I.

No. of Pages : 28 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711035927 A

(19) INDIA

(22) Date of filing of Application :10/10/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : PATIENT CARE INFORMATION AND MONITORING SYSTEM AND METHOD THEREOF

(51) International classification	:A61B5/0031
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)Mistry, Viren Pramodray

2)JAJAL, Ketan

3)OBEROI Dashmeet

4)ANANTHARAMAN Dushyant

(57) Abstract :

A patient monitoring system includes a patient support apparatus. The patient support apparatus includes an intermediate frame. The intermediate frame may include a plurality of planks with each plank having two face sheets and a core layer disposed between the two face sheets. Load cells are disposed within the core layer between the two face sheets and configured to generate signals responsive to load supported by the intermediate frame. A control module receives the signals from the load cells and generates signals to an output module such as a display to indicate to a caregiver a current load supported by the intermediate frame.

No. of Pages : 46 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711035997 A

(19) INDIA

(22) Date of filing of Application :10/10/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : REAR FENDER SUPPORTING STRUCTURE OF A VEHICLE

(51) International classification	:B60J7/148
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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Address of Applicant :34 Community Center, Basant Lok,
Vasant Vihar New Delhi Delhi India 110057 Delhi India
(72)**Name of Inventor :**
1)THOMAS WILLIUM LEVELLYN
2)NILESH PILKHANE
3)RAVINDER
4)SAHARASH KHARE

(57) Abstract :

A vehicle (100) is provided. The vehicle (100) comprises a frame (1) having a left seat frame (24a), a right seat frame (24b) and a bridge (26). The vehicle (100) also comprises a fender sub assembly (60) coupled to the frame (1). The fender sub assembly (60) comprises a rear fender (14) and a rear fender supporting structure (50) coupled to the rear fender (14). The rear fender supporting structure (50) comprises a left supporting member (52a), a right supporting member (52b) and an intermediate member (51). The intermediate member (51) is disposed between the left supporting member (52a) and the right supporting member (52b). The left supporting member (52a), the right supporting member (52b) and the intermediate member (51) are integrated to one another. Ref; Figure 9a

No. of Pages : 24 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711036003 A

(19) INDIA

(22) Date of filing of Application :10/10/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : A SEISMIC VIBRATION DAMPING ASSEMBLY AND SYSTEM

(51) International classification	:E04H9/02	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Indian Institute of Technology, Roorkee
(32) Priority Date	:NA	Address of Applicant :Roorkee - Haridwar Highway, Roorkee
(33) Name of priority country	:NA	- 247667, Uttarakhand, India. Uttarakhand India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)SHRIKHANDE, Manish
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure relates to a vibration damping assembly 100 for damping seismic vibrations experienced by a structure, the assembly 100 including at least one vertical member 104 fastened to one or more horizontal members 102, wherein fastening of any two members out of the at least one vertical member 104 and the one or more horizontal members 102 provides one or more first frictional interfaces, a plurality of inclined members 106 fastened to the one or more horizontal members 102, wherein fastening of any two members out of the plurality of inclined members 106 and the one or more horizontal members 102 provides one or more second frictional interfaces, and wherein at each of the one or more first and second frictional interfaces, one or more frictional members 110 are arranged between the two members to dampen seismic vibrations during relative motion of the two members.



No. of Pages : 27 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711036096 A

(19) INDIA

(22) Date of filing of Application :11/10/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : NON-METALLIC BIFUNCTIONAL NANOCATALYST FOR SUSTAINED ELECTROCHEMICAL OXYGEN EVOLUTION AND REDUCTION

(51) International classification	:B01J21/18	(71)Name of Applicant :
(31) Priority Document No	:NA	1)COUNCIL OF SCIENTIFIC AND INDUSTRIAL
(32) Priority Date	:NA	RESEARCH
(33) Name of priority country	:NA	Address of Applicant :ANUSANDHAN BHAWAN 2 RAFI
(86) International Application No	:NA	MARG NEW DELHI-110001 INDIA Delhi India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)KALIAPERUMAL SELVARAJ
(61) Patent of Addition to Application Number	:NA	2)ZINOY MANAPPADAN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a non-metallic bifunctional nano catalyst comprising hydroxyapatite on reduced graphene oxide for sustained electrochemical oxygen evolution and reduction and a process for preparation thereof.



No. of Pages : 29 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711036302 A

(19) INDIA

(22) Date of filing of Application :12/10/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : PACKAGING BOX WITH INBUILT MATCHCASE

(51) International classification	:G11B20/0021	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CHOPRA, Apoorv
(32) Priority Date	:NA	Address of Applicant :H-284, SHASTRI NAGAR, MEERUT,
(33) Name of priority country	:NA	UTTAR PRADESH 250005 Uttar Pradesh India
(86) International Application No	:NA	2)BATHLA, Nishant
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)CHOPRA, Apoorv
(61) Patent of Addition to Application Number	:NA	2)BATHLA, Nishant
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention discloses a packaging with inbuilt matchcase with a double opening in it namely one for matches in the match case which is placed inside the top cavity on the top of the box and the second opening is the flip top opening that contains the spaces for the consumer product like cigarettes , incense sticks , coils etc. on the opening of the flip top box the striking surface for lighting the matches which is fixed with the collar portion that supports the flip top box to open and close properly. This box is designed such that the striking surface and the match case is concealed when the box is closed and looked from the front side of the box.



No. of Pages : 14 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711036319 A

(19) INDIA

(22) Date of filing of Application :12/10/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : CHEMICAL PROCESSES UTILISING CARBONDIOXIDE AS A SOURCE OF CARBON

(51) International classification	:C21B13/14	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Translational Health Science and Technology Institute
(32) Priority Date	:NA	Address of Applicant :NCR Biotech Science Cluster, 3rd
(33) Name of priority country	:NA	Milestone, Faridabad-Gurgaon Expressway, Faridabad-121001,
(86) International Application No	:NA	Haryana, India; Haryana India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)Dinesh Mahajan
(61) Patent of Addition to Application Number	:NA	2)Varun Kumar
Filing Date	:NA	3)Anil Rana
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a method for fixing carbon dioxide gas as a carbonyl compound represented by formula (3) as depicted by Figure 1 and comprising, purging of carbon dioxide in a solution of a nucleophile represented by the formula (1) in presence of a solvent at a temperature ranging from - 40 Degree Celsius to 35 Degree Celsius, followed by adding a reagent at temperature ranging from -40 degree to 35 degree and thereafter adding another nucleophile represented by the formula (2) to obtain carbonyl compound represented by formula (3). The present invention can be advantageously used to obtain commercially important carbonyl compounds and clean unwanted carbon dioxide gas from the atmosphere and industrial effluents.

No. of Pages : 24 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711042287 A

(19) INDIA

(22) Date of filing of Application :24/11/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : A SYSTEM AND A METHOD FOR VALIDATION OF MOLD FILING

(51) International classification	:G06F8/65	(71)Name of Applicant :
(31) Priority Document No	:NA	1)LG ELECTRONICS INC.
(32) Priority Date	:NA	Address of Applicant :20 Yeouido-dong, Yeongdeungpo-gu,
(33) Name of priority country	:NA	Seoul 150-721, Republic of Korea Republic of Korea
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)SINGH SIMRANJIT
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A system (100) and a method (200) of validation of mold filing is provided. The system (100) comprises a machine (102) including a processing unit (104), a computer readable memory (108), and a display (106); a probe (110) in an electronic communication with the processing unit (102) of the machine (100); a fresh product (112) for performing validation of mold filing; and a set of instructions for performing validation of mold filing of the fresh product (112) stored in the computer readable memory (108). The processing unit (102) executes the set of instructions by automating a process of collection of a plurality of nodes using the probe (110) over all edges of the fresh product (112) and generating an associated graphical representation over the display (106).

No. of Pages : 17 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711042352 A

(19) INDIA

(22) Date of filing of Application :26/11/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention :SYSTEM AND METHOD FOR RAISING FUNDS VIA CHATBOTS ON A MOBILE PLATFORM\

(51) International classification	:G06Q20/207	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Milaap Social Ventures Pte Limited
(32) Priority Date	:NA	Address of Applicant :Blk 79 Ayer Rajah Crescent #04-08
(33) Name of priority country	:NA	Singapore Singapore
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Vaibhavi Gangwar
(87) International Publication No	: NA	2)Shireesh Anjal
(61) Patent of Addition to Application Number	:NA	3)Mayukh Choudhury
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A system and method of setting up a fund raising campaign via chatbots operating on a mobile platform is provided. Also is provided, a method of enabling users to collect funds for a plurality of causes easily and efficiently via their mobile phones through a conversational interaction with a chatbot for providing a set of pre-defined information.



No. of Pages : 13 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711042353 A

(19) INDIA

(22) Date of filing of Application :27/11/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : SYSTEM AND METHOD OF DATA WAREHOUSING AND DELIVERY

(51) International classification

:G06Q10/04

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)OM PRAKASH DHAWAN

Address of Applicant :H-15, Model Town 1st, Sri Ganganagar,
Rajasthan, India Rajasthan India

(72)Name of Inventor :

1)OM PRAKASH DHAWAN

(57) Abstract :

A method is disclosed that comprises placing order of one or more items by a first party via a specific online portal; and delivering the ordered one or more items by a second party via the portal.

No. of Pages : 30 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711042376 A

(19) INDIA

(22) Date of filing of Application :27/11/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : AUTOMATIC BIKE STAND

(51) International classification	:B62H3/08	(71)Name of Applicant :
(31) Priority Document No	:NA	1)RAVI KUMAR
(32) Priority Date	:NA	Address of Applicant :33 A MODEL COLONY, NEAR CITY
(33) Name of priority country	:NA	HOSPITAL, JAWAHAR NAGAR SRI GANGANAGAR,
(86) International Application No	:NA	RAJASTHAN-335001, INDIA Rajasthan India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)RAVI KUMAR
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The automatic bike stand assembly makes rider carefree from lifting their bike's side stand. As the rider starts our bike and apply gear to get motion, side stand uplift by itself. The automatic bike stand enables automatic side stand lift up. Gear pedal get locked in applied condition. The automatic bike stand resist bike to fall down if any unintentional push is given to bike from behind in standing position. To uplift the stand rider just have to push gear pedal which however must to get in motion. By doing so PART 8 slides into the groove (on gear pedal) and gives rotatory motion to PART 6, on other side of it part 9 slides below part 3 and lift it by some amount. As part 3 lift upward, part 13 released and stand goes back to its previous position by spring action.



No. of Pages : 11 No. of Claims : 2

(54) Title of the invention : METHOD AND SYSTEM FOR ACTIVITY RECORDING, VISUALISATION AND ANALYSIS FOR IDENTIFIED SEGMENTS OF FOREST

(51) International classification :G06K9/00771
 (31) Priority Document No :NA
 (32) Priority Date :NA
 (33) Name of priority country :NA
 (86) International Application No :NA
 Filing Date :NA
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH

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2)AKULA NAGA VARA APARNA

3)SARKAR SIDDHARTHA

4)VAJPEYI ANIRUDH

5)SARDANA HARISH KUMAR

6)KUMAR SATISH

7)GOAP AMARENDRA

(57) Abstract :

The present invention relates to an intelligent framework for seismic activity monitoring in a defined geographical area of a forest that is capable of visualisation, analysis, multi-level actuations and information broadcasting to a number of multi-type user bases, wherein, intelligent framework for real-time seismic activity monitoring is accomplished using at least one edge computing platform and an analytics server enabled with artificial intelligence; wherein, the real-time seismic activity monitoring comprises of at least one of the methods, detection; tracking; localisation; categorisation of activities caused due to movement of one or more target seismic sources such as animals, humans and vehicles; wherein information to be broadcasted can be data, statistics, inference, warning, etc.; wherein information broadcasting is through at least one of the dissemination methods, audio-visual alert; short message service; electronic mail; push notification; wherein the users belong to at least one of the user groups, forest officials; security forces; traffic management personnel; railway operators or officials; people residing in the nearby vicinity; commuters in that region.



No. of Pages : 30 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711043868 A

(19) INDIA

(22) Date of filing of Application :07/12/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : LOW PRESSURE ATOMIZER NOZZLE

(51) International classification

:F01K15/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

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Address of Applicant :415, Aggarwal Prestige Mall,
Pitampura, Delhi- 110034 Delhi India

(72)Name of Inventor :

1)Tushar Gulati

(57) Abstract :

ABSTRACT LOW PRESSURE ATOMIZER NOZZLE The invention relates to a low pressure atomizer nozzle (130) with spray mode and mist mode respectively. The nozzle (130) fits into already existing tap heads as attachment in order to reduce the amount of water wastage in day to day life. The stationary water rotating device (430) of the nozzle (130) results in overall lower vibrations and lower noise during the usage. Fig. 4



No. of Pages : 20 No. of Claims : 8

(54) Title of the invention : A MECHANISM FOR CONTROLLING CONSISTENCY OF A REMOTE-CONTROLLED PROJECTILE LAUNCHING SYSTEM

(51) International classification :F41G5/18
 (31) Priority Document No :NA
 (32) Priority Date :NA
 (33) Name of priority country :NA
 (86) International Application No :NA
 Filing Date :NA
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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2)VADIVEL BALAGURU

3)GOVINDASWAMY SRINIVASAN

4)ANANDA PRAMANIK

5)KOVILPITCHAI SOOSAIMUTHU

6)MANICKAVASAGOM SUNIL

7)GOVINDAN UMAPATHY

(57) Abstract :

A mechanism for controlling consistency of a projectile launching device in a remote-controlled projectile launching system is disclosed. The mechanism comprises at least one bracket connectable to a cradle of a mount of the projectile launching device. At least one support member is connected on a top surface of the at least one bracket, and is configured to support a gas port assembly of the projectile launching device. At least one fastening member is fastened to at least one bracket and extends from the bottom surface up to the top surface to contact at least one support member, such that, at least one support member is displaced corresponding to actuation of the at least one fastening member. This, ensures contact between at least one support member and the gas port assembly, thereby supporting the projectile launching device and controls consistency of the projectile launching device. Figure 1



No. of Pages : 19 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711043986 A

(19) INDIA

(22) Date of filing of Application :07/12/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : VEHICLE NAVIGATION

(51) International classification	:G01C21/3632
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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Address of Applicant :Abbey Road Whitley Coventry
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(72)**Name of Inventor :**
1)Sai Chaitanya Pinni

(57) Abstract :

ABSTRACT VEHICLE NAVIGATION A vehicle navigation apparatus comprising: a receiver; a processor; a display; and a memory having mapping data; wherein: the vehicle navigation apparatus is configured, by the processor: to determine a first location of a vehicle to which the vehicle navigation apparatus is connectable, in dependence of a first signal receivable by the receiver and the mapping data stored in the memory; to determine a third partys location in dependence on a second signal receivable by the receiver and the mapping data stored in the memory; to determine a destination in dependence on at least one known location stored in the mapping data, wherein the determined destination is different from the third partys location; to determine a route from the first location to the determined destination; and to indicate the route from the first location to the determined destination by the display, thereby to enable vehicle navigation from the first location to the determined destination.



No. of Pages : 27 No. of Claims : 36

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711043997 A

(19) INDIA

(22) Date of filing of Application :07/12/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : NAVIGATION SYSTEM FOR AN AUTONOMOUS TERRESTRIAL VEHICLE

(51) International classification	:G08G1/202	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Indian Institute of Technology, Roorkee
(32) Priority Date	:NA	Address of Applicant :Roorkee - Haridwar Highway, Roorkee
(33) Name of priority country	:NA	- 247667, Uttarakhand, India. Uttarakhand India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)GHOSH, Jayanta Kumar
(87) International Publication No	: NA	2)RAM, Sharwan
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A navigation system for an autonomous terrestrial vehicle (ATV) using an inertial measurement unit with magnetometers and yet retaining its accuracy even in presence of magnetic objects is disclosed. The system has an inertial measurement unit (IMU) comprising at least a gyro sensor and a magnetometer; and an optical odometer, wherein in presence of magnetic objects as determined by magnetometer data above a pre-determined threshold value, the system is adapted to use gyros rates along with displacement information provided by the optical odometer to provide magnetic distortion free heading. The system further includes a GNSS receiver to receive position data of the ATV. Optical odometer data is used to minimize drift present in gyro measurements in z-axis (yaw) and for position data when the GNSS receiver signals get obstructed, while only gyros data is considered when the displacement information slippage exceeds a pre-determined slippage threshold value.



No. of Pages : 28 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711042108 A

(19) INDIA

(22) Date of filing of Application :23/11/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : PHARMACEUTICAL COMPOSITION COMPRISING TETROFOSMIN AND PHARMACEUTICALLY ACCEPTABLE SALTS THEREOF

(51) International classification :A61K51/0478
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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Address of Applicant :D-12, Sector 59, Noida 201 301, Uttar Pradesh India Uttar Pradesh India

(72)Name of Inventor :

1)PRASAD, Umamaheshwar M

2)SOHI, Harmik

3)HASIJA, Rahul

4)K K, Vijaya Raj

5)AGARWAL, Ashutosh

6)MEHTA, Kamal S.

7)VIR , Dharam

8)KUMAR, Dinesh

(57) Abstract :

The present invention relates to a stable pharmaceutical composition of tetrofosmin or pharmaceutically acceptable salts thereof. It also relates to a lyophilized non-radioactive kit which upon reconstitution with 99mTc -pertechnetate solution gives a stable 99mTc-tetrofosmin radiopharmaceutical composition. It also provides process for the preparation of said radiopharmaceutical compositions and their use in diagnostic imaging procedures. The compositions provide desirable technical attributes such as stability, high radiochemical purity (RCP) and desired bio-distribution.

No. of Pages : 30 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711042109 A

(19) INDIA

(22) Date of filing of Application :23/11/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : POLYPROPYLENE COMPOSITES AND METHOD FOR PREPARATION THEREOF

(51) International classification	:D21H21/22	(71)Name of Applicant :
(31) Priority Document No	:NA	1)INDIAN INSTITUTE OF TECHNOLOGY DELHI
(32) Priority Date	:NA	Address of Applicant :Hauz Khas, New Delhi Delhi India
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)GHOSH, Anup K.
Filing Date	:NA	2)BANERJEE, Debjyoti
(87) International Publication No	: NA	3)DUTTA, Anindya
(61) Patent of Addition to Application Number	:NA	4)ISLAM, Ehteshamul
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention generally relates to 3D printable composition. More particularly, the present invention relates to a dynamically vulcanized composition suitable for 3D printing and method for preparing the said composition. The present 3D printable compositions have improved flow, are dimensionally stable, with enhanced mechanical properties and eliminate the problems of shrinkage and inter-layer adhesion.

No. of Pages : 21 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711042171 A

(19) INDIA

(22) Date of filing of Application :24/11/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : DOOR STOPPER AND ITS MECHANISM

(51) International classification :E05B53/005
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)RAKESH KUMAR

Address of Applicant :STUDENT, DEPARTMENT OF
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Punjab India

2)VIDYADHAR BISWAL

(72)Name of Inventor :

1)RAKESH KUMAR

2)VIDYADHAR BISWAL

(57) Abstract :

The present invention discloses a simple door stopper comprising of cam (2), foot lever (6a&6b) and spring (10a&10b) force mechanism for securely locking the door (14) at any angular position as desired. The door locking mechanism operates in such a way that it strongly restricts the movement of door (14) on both sides by its locking operation. It uses cuboidal shape rubber pad (5) having increased surface area therefore increasing friction force against the movement of door (14). The mechanism has mechanical advantage thus reducing human effort due to large size of foot lever (6a&6b) exerting large force against rubber pad (5) with respect to small force applied on foot lever (6b) by foot of user avoiding requirement of separate force by hand to lock or unlock the door thus reducing human effort because locking and unlocking is done by foot only.



No. of Pages : 21 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711042201 A

(19) INDIA

(22) Date of filing of Application :24/11/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : A NOVEL PROCESS FOR THE PREPARATION OF THIN FILM COMPOSITE NANOFILTRATION MEMBRANE

(51) International classification :B01D39/16
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH
Address of Applicant :ANUSANDHAN BHAWAN 2 RAFI MARG NEW DELHI-110001, INDIA Delhi India
(72)**Name of Inventor :**
1)JEWRAJKA SURESH KUMAR
2)TRIVEDI JALADHI SANJAY KUMAR
3)BHALANI DIXIT VINUBHAI

(57) Abstract :

Thin film composite nanofiltration membrane and process for the preparation of thin film composite (TFC) nanofiltration (NF) membranes via the interfacial polymerization (IP) between polyethylenimine (PEI) (0.01-0.3%) w/v in water) and trimesoyl chloride (TMC) (0.01 to 0.05%), w/v in hexane) on top of the support membrane has been revealed. The charge and ionic solute rejection performance of the membranes can be modulated by varying the concentration of PEI used. The prepared membranes showed high rejection (55-84%>) of bivalent anion (Na₂SC₄) and relatively low rejection (30-70%>) of bivalent cation (MgCb) when the PEI concentration was in the range 0.01-0.05%), w/v. The rejection of Na₂SC₄ and MgCb by the membranes was almost similar (78-82%>) at PEI concentration 0.1%>. The rejection (80-83%>, w/v) of MgCb was greater than the rejection {11-19%) of Na₂SC₄ when the concentration of PEI was in the range of 0.2-0.3%, w/v.

No. of Pages : 22 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711042254 A

(19) INDIA

(22) Date of filing of Application :24/11/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : SYSTEM AND METHOD FOR OPERATING SOLAR PUMPING STATIONS

(51) International classification	:Y02P90/02	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Delta Electronics India Private Limited
(32) Priority Date	:NA	Address of Applicant :Plot No. 43, Sector-35, industrial Estate,
(33) Name of priority country	:NA	Gurugram, Haryana, Pincode - 122201 Haryana India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Bhupinder Kumar Bhayana
(87) International Publication No	: NA	2)Sumit Aggarwal
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A solar pumping system and a method for operating solar pumping system, the system comprises plurality of solar modules, at least one VFD comprising at least one convertor, at least one switching device connected to the solar module and the VFD and at least one AC motor connected to the output supply of the VFD. The switching device controls the supply of DC power transmitted to the VFD based on the input received from a controller of the VFD by varying the output voltage in accordance with the load requirement of the AC motor. The method comprising the steps of controlling the supply of voltage output of solar modules through the switching device as to provide adequate power to the solar pump based on the requirement of the motor in order to avoid tripping by increasing or decreasing the voltage output of the solar modules to a predetermined fraction of voltage for a predetermined fraction of time.



No. of Pages : 19 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711044058 A

(19) INDIA

(22) Date of filing of Application :08/12/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : ATTRIBUTING, TAGGING, LABELLING, ANALYZING AND STUDYING (ATLAS) -METHOD AND SYSTEM FOR GEOSPATIAL ANALYSIS OF TRANSACTIONAL DATA BASED ON USER LOCATION

(51) International classification	:G06F9/4893
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)SHASHANK RANA
Address of Applicant :8/9A, Rameshwaram Colony, Tonk Road, Sitabari, Jaipur Rajasthan India
(72)**Name of Inventor :**
1)SHASHANK RANA

(57) Abstract :

This disclosure relates to displaying the geographic location of an event/transaction on a 2D/3D geographic map, along with the geospatial location of the Users transacting with any system at a particular geospatial location and/or at any event, for analyzing and reporting on the result and/or outcome and/or trends of the usersTM interaction at the event and/or transaction, on a 2D/3D geographic map, along with marks of the usersTM and/or eventsTM geospatial location, with the timestamp as per need.



No. of Pages : 9 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711044086 A

(19) INDIA

(22) Date of filing of Application :08/12/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : EMBOSSING TOOL

(51) International classification	:B44B5/0066
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)AVIONIVCS DIVISION, KORWA HINDUSTAN AERONAUTICS LTD

Address of Applicant :AGM (PLANNING) AVIONICS DIVISION, KORWA, HINDUSTAN AERONAUTICS LIMITED, KORWA, AMETHI, U.P-227412, INDIA Uttar Pradesh India

(72)Name of Inventor :

1)MR. SATISH KUMAR OBEROI

(57) Abstract :

This invention relates to new and improved embossing tool and particularly to new and improved arrangement of die plate, punch, stripper plate and holding plate for holding of work piece and embossing of pre-determined shape on sheet metal strip work piece of either manually or automatically operated kinds.



No. of Pages : 15 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711044130 A

(19) INDIA

(22) Date of filing of Application :08/12/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : CERVICAL SPINE STRESS DETECTING MECHANISM FOR SMARTPHONE

(51) International classification	:G06F19/3418	(71)Name of Applicant :
(31) Priority Document No	:NA	1)GUPTA , HARSH
(32) Priority Date	:NA	Address of Applicant :85, NEW RAJDHANI ENCLAVE,
(33) Name of priority country	:NA	VIKAS MARG, NEW DELHI-110092, INDIA Delhi India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)GUPTA , HARSH
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This disclosure relates to a smartphone with the ability to monitor cervical spinal stress during its operation and to a method for causing a smartphone to perform such a function, using an inbuilt tri-axial accelerometer to determine the angular tilt of the smartphone and thereby derive cervical spinal stress and generate an alert whenever the intensity of the stress exceeds predefined levels.



No. of Pages : 17 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711044135 A

(19) INDIA

(22) Date of filing of Application :08/12/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : CONTENT MANAGEMENT

(51) International classification	:G06F17/30	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Samsung Electronics Co., Ltd.
(32) Priority Date	:NA	Address of Applicant :416 Maetan-Dong, Yeongtong-GU,
(33) Name of priority country	:NA	Suwon-SI, Gyeonggi-do 442-742, Republic of Korea Republic of
(86) International Application No	:NA	Korea
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)BANSAL, Rohit
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a computing device (200) capable of performing content management. The computing device (200) comprises: a first module (201) to associate an icon pertaining to one or more executable operations to at least one content available in the computing device (200); a second module (202) to offer the one or more executable operations on the at least one content upon user selection of the icon; and a third module (203) to perform an executable operation on the at least one content. The present invention provides a corresponding method (100) implementable in the computing device (200) for content management.



No. of Pages : 18 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711044209 A

(19) INDIA

(22) Date of filing of Application :08/12/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : METHOD OF RECORDING A VIDEO AND A DEVICE AND A DEVICE THEREOF

(51) International classification	:H04N5/92	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Samsung Electronics Co., Ltd.
(32) Priority Date	:NA	Address of Applicant :416 Maetan-Dong, Yeongtong-GU,
(33) Name of priority country	:NA	Suwon-SI, Gyeonggi-do 442-742, Republic of Korea Republic of
(86) International Application No	:NA	Korea
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)SETIA, Nitin
(61) Patent of Addition to Application Number	:NA	2)AGARWAL, Tripti
Filing Date	:NA	3)SHARMA, Kaushal Prakash
(62) Divisional to Application Number	:NA	4)DAHIYA, Rajan
Filing Date	:NA	5)JAIN, Jatin

(57) Abstract :

The present invention provides a method to be performed on a device including a camera-recording arrangement, and a device thereof. The method comprises of detecting a deviation in positional relationship between a recorded frame and/or at least one recorded sub-frame with respect to at least one region of interest. The recorded frame and/or the at least the one recorded sub-frame may correspond to a video during a video recording event and the at least one region of interest may be at least one of a user defined region of interest and a rule-based, system defined region of interest. The method may further comprise of providing, outside the region of interest, a deviation notification based on an extent of the deviation in the positional relationship between the recorded frame and/or at least one recorded sub-frame with respect to the at least one region of interest. <<To be published with Figure 1>>



No. of Pages : 27 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711042696 A

(19) INDIA

(22) Date of filing of Application :28/11/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : AN EVAPORATOR FOR A VERTICAL FLOW TYPE ICE MAKING MACHINE

(51) International classification	:F25C1/12	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Ram Prakash Sharma and Vinay Sharma
(32) Priority Date	:NA	Address of Applicant :ESPACE 265 NIRVANA COUNTRY,
(33) Name of priority country	:NA	GURGAON 122018, Haryana India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Ram Prakash Sharma and Vinay Sharma
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure discloses, an evaporator assembly for a vertical flow type ice-making machine. The assembly comprising a plurality of tubes for circulating a refrigerant, and a plurality of conductive protrusions thermally coupled to and extending the plurality of tubes. Each of the plurality of conductive protrusions defines an ice-making region. The assembly also includes a non-conductive plate arranged adjacent to the plurality of tubes. The non-conductive plate is defined with a provision to accommodate the plurality of conductive protrusions which exchanges heat with the refrigerant flowing through the plurality of tubes and forms the ice layer by layer, and shape of at least one surface of the ice is defined by the non-conductive plate. The configuration of the assembly produces ice in the form of individual ice-cubes of a specific shape and size, and thereby improves the efficiency of the machine and ice-making process.



No. of Pages : 41 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711042747 A

(19) INDIA

(22) Date of filing of Application :29/11/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention :DIPPER MODULE OVERLAP ELIMINATION •

(51) International classification	:E02F9/14
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :
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Address of Applicant :Village NawadaFatehpur, P.O.
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Haryana India
(72)Name of Inventor :
1)Jitendra Kumar Saini
2)S. Naveen Kumar

(57) Abstract :

The present disclosure relates to an integrated dipper module switch assembly (10) for a vehicle comprising a bracket (1) having an open end (1a) and a closed end (1b) wherein the open end (1a) of the bracket (1) is adapted to receive a knob (2) and base (8) of the switch assembly and a protruded surface (1d) located at the bottom of the bracket which is offset from central axis (X-X) of the bracket. A spring (5) loaded moving contact (6) mounted on the knob (2). A fixed contact (7) having a first end (7d) and a second end (7e) . The first end (7d) is secured inside a cavity (8a, 8b, 8c) of the base (8) wherein the height of the cavity (8a,8b,8c) is nearly equal to the length of the fixed contact (7) so to secure the first end (7d) of the fixed contact in the cavity and a small gap (7f) is maintained in between the second end (7e) of the fixed contact (7) and the base (8) of the switch assembly (10).



No. of Pages : 18 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711042826 A

(19) INDIA

(22) Date of filing of Application :29/11/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : ENERGY EFFICIENT TEMPERATURE REGULATED HEAT EXCHANGER SYSTEM

(51) International classification	:B60K11/04	(71)Name of Applicant :
(31) Priority Document No	:NA	1)PADMINI VNA MECHATRONICS PVT. LTD.
(32) Priority Date	:NA	Address of Applicant :Plot No. 100-101, Sector 35, Phase VII,
(33) Name of priority country	:NA	Udyog Vihar, Gurgaon, Haryana 122001, India Haryana India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Kabir Bhandari
(87) International Publication No	: NA	2)Radu Gogoana
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a method and system for cooling a seat 14 surface, comprising at least one cushion, plurality of flexible metallic heat exchangers and optionally a cushioning layer. The metal heat exchangers are thin flexible metal sheets 18a, 18b with high thermal conductivity and a preferable thickness in the range of 0.05 mm and 10 mm. These are incorporated in the cushion, wherein the conduit is bonded, soldered or brazed to thin flexible metal sheet 18a, 18b acting as continued or intermittent conduit, with fluid, for cooling the metallic heat exchangers. The present system allows lowering of the total temperature difference improving the coefficient of performance of the refrigeration system that supplies the cooled fluid, leading to a smaller, lighter cold water supply system that also consumes less power and performs direct cooling of an occupantTMs body. Figure 1 on sheet no. 1 of the drawings may accompany the abstract when published.

No. of Pages : 21 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711042920 A

(19) INDIA

(22) Date of filing of Application :30/11/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : REFRIGERANT COMPOSITIONS

(51) International classification	:C09K5/047	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SRF Limited
(32) Priority Date	:NA	Address of Applicant :SRF Limited, Unicrest Building, Block-
(33) Name of priority country	:NA	C, Sector 45, Gurgaon-122003, Haryana Haryana India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)YADAV PRASHANT
(87) International Publication No	: NA	2)GANGWAR AWADHESH
(61) Patent of Addition to Application Number	:NA	3)MISHRA MANOJ KUMAR
Filing Date	:NA	4)KESARI RATNESH
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to refrigerant compositions, particularly for use as replacements in air conditioning and refrigeration equipment currently employing, or designed to employ, chlorodifluoromethane (R22).

No. of Pages : 19 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711044219 A

(19) INDIA

(22) Date of filing of Application :08/12/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : MULTI-PURPOSE CHARGING STATION FOR E-RICKSHAWS IN RURAL AREAS

(51) International classification	:B60K15/063	(71)Name of Applicant :
(31) Priority Document No	:NA	1)INDIAN INSTITUTE OF TECHNOLOGY DELHI
(32) Priority Date	:NA	Address of Applicant :Hauz Khas, New Delhi 110 016, (India)
(33) Name of priority country	:NA	Delhi India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)SINGH, Bhim
(87) International Publication No	: NA	2)Verma, Anjeet
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Station for E-Rickshaws in Rural Areas The present invention focuses on a solar photo-voltaic (PV) (10) integrated charging station for e-rickshaws and electric vehicle (EV). The primary aim of the charging station is to utilize the solar energy up to maximum extent and build the charging infrastructure for the upcoming surge of e-rickshaws and electric vehicle. In present invention the charging station integrates the solar photo-voltaic (SPV) array (10), storage battery (8) and grid (1) to develop a charging infrastructure for the e-rickshaws/electric vehicle (9). In this charger, two converters (7,5) and SPV array (10) share a common DC link (6). A boost converter (11) for maximum power point tracking (MPPT) is used to connect SPV system with common DC link (6). The present invention provides the efficient use of energy and stabilizes the grid as well as battery for charging EVs in case of energy deficient conditions.



No. of Pages : 30 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711044220 A

(19) INDIA

(22) Date of filing of Application :08/12/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : ENTITIES PREDICTION IN HIGH DIMENSIONAL SEMANTIC SPACE BASED ON TEXTUAL INFORMATION

(51) International classification	:G06Q10/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Samsung Electronics Co., Ltd.
(32) Priority Date	:NA	Address of Applicant :416 Maetan-Dong, Yeongtong-GU,
(33) Name of priority country	:NA	Suwon-SI, Gyeonggi-do 442-742, Republic of Korea Republic of
(86) International Application No	:NA	Korea
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)KUMAR, Vijayanand
(61) Patent of Addition to Application Number	:NA	2)BANSAL, Dinesh
Filing Date	:NA	3)DESHBHRATAR, Anand
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a method and a device for searching and predicting entries in high dimensional semantic space based on textual information. The invention takes user input and analyzes the same and provides a prediction in relation to one or more processing entity. The invention furthermore provides prediction in relation to the nature of operation to be performed by the processing entity. The invention furthermore provide prediction in relation to other configurations in relation to the operation to be performed by the processing entity. Thus, the present invention reduces amount of work needed to be performed by the user.



No. of Pages : 30 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711044224 A

(19) INDIA

(22) Date of filing of Application :08/12/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : MEMORY PAGE COMPRESSION

(51) International classification	:G06F12/08	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Samsung Electronics Co., Ltd.
(32) Priority Date	:NA	Address of Applicant :416 Maetan-Dong, Yeongtong-GU,
(33) Name of priority country	:NA	Suwon-SI, Gyeonggi-do 442-742, Republic of Korea Republic of
(86) International Application No	:NA	Korea
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)SINGH, Bittu Kumar
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a computing device (700) capable of performing memory page compression. The computing device (700) comprises a memory unit (701); and a Central Processing Unit (CPU, 702) coupled with the memory unit (701). The CPU (702) is configured to: trigger memory page compression in the memory unit (701) depending upon CPU load; select at least one candidate page for the memory page compression based on page parameters comprising: Least Recently Used (LRU) index, frequency of use, page priority, and compression ratio; and compress the selected page according to a predefined compression logic. The present invention provides a corresponding method for memory page compression in the computing device (700).



No. of Pages : 29 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711044225 A

(19) INDIA

(22) Date of filing of Application :08/12/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : ANTI-TERMITE HERBAL COMPOSITION AND PROCESS FOR PREPARATION THEREOF

(51) International classification	:A01N63/02	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Banasthali Vidyapith
(32) Priority Date	:NA	Address of Applicant :Banasthali University, Banasthali,
(33) Name of priority country	:NA	Newai, District-Tonk, Pin-304022, Rajasthan, India Rajasthan
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)SRIVASTAVA, Nidhi
(61) Patent of Addition to Application Number	:NA	2)MESHRAM, Anju
Filing Date	:NA	3)BHAGYAWANT, Sameer S.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a composition and preparation thereof, useful as pesticide or insecticide or termicide and/or pest/insect/termite repellent agent. More particularly, the present invention relates to a composition comprising a preparation or extract of *Verbesina encelioides* and at least one plant selected from *Epipremnum pinnatum*; *Carthamus tinctorius*; and *Epipremnum aureum*. The composition additionally comprising a preparation or extract of at least one plant selected from *Syzygium aromaticum*; *Elettaria cardamomum*; and *Citrus limetta*. Further, the present invention relates to a process for the preparing the composition as described above. The present invention advantageously provides a stable, eco-friendly and low cost anti-termite herbal composition.



No. of Pages : 20 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711044261 A

(19) INDIA

(22) Date of filing of Application :08/12/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : A FLAME RETARDANT COMPOSITION AND APPLICATIONS THEREOF

(51) International classification	:D01F1/07,	(71)Name of Applicant :
(31) Priority Document No	:NA	1)INDIAN INSTITUTE OF TECHNOLOGY DELHI
(32) Priority Date	:NA	Address of Applicant :Indian Institute of Technology Delhi,
(33) Name of priority country	:NA	Hauz Khas, New Delhi-110016, India Delhi India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)ALI, Syed Wazed
(87) International Publication No	: NA	2)CHATTOPADHYAY, Rabisankar
(61) Patent of Addition to Application Number	:NA	3)SHUKLA, Ankur
Filing Date	:NA	4)BASAK, Santanu
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

There is provided a flame retardant composition comprising: a) at least one first polymer; b) at least one second polymer; and c) at least one acid. The composition has been shown to render appreciable flame-retardancy to yarn via a process described in the material. A convenient method to obtain a flame retardant rope by coating the at least one yarn with said flame retardant composition. Furthermore, a flame-retardant material comprising said flame-retardant ropes is described for high-tensile strength applications.



No. of Pages : 23 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711044269 A

(19) INDIA

(22) Date of filing of Application :09/12/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : COLLAPSIBLE PLASTIC BRACKET FOR REDUCING PEDESTRIAN LEG INJURY DURING VEHICLE COLLISION

(51) International classification	:B60R16/04	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MARUTI SUZUKI INDIA LIMITED
(32) Priority Date	:NA	Address of Applicant :1 Nelson Mandela Road, Vasant Kunj,
(33) Name of priority country	:NA	New Delhi-110070, India. Delhi India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)NAIR, SHINOJ NARAYAN
(87) International Publication No	: NA	2)PARSI, VAMSHI KRISHNA
(61) Patent of Addition to Application Number	:NA	3)KHANNA, SUSHEEL
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

COLLAPSIBLE PLASTIC BRACKET FOR REDUCING PEDESTRIAN LEG INJURY DURING VEHICLE COLLISION The subject matter disclosed herein relates to a collapsible plastic bracket (900) for reducing pedestrian leg injuries during impact of the pedestrian leg with front side of the vehicle, in particularly to towing hook of the vehicle. The collapsible plastic bracket (900) is positioned in between the front radiator support member and front bumper of the vehicle. The collapsible bracket (900) is placed above towing hook to reduce the impact of the towing hook on the pedestrian leg. The collapsible plastic bracket (900) has a mounting portion (901) and front overhanging impact absorbing portion which overhangs over the towing hook. The impact absorbing portion has three regions (902, 903, 904) that collapse during absorption of impact energy during frontal collision. The collapsible plastic bracket (900) absorbs the impact energy and reduces the injuries cause to the lower leg. To be published with Fig. 9



No. of Pages : 29 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711044270 A

(19) INDIA

(22) Date of filing of Application :09/12/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : CUSTOMIZABLE BUMPER GRILL FOR AN AUTOMOTIVE

(51) International classification	:B60K11/08	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MARUTI SUZUKI INDIA LIMITED
(32) Priority Date	:NA	Address of Applicant :1 Nelson Mandela Road, Vasant Kunj,
(33) Name of priority country	:NA	New Delhi-110070, India. Delhi India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)PATHAK, AMIT
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A customizable bumper grill (106) is disclosed. The bumper grill (106) includes a main grill (108) defining a front face (110) and a rear face (112), the front face (110) having different aesthetics than the rear face (112), the main grill (108) being fastened to a bumper (104); and a plurality of sub grills (114) fastened to the main grill (108), each of the plurality of sub grills (114) defining a first face (116), and a second face (118) opposite to the first face (116), the first face (116) having different aesthetics than the second face (118), wherein the customizable bumper grill (106) is configured to achieve a plurality of appearances based on an interchangeability of the front face (110) and the rear face (112) of the main grill (108), and/or an interchangeability of the first face (116) and the second face (118) of the plurality of sub grills (114). To be published with Figs. 4a-4c & 5a-5c

No. of Pages : 18 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711044271 A

(19) INDIA

(22) Date of filing of Application :09/12/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : REINFORCED SIDE SILL STRUCTURE FOR AN AUTOMOTIVE

(51) International classification	:B62D21/15	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MARUTI SUZUKI INDIA LIMITED
(32) Priority Date	:NA	Address of Applicant :1 Nelson Mandela Road, Vasant Kunj,
(33) Name of priority country	:NA	New Delhi-110070, India. Delhi India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)HOSSAIN, AMIR
(87) International Publication No	: NA	2)KHANNA, SUSHEEL
(61) Patent of Addition to Application Number	:NA	3)CHANDRA, SEKHAR S.
Filing Date	:NA	4)SHARMA, PRANAY
(62) Divisional to Application Number	:NA	5)GARG, ANKIT
Filing Date	:NA	

(57) Abstract :

A reinforced side sill structure (104) is disclosed. The side sill structure (104) includes a side sill (112) having an inner sill panel (114) and an outer sill panel (116) joined together to form a closed section portion. A B-pillar (106) extends vertically from the side sill (112) includes a bottom portion (107). A structural element (118) is provided substantially in the vicinity of the inner sill panel (114), the outer sill panel (116), and below the B-pillar (106). The structural element (118) defines an upper edge (120) and a lower edge (122) separated by an embossed region (124). The upper edge (120) and the lower edge (122) of the structural element (118) are sandwiched between flanged portions of the inner sill panel (114) and the outer sill panel (116), with the embossed region (124) extending towards the outer sill panel (116) which receives first impact during a side impact. To be published with Fig. 3

No. of Pages : 17 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711044272 A

(19) INDIA

(22) Date of filing of Application :09/12/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : REINFORCED REAR BODY STRUCTURE FOR AN AUTOMOBILE

(51) International classification	:B62D25/02	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MARUTI SUZUKI INDIA LIMITED
(32) Priority Date	:NA	Address of Applicant :1 Nelson Mandela Road, Vasant Kunj,
(33) Name of priority country	:NA	New Delhi-110070, India. Delhi India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)PIMPALKHARE, NINAD
(87) International Publication No	: NA	2)JAIN, CHETAN PRAKASH
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A reinforced rear body structure (300) is disclosed. The reinforced rear body structure (300) includes a roof panel (302) coupled to a side body outer extension panel (308). The roof panel (302) having a rear roof left corner (304) and a rear roof right corner (306) defining a first width (Wr). The side body outer extension panel (308) having a top left corner (310) and a top right corner (312) defining a second width (Ws). A plurality of reinforcing beads (314) are disposed on the top left corner (310), the top right corner (312), the rear roof left corner (304), and the rear roof right corner (306), the plurality of reinforcing beads (314) defining a width (Wb), a length (Lb) substantially longitudinal along the first width (Wr) and the second width (Ws), and a height (Hb). To be published with Fig. 3

No. of Pages : 21 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711044274 A

(19) INDIA

(22) Date of filing of Application :09/12/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : A SINGLE STAGE SOLAR PV ARRAY FED WATER PUMPING SYSTEM AND METHOD THEREOF

(51) International classification	:H01M8/04,	(71)Name of Applicant :
(31) Priority Document No	:NA	1)INDIAN INSTITUTE OF TECHNOLOGY DELHI
(32) Priority Date	:NA	Address of Applicant :Hauz Khas New Delhi India 110016
(33) Name of priority country	:NA	Delhi India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)SINGH, Bhim
(87) International Publication No	: NA	2)VARSHNEY, Anshul
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention discloses a simple and robust solar photovoltaic (PV) array based synchronous reluctance motor (SyRM) driven water pumping system. One power conditioning stage i.e. DC-DC converter is completely eliminated in the present system. Here, PV array is connected to a three phase voltage source inverter (VSI) through a DC link capacitor; the VSI converts DC power in to AC power to drive a synchronous reluctance motor coupled to a centrifugal pump. An incremental conductance based maximum power point tracking algorithm (INC-MPPT) is used for harvesting maximum power from PV array. The present invention results in a simple, cost-effective and compact water pumping system with high efficiency and reliability. A satisfactory performance of the water pumping system has been obtained and is highly recommended for water pumping application.

No. of Pages : 25 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711044335 A

(19) INDIA

(22) Date of filing of Application :11/12/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : HYBRID CARBON ASSEMBLAGE ASSISTED CONDUCTING POLYMER AS HIGH PERFORMANCE ELECTRODE MATERIAL FOR SUPERCAPACITOR

(51) International classification	:C04B35/622
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)UTTARANCHAL UNIVERSITY

Address of Applicant :Prem Nagar, Dehradun, Uttarakhand-248007, India. Uttarakhand India

(72)Name of Inventor :

1)GAIROLA SHIV PRASAD

2)BHARDWAJ PREETAM

3)DHAWAN SUNDEEP KUMAR

4)GAIROLA PREETI

5)KAUSHIK SHIVANI

(57) Abstract :

The present invention relates to a supercapacitor comprising an outer cell body fabricated by poly (methyl methacrylate)(PMMA) and a first electrode and a second electrode. Further, a porous separator disposed between the first and the second electrode, and an ionic liquid electrolyte in physical contact with the two electrodes, wherein the polypropylene membrane used as the porous separator is permeable by the ionic liquid electrolyte. The first electrode and the second electrode are prepared by pasting the polyaniline (PANI)-Hybrid Carbon Assemblage (HC) composite and activated charcoal, and poly (vinylidene fluoride) (PVDF) over graphite sheet current collectors in mass ratio 70:20:10. To be published with figure 1.

No. of Pages : 29 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711044363 A

(19) INDIA

(22) Date of filing of Application :11/12/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : A PROCESS FOR THE PREPARATION 7-AMINO-3-METHOXYMETHYL-3-CEPHEM-CARBOXYLIC ACID

(51) International classification

:C01B25/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

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Address of Applicant :VILLAGE SAIDPURA TEHSIL
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Punjab India

(72)Name of Inventor :

1)PANDEY ANAND

2)TIWARI ANOOP KUMAR

3)SINGH RAMHARAKH

4)UPADHYAY BIPIN KUMAR

(57) Abstract :

The present invention relates to provide a process for preparation of 7-amino-3-methoxymethyl-3-cephem carboxylic acid (7-AMCA) of formula (V) by reacting deacetyl-7-aminocephalosporanic acid (D-7-ACA) of formula (IV) with an alkylating agent and an acid in the absence of solvent, which is utilized for the preparation of cefpodoxime acid of formula (I), in a very safe, simple, economical, user-friendly process and in an industrially viable manner.



No. of Pages : 24 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711044442 A

(19) INDIA

(22) Date of filing of Application :11/12/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : INSTITUTIONAL ACCREDITATION EVALUATION METHOD

(51) International classification	:G09B19/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)IIMT College of Engineering
(32) Priority Date	:NA	Address of Applicant :Plot No. A-20 Knowledge Park III,
(33) Name of priority country	:NA	Greater Noida- 201308, Uttar Pradesh, India. Uttar Pradesh India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)YADAV, Dr. K P
(87) International Publication No	: NA	2)MAHAJAN, Prof. S K
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a method for rendering grades to different educational institutes (colleges) on the basis feedback received on plurality of criteria, via a user platform/interface. The method comprises the steps of registering an educational institute by a user and entering the relevant details; closing login screen and saving the details by clicking on Make Entry • tab; displaying the list of criteria(s) for each of the colleges(s) on a new screen; selecting each of the criteria(s) by user and providing relevant score ranging between 1- 4 in the fields along with a feedback for determining the rating of colleges under four categories Excellent, Good, Average or Bad; comparing score and feedback to determine the final grade of each of the college(s); reviewing the report for each of college(s) on screen; and displaying the final aggregate grade for each of college. Figure 1



No. of Pages : 9 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711044469 A

(19) INDIA

(22) Date of filing of Application :11/12/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : IMAGE CAPTURING

(51) International classification	:H04N1/21	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Samsung Electronics Co., Ltd.
(32) Priority Date	:NA	Address of Applicant :416 Maetan-Dong, Yeongtong-GU,
(33) Name of priority country	:NA	Suwon-SI, Gyeonggi-do 442-742, Republic of Korea Republic of
(86) International Application No	:NA	Macedonia
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)KUMAR, Pawan
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to capturing images. In an embodiment, a method is described. The method comprises determining, by a computing device, a set of spatial coordinates associated with a body part of a user. The method further comprises determining, by the computing device, whether the set of spatial coordinates are within a predefined threshold of a reference set of spatial coordinates associated with a reference pose. Further, the method comprises, capturing, by the computing device, an image of the body part if the set of spatial coordinates are determined to be within the predefined threshold of the reference set of spatial coordinates. The method further comprises providing, by the computing device, at least one direction notification to the user if the set of spatial coordinates are determined to be outside the predefined threshold of the reference set of spatial coordinates.



No. of Pages : 23 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711044471 A

(19) INDIA

(22) Date of filing of Application :11/12/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : DISPLAYING OF THUMBNAIL OF A MEDIA ITEM ON AN ELECTRONIC DEVICE

(51) International classification	:G06F3/0481	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Samsung Electronics Co., Ltd.
(32) Priority Date	:NA	Address of Applicant :416 Maetan-Dong, Yeongtong-GU,
(33) Name of priority country	:NA	Suwon-SI, Gyeonggi-do 442-742, Republic of Korea Republic of
(86) International Application No	:NA	Korea
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)GOEL, Lavlish
(61) Patent of Addition to Application Number	:NA	2)KUMAR, Lokendra
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to method for displaying a thumbnail of a media item on an electronic device and the electronic device thereof. In one aspect, the method comprises monitoring one or more current user-activities and connected user-activities; deriving at least one user-inference from the one or more current user-activities and connected user-activities, wherein the user-inference is representative of at least one of user-preference and relevance; accessing a sequence of image frames corresponding to the media item; analysing the sequence of image frames based on the at least one user-inference thus derived to obtain at least one user-inferred frame from amongst the sequence of image frames; and displaying the at least one user-inferred frame as a thumbnail of the media item on the electronic device.



No. of Pages : 30 No. of Claims : 10

(54) Title of the invention : A SYSTEM TO PROVIDE HUMIDIFIED CONTROLLED HIGH PRESSURE AIR DURING OCULAR SURGERY

(51) International classification	:A61M16/16	(71)Name of Applicant :
(31) Priority Document No	:NA	1)YETIK, H¹/₄seyin
(32) Priority Date	:NA	Address of Applicant :Beyaz Lale Sokak Novus Residence
(33) Name of priority country	:NA	No:4/2 D-1 Blok Daire:26 Ataky 2-5-6 Bakirky Istanbul,
(86) International Application No	:NA	TURKEY Turkey
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)YETIK, H¹/₄seyin
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A system to provide high pressure air to the eye during ocular surgery. The system comprises an air tube, a piece 1, a piece 2 and a plurality of adjustable aperture. Piece 1 comprises a plurality of piece 1 air feeding tubes, a piece 1 adjustable apertures and a plurality of air ejecting nozzles. Piece 2 comprises a piece 2 air feeding tubes, a piece 2 adjustable aperture, a diameter controlled adjustable aperture and a plurality of valves. Both piece 1 and piece 2 are used separately or simultaneously. Piece 1 is used laterally and piece 2 is used vertically. A humidified high pressure air is provided to piece 1 and piece 2 air feeding tubes by an air source. The high pressure air provided is humidified controlled high pressure air.



No. of Pages : 21 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711044616 A

(19) INDIA

(22) Date of filing of Application :12/12/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : METHOD OF MANAGING OPERATIONS IN AN ELECTRONIC DEVICE AND AN ELECTRONIC DEVICE THEREOF

(51) International classification	:H04W4/02	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Samsung Electronics Co., Ltd.
(32) Priority Date	:NA	Address of Applicant :416 Maetan-Dong, Yeongtong-GU,
(33) Name of priority country	:NA	Suwon-SI, Gyeonggi-do 442-742, Republic of Korea Republic of
(86) International Application No	:NA	Korea
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)GABA, Abhinav
(61) Patent of Addition to Application Number	:NA	2)GARG, Ekansh
Filing Date	:NA	3)KUMAR, Sunil
(62) Divisional to Application Number	:NA	4)SHARMA, Deepak
Filing Date	:NA	

(57) Abstract :

The present invention provides a method of managing operation on an electronic device, and an electronic device thereof. The method comprises of detecting by a search engine a content of at least one data item available for display on a screen of the electronic device, and determining by the search engine of at least one offer corresponding to the content. The method may further comprise of causing by the search engine to display the at least one offer along with the content on the screen, the at least one offer as displayed being paired to the corresponding content. The method may further comprise of performing at least one of the actions on the at least one displayed offer which is paired to the corresponding content.



No. of Pages : 30 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711044620 A

(19) INDIA

(22) Date of filing of Application :12/12/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : METHOD AND SYSTEM OF OPERATING IN COMPUTING DEVICE THROUGH CUSTOMIZING APPLICATIONS

(51) International classification	:G09G5/363
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :
1)Samsung Electronics Co., Ltd.
Address of Applicant :416 Maetan-Dong, Yeongtong-GU,
Suwon-SI, Gyeonggi-do 442-742, Republic of Korea Republic of Korea
(72)Name of Inventor :
1)RANGANATHAN, Ashok
2)GUPTA, Vipul
3)AGRAWAL, Amit
4)SINGH, Aditya

(57) Abstract :

The present subject matter refers to a method and system (200, 1000) for performing an operation in a computing device through customizing applications. The method as executed by system (200, 1000) comprises capturing usage of applications in a computing-device by a user, said usage captured at least based on a frequency of access of one or more features of said applications. At-least one feature corresponding to each user-selected application is rendered upon receiving a user-selection of a plurality of applications, said at least one feature having been considered based on said captured usage. Thereafter, at least one user-driven operation is performed with respect to the rendered features upon receiving a user-selected combination of features, wherein said combination of features comprises at least one feature with respect to each user-selected application.



No. of Pages : 29 No. of Claims : 10

(54) Title of the invention : SHARING CONTENT IN A CONTENT SHARING ENVIRONMENT

(51) International classification :H04L29/06
 (31) Priority Document No :NA
 (32) Priority Date :NA
 (33) Name of priority country :NA
 (86) International Application No :NA
 Filing Date :NA
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)Samsung Electronics Co., Ltd.

Address of Applicant :416 Maetan-Dong, Yeongtong-GU, Suwon-SI, Gyeonggi-do 442-742, Republic of Korea

(72)Name of Inventor :

1)SHEKHAR, Shashank**2)THOMAS, Theophilus****3)GOVEKAR, Dhananjay L****4)PRABHAKAR, Arun****5)KULSHRESTHA, Ashwini Kumar****6)MEHRA, Gaurav Chandra Singh****7)PAREEK, Saurabh****8)GILHOTRA, Gaurav****9)GOYAL, Sandeep****10)KASLIWAL, Ankesh****11)KUMAR, Ganesh****12)SINGH, Govind****13)JAIN, Iti****14)MAREPALLI, Rahul****15)DUDEJA, Silky****16)RASTOGI, Sulabh****17)GUPTA, Tarun****18)GOYAL, Shikha****19)CHAUBEY, Nishant**

(57) Abstract :

The present invention relates to methods and computing devices for sharing content concurrent to an ongoing content transmission session in a content sharing environment comprising a plurality of computing devices. In one embodiment, the method comprises receiving, by a host computing device, an add request to join the content sharing environment from a further computing device; adding the further computing device to the content sharing environment; and permitting the further computing device to access content shared in the in the content sharing environment. The method further comprises upscaling a bandwidth of the content transmission session based on one or more factors. In another embodiment, the method comprises receiving, by a third computing device, a selection of first content to be shared in the content sharing environment from a user of the third computing device; and sharing the first content in the content sharing environment



No. of Pages : 40 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711044714 A

(19) INDIA

(22) Date of filing of Application :13/12/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : A PAPER STRIP BASED TEST FOR DETECTION OF AMINOGLYCOSIDES GROUP OF ANTIBIOTICS IN WATER AND WASTE WATER

(51) International classification	:G01N33/68	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CENTRAL UNIVERSITY OF HARYANA
(32) Priority Date	:NA	Address of Applicant :CUH, JANT-PALI
(33) Name of priority country	:NA	MAHENDERGARH HARYANA-123031, INDIA Haryana India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)ANKUSJH
(87) International Publication No	: NA	2)GULAB SINGH
(61) Patent of Addition to Application Number	:NA	3)KASHYAP KUMAR DUBEY
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A strip-based test for detection of aminoglycoside group of antibiotic is described. The test requires observation of purple color on strip after air drying the drop of water sample on strip. The test is sensitive enough to detect the 0.0001M aminoglycoside group of antibiotic present in water and gives distinguishable color change which makes the detection better. Since, Antibiotics containing water are harmful. for gut flora and also provide suitable environment for development of resistant bacterial strains, hence such antibiotics should not be consumed unnecessary. The test can be used to differentiate ordinary water and water that contains aminoglycoside group of antibiotics



No. of Pages : 8 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711044740 A

(19) INDIA

(22) Date of filing of Application :13/12/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : SCORE DISTRIBUTION SYSTEM

(51) International classification	:G06F9/4893
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country /region	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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Xizhi Dist., New Taipei City 221, Taiwan
2)YI-SUI LAI
(72)**Name of Inventor :**
1)HSUEH-CHEN LEE
2)YI-SUI LAI

(57) Abstract :

Ascore distribution system includes at least two store transaction devices and an administration device. The at least two store transaction devices are configured for conducting transactions with a consumer and generating at least two signals according to payment amounts. The administration device sets up an administration platform on a network. The administration platform includes a score determination unit, a score division unit, a consumer score account, and a score payment unitandis connected to the at least two stores to receive the at least two signals. Based on the at least two signals, the score determination unit determines the score the consumer can obtain. The score division unit divides the score into at least two scores, which are stored in the consumer score account. The score payment unit allows the consumer to conduct transactions with the at least two stores using the at least two scores respectively.



No. of Pages : 36 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711044748 A

(19) INDIA

(22) Date of filing of Application :13/12/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : A PORTABLE FUNGUS SCANNER

(51) International classification

:G06F19/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)AMITY UNIVERSITY

Address of Applicant :AMITY UNIVERSITY CAMPUS,
SECTOR-125 NOIDA UTTAR PRADESH-201313, INDIA Uttar
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(72)Name of Inventor :

1)YOGESH

2)ADITYAN JOTHI

3)TANYA MAKKAR

4)ADIL HASHIM

5)AMMANNAGARI VINAY KUMAR

6)SUMIT CHAUHAN

7)TANYA SAINI

(57) Abstract :

The present invention provides a device to examine the fungus present in the matter by scanning its properties and texture mainly with the help of scanner present in portable device. Then, the output image is obtained with the contained features and properties. This portable scanner helps in distinguishing between the types of fungus that are growing around us.



No. of Pages : 10 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711044750 A

(19) INDIA

(22) Date of filing of Application :13/12/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : FTO/AUNPS-BASED NANOSENSOR FOR CHLORPYRIFOS DETECTION IN FRUITS AND VEGETABLES.

(51) International classification	:C23C24/04	(71)Name of Applicant :
(31) Priority Document No	:NA	1)AMITY UNIVERSITY
(32) Priority Date	:NA	Address of Applicant :AMITY UNIVERSITY CAMPUS,
(33) Name of priority country	:NA	SECTOR-125 NOIDA UTTAR PRADESH-201313, INDIA Uttar
(86) International Application No	:NA	Pradesh India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)SONU GANDHI
(61) Patent of Addition to Application Number	:NA	2)PREM PRAKASH TRIPATHI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides FTO/AuNPs- based nanosensor for Chlorpyrifos detection in fruits and vegetables. The fluorine doped tin-oxide (FTO) electrode FTO/gold nanoparticles (AuNPs) based nanosensor for organophosphates detection is developed. Based on the intrinsic conductive properties of FTO-AuNPs, the immobilized chl-Ab had greater affinity for AuNPs. With sterling stability, sensitivity, and simplicity, the FTO based nanosensor according to the present invention can be used as a quantitative tool for the detection of chlorpyrifos traces in real samples.

No. of Pages : 7 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711044794 A

(19) INDIA

(22) Date of filing of Application :13/12/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : IMPROVED SEAL

(51) International classification	:H01L21/44,	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Rolls-Royce plc
(32) Priority Date	:NA	Address of Applicant :62 Buckingham Gate, London SW1E
(33) Name of priority country	:NA	6AT, United Kingdom U.K.
(86) International Application No	:NA	2)Rolls-Royce India Private Ltd
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)DUNK, Matthew K
(61) Patent of Addition to Application Number	:NA	2)NAYAK, Kali Charan
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A labyrinth seal having a land that comprises an array of polygonal cells, wherein at least 50% of the cells include a planar wall that subdivides the cell. The seal reduces seal leakage and can reduce specific fuel consumption of gas turbine engines that include such seals



No. of Pages : 30 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711044842 A

(19) INDIA

(22) Date of filing of Application :13/12/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : SURFACTANT-FREE, SELF-ASSEMBLING MICELLES OF FATTY ACID CONJUGATED TO HYDROPHILIC DRUG AND METHOD FOR PREPARING THE SAME

(51) International classification	:C08L5/00,	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Birla Institute of Technology & Science (BITS), Pilani
(32) Priority Date	:NA	Address of Applicant :Pilani Campus, Vidya Vihar, Pilani
(33) Name of priority country	:NA	Rajasthan India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Mittal Anupama
(87) International Publication No	: NA	2)Italiya Kishan Shamjibhai
(61) Patent of Addition to Application Number	:NA	3)Samrat Mazumdar
Filing Date	:NA	4)Chitkara Deepak
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Surfactant-free, self-assembling micelles of fatty acid conjugated to hydrophilic drug and method for preparing the same The invention relates to surfactant-free, self-assembling micelles of a fatty acid conjugated to a hydrophilic drug. Particularly, this invention relates to surfactant-free, self-assembling micelles of linoleic acid conjugated to lisofylline. The micelles find several therapeutic applications, particularly for the treatment of Type-1 Diabetes. The invention also relates to a method for preparing the said micelles.



No. of Pages : 46 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711044846 A

(19) INDIA

(22) Date of filing of Application :13/12/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : A METHOD FOR ATTAINING P-TYPE ZINC OXIDE (ZNO) THIN FILM

(51) International classification	:H01L21/477	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Motilal Nehru National Institute of Technology Allahabad
(32) Priority Date	:NA	Address of Applicant :Motilal Nehru National Institute of
(33) Name of priority country	:NA	Technology Allahabad Teliarganj, Allahabad-211004, Uttar
(86) International Application No	:NA	Pradesh, (India) Uttar Pradesh India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)Mr. Brijesh Kumar Singh
(61) Patent of Addition to Application Number	:NA	2)Mr. Lucky Agarwal
Filing Date	:NA	3)Dr. Shweta Tripathi
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method for attaining p-type zinc oxide (ZnO) thin film comprises the steps of deposition of undoped ZnO thin films over silicon substrate to form a sample of undoped ZnO thin film substrate (1) followed by magnetic field annealing of the sample of undoped ZnO thin film substrate (1) using a magnetic field annealing set up comprising an arrangement of a set of magnets (5), a furnace (3) and a substrate holder (2); in which a varying magnetic field of intensities from 280G to 750G is applying over the sample of the undoped ZnO thin film substrate (1) which is placed over the substrate holder (2) within the furnace (3) at temperature of 400°C, keeping direction of magnetic field vertically downward (6) and perpendicular to the sample substrate (1). Figure-1



No. of Pages : 25 No. of Claims : 8

(54) Title of the invention : METHOD OF MANUFACTURING POROUS CURRENT COLLECTOR

(51) International classification :C23F1/02
 (31) Priority Document No :10-2017-0170235
 (32) Priority Date :12/12/2017
 (33) Name of priority country :Republic of Korea
 (86) International Application No :NA
 Filing Date :NA
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)KOREA JCC CO., LTD.

Address of Applicant :1163, Chungcheong-daero, Bugi-myeon, Cheongwon-gun, Chungcheongbuk-do, Republic of Korea
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(72)Name of Inventor :

1)SHIN, Jin Sik**2)SHIN, Dal Woo****3)LEE, Mun Soo****4)KIM, Sung Han****5)OH, Mi Hyun****6)YUN, Hyun****7)PARK, Ji Yoon****8)LEE, Kyoung Nam**

(57) Abstract :

Disclosed herein is a method of manufacturing a porous current collector, which can fabricate a porous current collector in such a way as to fabricate alcohol-resolvable resin as an etch mask pattern by printing polyhydric alcohol on a surface of the alcohol-resolvable resin in a pattern and to form a plurality of through holes in a metal sheet using the etch mask pattern. The method includes the steps of forming an alcohol-resolvable resin layer by coating alcohol-resolvable resin on a surface of a metal sheet, forming an alcohol-resolvable mask pattern layer by printing polyhydric alcohol on a surface of the alcohol-resolvable resin layer after the alcohol-resolvable resin layer is formed, and etching the metal sheet so that a plurality of through holes is formed in the metal sheet using the alcohol-resolvable mask pattern layer as a mask after the alcohol-resolvable mask pattern layer is formed.



No. of Pages : 24 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201814037849 A

(19) INDIA

(22) Date of filing of Application :05/10/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : SERVER AND METHOD FOR FACILITATING AN UN-AUTHENTICATABLE TRANSACTION

(51) International classification :G06F9/4893
(31) Priority Document No :10201710334T
(32) Priority Date :12/12/2017
(33) Name of priority country :Singapore
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)MASTERCARD INTERNATIONAL INCORPORATED
Address of Applicant :2000 PURCHASE STREET,
PURCHASE, NY 10577, UNITED STATES OF AMERICA
U.S.A.
(72)Name of Inventor :
1)AGARWALLA, Sachin Kumar
2)GUPTA, Shweta

(57) Abstract :

There is provided a server for facilitating an un-authenticatable transaction for an Internet connection capable user device when the user device is not in Internet connection with the server, the server comprising: at least one processor; and at least one memory including computer program code; the at least one memory and the computer program code configured to, with the at least one processor, cause the server at least to: receive, from a user device, a token and a transaction request, the token being one that was generated when the user device was in Internet connection with the server and the transaction request indicating a user account and a recipient account to be used for the un-authenticatable transaction; verify if the token corresponds to one that has been registered for the user account; and send an authorization to an issuer server to transfer an amount indicated in the transaction request from the user account in response to the verification.



No. of Pages : 39 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201814038103 A

(19) INDIA

(22) Date of filing of Application :08/10/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : LED SECURITY LIGHT OR STREET LIGHT

(51) International classification	:F21L4/00
(31) Priority Document No	:10-2017-0167921
(32) Priority Date	:08/12/2017
(33) Name of priority country	:Republic of Korea
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)House and Beyond Co. Ltd

Address of Applicant :2F, 54, Dongjak-daero, Seocho-gu, Seoul, 06677, Republic of Korea Republic of Korea

(72)Name of Inventor :

1)Kim, Yong Kwan

(57) Abstract :

The present invention relates to a light emitting diode (LED) lighting device, and more particularly, to an LED security light or street light, in which light efficiency of high illumination and high brightness of an LED light source is maximized. The LED security light or street light includes: a light pillar; a pole connected to the light pillar; and a solar cell-type light connected to the pole, in which the solar cell-type light includes: a solar cell plate, on which a plurality of solar cells is arranged; a printed circuit board (PCB) board assembly (PBA) board, which is an electric circuit board including a plurality of arranged LEDs; a light concentrating and emitting body, which includes reflectors as many as the number of the plurality of LEDs at positions corresponding to positions of the plurality of LEDs, the reflector having a shape protruding in a direction of the LED and being connected by a curvature surface, in which an external opened circle and an internal opened circle smaller than the external opened circle have different curvature radiuses; a controller board, which is electrically connected with the PBA to control the plurality of LEDs, and is connected with an external power source; a battery, which is charged with power obtained from the solar cell plate; and a transparent or opaque cover coupled to a lowermost end.



No. of Pages : 21 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201814038139 A

(19) INDIA

(22) Date of filing of Application :08/10/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : COMPUTERIZED METHODS AND COMPUTER SYSTEMS FOR VERIFICATION OF TRANSACTIONS

(51) International classification	:G06Q40/00	(71)Name of Applicant :
(31) Priority Document No	:10201710378V	1)MASTERCARD INTERNATIONAL INCORPORATED
(32) Priority Date	:13/12/2017	Address of Applicant :2000 PURCHASE STREET,
(33) Name of priority country	:Singapore	PURCHASE, NY 10577, UNITED STATES OF AMERICA
(86) International Application No	:NA	U.S.A.
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)PANDEY, Anshul
(61) Patent of Addition to Application Number	:NA	2)GUPTA, Ashutosh Kumar
Filing Date	:NA	3)GUPTA, Tanika
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

When a payment transaction made by a user, a reminder data file is created including reminder items associated with the payment transaction. At least one of the reminder items is an image. Subsequently, a transaction statement listing one or more payment transactions is provided to the user, in a form in which each listed payment transaction is associated with an embedded link to the corresponding reminder data file, which permits the user to access the reminder data file. Thus, a user who is unable to recognize a payment transaction on the transaction statement, can use the statement to access the corresponding reminder items, to provide the user with a reminder of the details of the transaction.



No. of Pages : 64 No. of Claims : 34

(54) Title of the invention : BATTERY PACK MANUFACTURING METHOD

(51) International classification	:H01M6/42	(71)Name of Applicant :
(31) Priority Document No	:2017-238743	1)TOYOTA JIDOSHA KABUSHIKI KAISHA
(32) Priority Date	:13/12/2017	Address of Applicant :1, Toyota-cho, Toyota-shi, Aichi-ken
(33) Name of priority country	:Japan	471-8571, Japan Japan
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Aki YAMASHITA
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A manufacturing method of a battery pack (60) includes: forming a viscous body layer (64) on a cooler (62) such that an opposed surface (64a) of a viscous body layer (64) facing a cooled portion (61c) of the battery pack (60) has a vertex at which a perpendicular distance from a surface of the viscous body layer (64) opposed to the opposed surface (64a) is longest, and that the perpendicular distance decreases in directions away from the vertex, as seen in a sectional view of the viscous body layer (64) from a long-side direction of the viscous body layer (64); and before hardening of the viscous body layer (64) formed on the cooler (62) is completed, attaching the cell stack (61) to the cooler (62) while pressing the opposed surface (64a) of the viscous body layer (64) with the cooled portion (61c) of the cell stack (61).



No. of Pages : 40 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201814040317 A

(19) INDIA

(22) Date of filing of Application :25/10/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : METHOD AND SYSTEM FOR SHARING PRODUCTS

(51) International classification	:G06F12/00
(31) Priority Document No	:1020171010340X
(32) Priority Date	:12/12/2017
(33) Name of priority country	:Singapore
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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Address of Applicant :2000 PURCHASE STREET,
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U.S.A.
(72)**Name of Inventor :**
1)PIPARSANIYA, Harsh
2)GUPTA, Sudhir
3)AGRAWAL, Rahul

(57) Abstract :

A method of sharing of a product among a plurality of users includes receiving a first request, by a server, for accessing a merchant website from a first user. The first user accesses the merchant website to select a first product for sharing. The first user submits one or more product sharing parameters for sharing the first product to the server. The server receives a second request for accessing the merchant website from a second user. The second user accesses the merchant website to purchase the first product. The second user selects the first user to share the first product with, on time-shared basis. The server charges the first and second users the first offer amount and a purchase amount, respectively, to enable sharing of the first product between the first and second users.



No. of Pages : 59 No. of Claims : 23

(54) Title of the invention : METHOD AND DEVICE FOR MEASURING THE THICKNESS OF NON-MAGNETISABLE LAYERS ON A MAGNETISABLE BASE MATERIAL

(51) International classification	:G01B7/06	(71)Name of Applicant :
	:DE 10	1)Helmut Fischer GmbH Institut f¼r Elektronik und
(31) Priority Document No	2017 29	Messtechnik
	150.4	Address of Applicant :Industriestr. 21, D-71069 Sindelfingen,
(32) Priority Date	:07/12/2017	Germany Germany
(33) Name of priority country	:Germany	(72)Name of Inventor :
(86) International Application No	:NA	1)VOLLMAR, Hans-Peter
Filing Date	:NA	2)WERSAL, Helmut
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a method for measuring the thickness of non-magnetisable layers (51) on a magnetisable base material (52), the permeability of which is not known, having a measuring probe (11), which has a probe head (17), which comprises a pot core (31) having a first and second coil (36, 37), which lie on a common geometric axis (16), and in which the first and second coils (36, 37) form a first coil pair (38), and which has a bearing calotte (21) in a common axis (16), in which the probe head (17) is placed on the layer (51) to measure the thickness of the layer (51) on the base material (52), wherein a first interaction volume is detected by the first coil pair (38) with a field focusing caused by the pot core (31), a second interaction volume is detected by a second coil pair (44) with a first and second coil (42, 43), which is arranged outside the pot core (31) and jointly with the geometric axis (16) without field focusing by the pot core (21), and the detected first and second base material volume is processed in an evaluation device (13) and compared to each other for compensating a permeability of the base material (52), on which the layer (51) to be measured is applied, and a layer thickness is output for the measured layer (51), which is corrected by the influence of the permeability of the base material (52). [Figure 2]



No. of Pages : 22 No. of Claims : 10

(54) Title of the invention : METHOD FOR PRODUCING SULFIDE SOLID-STATE BATTERY

(51) International classification	:H01M10/00	(71)Name of Applicant :
(31) Priority Document No	:2017-236384	1)TOYOTA JIDOSHA KABUSHIKI KAISHA
(32) Priority Date	:08/12/2017	Address of Applicant :1, Toyota-cho, Toyota-shi, Aichi-ken,
(33) Name of priority country	:Japan	471-8571, Japan Japan
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Masaharu SENOUE
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

When an anode mixture containing a silicon-based active material and a sulfide solid electrolyte is layered over a surface of an anode current collector containing copper to form an anode, the sulfide solid electrolyte reacts with copper at the OCV of the silicon-based active material, and copper diffuses from the anode current collector via the sulfide solid electrolyte toward a cathode side, to cause minor short circuits of a cathode and the anode. Thus, a sulfide solid-state battery is produced via a first step of doping at least one material selected from graphite and lithium titanate with lithium, to obtain a predoped material; a second step of mixing the sulfide solid electrolyte, the silicon-based active material, and the predoped material, to obtain the anode mixture; and a third step of layering the anode mixture over the surface of the anode current collector that contains copper, to obtain the anode.



No. of Pages : 33 No. of Claims : 3

(54) Title of the invention : VEHICLE LOWER STRUCTURE

(51) International classification	:B62D25/20	(71)Name of Applicant :
(31) Priority Document No	:2017-237869	1)SUZUKI MOTOR CORPORATION
(32) Priority Date	:12/12/2017	Address of Applicant :300, Takatsuka-cho, Minami-ku,
(33) Name of priority country	:Japan	Hamamatsu-shi, Shizuoka-Ken, Japan Japan
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Yuta TOMIYOSHI
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A recess 13 recessed to an upper side is provided in a side part of a bottom surface of a fuel tank 10 in a vehicle lower structure, and the bottom surface of the fuel tank 10 includes a lower bottom surface 15a located in a lowermost part of the fuel tank 10, and an upper bottom surface 13a located in a lowermost part of the recess 13 above the lower bottom surface 15 a. A rear propeller shaft 37 is overlapped on the upper bottom surface 13a in plan view, and a canister 20 is fixed to the upper bottom surface 13a. The canister 20 and the rear propeller shaft 37 are overlapped at least in part as viewed in a width direction. The rear propeller shaft 37 is disposed between the canister 20 and the lower bottom surface 15 a, and the canister 20 inclines to a direction in which it is more away from the rear propeller shaft 37 on a rear side thereof.



No. of Pages : 21 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201814041425 A

(19) INDIA

(22) Date of filing of Application :01/11/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : METHOD FOR SCREENSHOT AND RELATED PRODUCTS

(51) International classification :G06F17/30268
(31) Priority Document No :201711311226.3
(32) Priority Date :11/12/2017
(33) Name of priority country :China
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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CHANG'AN DONGGUAN, GUANGDONG, 523860, CHINA
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(72)Name of Inventor :
**1)ZHANG, HAIPING
2)ZHOU, YIBAO**

(57) Abstract :

A method for screenshot and related products are provided, which are applicable to an electronic device. The method for screenshot includes the following. A preset interface is displayed in a special-shaped region and a regular-shaped region of a special-shaped screen, and a first screenshot of the preset interface in a first screen status is obtained. A second screenshot is obtained by inverting the preset interface and performing a screenshot on the preset interface inversed. A synthesized screenshot is obtained by synthesizing the first screenshot and the second screenshot, where the synthesized screenshot is a complete screenshot. In the embodiments of the present disclosure, the complete image may be obtained when taking a screenshot on the special-shaped screen.



No. of Pages : 36 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201814041579 A

(19) INDIA

(22) Date of filing of Application :02/11/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : CUTTING DEVICE AND SHEET MATERIAL MANUFACTURING METHOD

(51) International classification	:B65D88/1631	(71)Name of Applicant :
(31) Priority Document No	:2017-236446	1)TOYOTA JIDOSHA KABUSHIKI KAISHA
(32) Priority Date	:08/12/2017	Address of Applicant :1, Toyota-cho, Toyota-shi, Aichi-ken
(33) Name of priority country	:Japan	471-8571, Japan Japan
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Yoshihiro HORI
(87) International Publication No	: NA	2)Yasuyuki UYAMA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A lower die (10) has a first lower-die edge (11) extending along the outline shape of a sheet material, and a plurality of second lower-die edges (12) disposed vertically below the first lower-die edge (11) and each extending in a direction traversing an offcut of a sheet base material that is left behind after the sheet material is punched out. An upper die (20) has a first upper-die edge (21) which extends along the first lower-die edge (11) and between which and the first lower-die edge (11) the sheet base material is shorn to punch out the sheet material, and a plurality of second upper-die edges (22) which is provided so as to be protrusible to vertically below the second lower-die edges (12) and between which and the second lower-die edges (12) the offcut is shorn and divided. SELECTED DRAWING: FIG. 4A



No. of Pages : 61 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201814041669 A

(19) INDIA

(22) Date of filing of Application :02/11/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : ATTENTION ATTRACTING DEVICE FOR VEHICLE

(51) International classification	:F01K27/00	(71)Name of Applicant :
(31) Priority Document No	:2017-236138	1)TOYOTA JIDOSHA KABUSHIKI KAISHA
(32) Priority Date	:08/12/2017	Address of Applicant :1, Toyota-cho, Toyota-shi, Aichi-ken,
(33) Name of priority country	:Japan	471-8571, Japan Japan
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)IWASAKI, Keita
(87) International Publication No	: NA	2)KONDO, Keiichi
(61) Patent of Addition to Application Number	:NA	3)TAKAHASHI, Akinori
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An attention attracting device for a vehicle includes: an information detection unit (12) configured to detect a plurality of types of attention information around an own vehicle (100); a vibration application unit (16) configured to apply vibration to a vehicular seat (50); a display unit (18) configured to display an attention information content corresponding to each of the plurality of types of attention information; and a control unit (14) configured to, when the information detection unit (12) detects attention information, operate the vibration application unit (16) and cause the display unit (18) to display the attention information content corresponding to the detected attention information. Selected drawing: FIG 1



No. of Pages : 52 No. of Claims : 4

(54) Title of the invention : IMPROVED ULTRASONIC INTERFEROMETER EXCITATION AND DETECTION SYSTEM FOR VELOCITY AND ATTENUATION MESUREMENT

(51) International classification	:G01N29/075	(71)Name of Applicant :
(31) Priority Document No	:NA	1)COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH
(32) Priority Date	:NA	Address of Applicant :ANUSANDHAN BHAWAN 2 RAFI
(33) Name of priority country	:NA	MARG NEW DELHI-110001 INDIA Delhi India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)DUBEY P K
(87) International Publication No	: NA	2)SHARMA SAHIL
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Ultrasonic interferometer is a convenient, simple and low cost method for measurement of ultrasonic velocity. It is widely used at the university level courses and research for the study of liquid properties. Generally, for liquid samples a movable reflector type cell is preferred and is also commercially available in the market. It has outer jacket for water circulation and maintain the temperature of sample. A piezoelectric transducer having required frequency is fixed at the bottom in such a way that it transmits ultrasound in the liquid sample under study. An exhaustive literature survey in the field reveals that the electronic excitation and detection system used for these cells is vacuum tube based and has higher voltage of excitation for the transducer. The measurement technique is based on the loading of the transmitter at the transmitter end only. It is suitable only for ultrasonic velocity measurement. The present invention provides the new design of electronic circuit used to excite piezoelectric transducer of ultrasonic interferometer. It has capability to provide ultrasonic attenuation and velocity at relatively lower ultrasonic power i.e. at lower excitation amplitude of crystal. The advantage of this technique is that it produces negligible heat in the sample which does not change the status or property of sample. The principle is based on the variation of voltage across a fixed resistor connected in series with the ultrasonic transducer. The change in RF voltage is rectified by a fast switching diode and peak value is detected. This peak value is compared with the reference DC voltage and sufficiently amplified to provide significant variation in the DC output. This output DC voltage is monitored on voltmeter for maxima and minima values. The schematic diagram and detailed circuit are shown in the fig1 and fig 2 respectively. Another design uses high gain instrumentation amplifier. Only peak voltage due to peak detector at the transducer is used to drive the instrumentation amplifier. Another input of instrumentation amplifier is fed by adjustable DC voltage. The schematic diagram and detailed circuit of this method are shown in the fig3 and fig 4 respectively.



No. of Pages : 12 No. of Claims : 7

(54) Title of the invention : APPARATUS AND METHOD FOR CURRENT CONDITIONING, USING A PRIMARY COIL COUPLED TO SECONDARY COILS OF SUPERCONDUCTING MATERIAL, WITH SMOOTHED TRANSITIONS

(51) International classification	:H01L23/00	(71)Name of Applicant :
(31) Priority Document No	:17 206	1)Bruker HTS GmbH
(32) Priority Date	005.5	Address of Applicant :Ehrichstr. 10, 63450 Hanau, Germany
(33) Name of priority country	:07/12/2017	Germany
(86) International Application No	:EPO	(72)Name of Inventor :
Filing Date	:NA	1)Usoskin Alexander
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An apparatus (1) for current conditioning, comprising - a primary coil (2) of electrically conducting material, and - a plurality of secondary coils (3, 3a-3l) of superconductor material, with the secondary coils (3, 3a-3l) inductively coupled to the primary coil (2), wherein at least a part of the secondary coils (3, 3a-3l) are arranged laterally shifted to each other with respect to a direction (18) of a primary magnetic flux (20) of the primary coil (2), is characterized in that at least a part of the secondary coils (3, 3a-3l) are arranged axially shifted to each other with respect to a direction (18) of a primary magnetic flux (20) of the primary coil (2), and that at least for said part of the secondary coils (3, 3a-3l) that are laterally shifted to each other, electrically insulating material (5) is provided between the secondary coils (3, 3a-3l). The invention presents an apparatus for current conditioning which allows a smoother increase of the inductance of the primary coil when the primary current increases.



No. of Pages : 53 No. of Claims : 16

(54) Title of the invention : OPENING ROLLER FOR AN OPEN-END SPINNING DEVICE AND OPEN-END SPINNING DEVICE

(51) International classification	:D01H4/00	(71)Name of Applicant :
	:DE 10	1)MASCHINENFABRIK RIETER AG
(31) Priority Document No	2017 129	Address of Applicant :Klosterstrasse 20, 8406 Winterthur,
	152.0	Switzerland Switzerland
(32) Priority Date	:07/12/2017	(72)Name of Inventor :
(33) Name of priority country	:Germany	1)Markus Kuebler
(86) International Application No	:NA	2)Constantin Rieger
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to an opening roller for an open-end spinning device, comprising a drive shaft, and comprising a roller body connected to the drive shaft. The drive shaft can be connected to a driven shaft of a drive with the aid of a coupling device, wherein the drive shaft comprises a coupling element which, in turn, includes a form-locking element. In addition, the invention relates to an open-end spinning device which comprises an opening roller including a drive shaft and comprising a roller body connected to the drive shaft, as well as a drive for the opening roller, comprising a driven shaft. The drive shaft of the opening roller and the driven shaft of the drive are connected to one another with the aid of a coupling device, wherein the drive shaft of the opening roller comprising a coupling element and wherein the driven shaft of the drive comprises a coupling piece. The coupling element of the drive shaft and the coupling piece of the driven shaft each comprise a form-locking element, with the aid of which the coupling element and the coupling piece engage into one another in a form-locking manner.



No. of Pages : 24 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201814045798 A

(19) INDIA

(22) Date of filing of Application :04/12/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : CONTROL DEVICE FOR FUEL PUMP AND CONTROL METHOD THEREOF

(51) International classification	:F04D13/06	(71)Name of Applicant :
(31) Priority Document No	:2017-238769	1)TOYOTA JIDOSHA KABUSHIKI KAISHA
(32) Priority Date	:13/12/2017	Address of Applicant :1, Toyota-cho, Toyota-shi, Aichi-ken,
(33) Name of priority country	:Japan	471-8571, Japan Japan
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Seiji OKAMURA
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A control device for an fuel pump (40) includes an electronic control unit (100). The fuel pump is an electric fuel pump configured to supply fuel to a fuel pipe (34) to which a fuel injection valve (15) disposed within a cylinder of an engine (10) is coupled. The electronic control unit executes an inter-injection discharge control of executing fuel discharge from the fuel pump at a predetermined timing between an Nth fuel injection and an (N+1)th fuel injection from the fuel injection valve. The electronic control unit changes a discharge ratio in accordance with an operational state of the internal combustion engine during the execution of the inter-injection discharge control. The discharge ratio is a ratio of the number of times of fuel discharge from the high-pressure fuel pump to the number of times of fuel injection from the fuel injection valve.



No. of Pages : 101 No. of Claims : 15

(54) Title of the invention : YARN WINDING MACHINE, YARN WINDING METHOD, AND YARN STORAGE CONTROL PROGRAM

(51) International classification	:D01H9/00	(71)Name of Applicant :
(31) Priority Document No	:2017-238049	1)MURATA MACHINERY, LTD.
(32) Priority Date	:12/12/2017	Address of Applicant :3, Minami Ochiai-cho, Kisshoin,
(33) Name of priority country	:Japan	Minami-ku, Kyoto-shi, Kyoto 601-8326, Japan Japan
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Noboru NAKAYAMA
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A yarn winding machine includes: an air spinning device; a winding device; a yarn storage device; a drive part; and a control part repeatedly performing acceleration control and deceleration control, the acceleration control being increasing rotation speed of the drive part to a range upper-limit speed equal to or higher than a storage-amount decreasing speed, the deceleration control being reducing the rotation speed of the drive part to a range lower-limit speed equal to or lower than a storage-amount increasing speed. The control part performs 10 storage-amount decreasing control of increasing the rotation speed of the drive part to a first set speed that is higher than the range upper-limit speed after winding for the package is started.



No. of Pages : 48 No. of Claims : 16

(54) Title of the invention : LATHE

(51) International classification	:B23C 7/02	(71)Name of Applicant :
(31) Priority Document No	:17 207	1)GDW Werkzeugmaschinen GmbH
(32) Priority Date	:033.6	Address of Applicant :Groe Bauerngasse 58, 91315 Hchstadt
(33) Name of priority country	:13/12/2017	a. d. Aisch, Germany. Germany
(86) International Application No	:EPO	(72)Name of Inventor :
Filing Date	:NA	1)ORT, Hans
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a lathe comprising a main slide (1) movable manually back and forth on a machine bed in a z-direction and a cross slide (2) movable back and forth manually on the main slide (1) in an x-direction, which runs perpendicularly to the z-direction, a first drive (5) with a first motor (6) which is connected or can be connected via a first gearing (7) to a main rod (8), a second drive (9) with a second motor (10) which is connected or can be connected via a second gearing (11) to a guide rod (12) and/or a feed rod (13), a first rotary angle detection device (14) for detecting a first rotary angle of the first drive rod (5) or the main rod (8), a second rotary angle detection device (15) for detecting a second rotary angle of the sec-ond drive (9) or the guide rod (12) and/or feed rod (13), and a controller (16) connected to the first (5) and second drive (9) and also the first (14) and second rotary angle detection device (15), which controller is designed such that a first rotary movement of the main rod (8) can be coupled with a second rotary movement of the guide rod (12) in accordance with a predefined gear ratio.



No. of Pages : 18 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201814045918 A

(19) INDIA

(22) Date of filing of Application :05/12/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : SECURE SEAMLESS ACCESS CONTROL

(51) International classification	:G07C9/00087
(31) Priority Document No	:62/596,139
(32) Priority Date	:08/12/2017
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)CARRIER CORPORATION
Address of Applicant :17900 Beeline Highway, Jupiter,
Florida 33458 U.S.A.
(72)**Name of Inventor :**
1)KUENZI, Adam
2)PURDUE, Adam

(57) Abstract :

A method of secure access through a wireless connection is provided. The method includes detecting availability of an access control wirelessly by a mobile device. A predicted intent is determined of a user of the mobile device to have the access control open a lock. The method determines whether a relay attack is detected. Based on detection of the relay attack, a prompt to confirm an intent of the user of the mobile device to have the access control open a lock is determined. Based on non-detection of the relay attack, a lock actuator is activated through the access control to open the lock responsive to a credential based on affirmatively confirming the intent or the predicted intent.



No. of Pages : 36 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201814046366 A

(19) INDIA

(22) Date of filing of Application :07/12/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : AUTOMOTIVE TRANSMISSION FLUID COMPOSITIONS FOR IMPROVED ENERGY EFFICIENCY

(51) International classification	:C10M165/00	(71)Name of Applicant :
(31) Priority Document No	:15/836,990	1)INFINEUM INTERNATIONAL LIMITED
(32) Priority Date	:11/12/2017	Address of Applicant :P.O. Box 1, Milton Hill, Abingdon,
(33) Name of priority country	:U.S.A.	Oxfordshire OX13 6BB, United Kingdom U.K.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Kim, Hahn Soo
(87) International Publication No	: NA	2)KAHSAR, Laura A.
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An automatic transmission fluid comprises a major amount of an oil of lubricating viscosity and minor amounts of (a) one or more oil-soluble or dispersible molybdenum-containing compounds, and (b) a reaction product of an isomerized alkenyl-substituted succinic anhydride and a polyamine characterized by structure (II): In structure (II) x and y are independently zero or integers from 1 to 30, where x + y is from 1 to 30 , and z is zero or an Integer from 1 to 10.

No. of Pages : 29 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201814046371 A

(19) INDIA

(22) Date of filing of Application :07/12/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : RAILWAY VEHICLE BODY AND ASSOCIATED METHOD

(51) International classification	:B61D	(71)Name of Applicant :
(31) Priority Document No	:17 62075	1)ALSTOM Transport Technologies
(32) Priority Date	:13/12/2017	Address of Applicant :48 rue Albert Dhalenne, 93400 SAINT-
(33) Name of priority country	:France	OUEN, FRANCE France
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)AWTUCH Bernard
(87) International Publication No	: NA	2)LALOY AUX Laurent
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a railway vehicle body, the body comprising at least one floor module, at least one wall module and at least one roof module, the modules being connected to one another by rivets. The rivets comprise lower rivets (50) connecting each wall module to the floor module, the lower rivets (50) comprising at least one group of stiffening rivets (54) including at least three stiffening rivets (50A, 50B, 50C, 50D) that are all arranged along a curve (C) formed in a plane perpendicular to a transverse direction of the body, and having a first end (56) with a first tangent (60) and a second end (58) with a second tangent (62), said first and second tangents (60, 62) forming an angle (a) between them smaller than or equal to 90°.



No. of Pages : 16 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201814046372 A

(19) INDIA

(22) Date of filing of Application :07/12/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : METHOD OF ASSEMBLING A RAIL VEHICLE BODY

(51) International classification	:B61J 1/00	(71)Name of Applicant :
(31) Priority Document No	:17 62080	1)ALSTOM Transport Technologies
(32) Priority Date	:13/12/2017	Address of Applicant :48 rue Albert Dhalenne, 93400 SAINT-
(33) Name of priority country	:France	OUEN, FRANCE France
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)AWTUCH Bernard
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This assembly method comprises the following steps: - creating a numerical model of at least one specific module (76); - dimensioning in the numerical model, the position of fixing holes (60) in the specific module (76) the dimensioning of each fixing hole (60) being defined at least with respect to one edge of the specific module (70) extending in a direction of greater length (B-B) of the specific module (76) and with respect to an axis (X-X) transverse to the longer direction (B-B); - supply of the specific module (76); - drilling the fixing holes (60) in the specific module (76) by a drilling device at the position listed in the numerical model; and - assembling the body, the assembly comprising attaching the specific module (76) to at least one adjacent module by means of fixing means inserted into the fixing holes (60) drilled in the specific module (76).



No. of Pages : 18 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201814046373 A

(19) INDIA

(22) Date of filing of Application :07/12/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : LOW ASH AND ASH-FREE ACID NEUTRALIZING COMPOSITIONS AND LUBRICATING OIL COMPOSITIONS CONTAINING SAME

(51) International classification	:C10M159/20
(31) Priority Document No	:15/837,010
(32) Priority Date	:11/12/2017
(33) Name of priority country	:U.S.A.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)INFINEUM INTERNATIONAL LIMITED

Address of Applicant :P.O. Box 1, Milton Hill, Abingdon, Oxfordshire OX13 6BB, United Kingdom U.K.

(72)Name of Inventor :

1)EMERT, Jacob

2)TUNDEL, Rachel E.

3)WRIGHT, Peter M.

4)AGARWAL, Sandip

5)LI, Xinhua

6)McLELLAN, Joseph M.

7)REUST, Patrick W.

(57) Abstract :

An oleaginous nanoparticle dispersion of nanoparticles having a core of an organic base material immobilized within a surfactant layer, the use thereof as a low ash, or ash-free source of TBN in lubricating oil compositions, and lubricating oil compositions formulated with such oleaginous nanoparticle dispersions.

No. of Pages : 31 No. of Claims : 26

(54) Title of the invention : GAS SENSOR ELEMENT AND GAS SENSOR

(51) International classification	:G01N 27/41	(71)Name of Applicant : 1)NGK Spark Plug Co., Ltd.
(31) Priority Document No	:2017- 237611	Address of Applicant :14-18, Takatsuji-cho, Mizuho-ku, Nagoya-shi, Aichi 4678525 (JP) Japan
(32) Priority Date	:12/12/2017	(72)Name of Inventor :
(33) Name of priority country	:Japan	1)SASAKI Hisashi
(86) International Application No	:NA	2)YAMAGIWA Katsuya
Filing Date	:NA	3)OHTSUKA Shigehiro
(87) International Publication No	: NA	4)KOZUKA Hisashi
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

[Objective] To provide a gas sensor element and a gas sensor that can detect a gas even in a low temperature environment. [Means for Solution] In the gas sensor element, at least one of a pair of electrodes has a structure in which at least an intermediate layer and an electrode layer are stacked in this order on a solid electrolyte body. The electrode layer contains a rare earth element-doped ceria and a perovskite oxide having a perovskite crystal structure and containing element La and is formed to be porous so that the electrode layer has a plurality of pores therein. In the gas sensor element, the ratio of the pores is 10 vol% to 40 vol%, the ratio of the perovskite oxide is 10 vol% to 70 vol%, and the ratio of the rare earth element-doped ceria is 12 vol% to 70 vol%.



No. of Pages : 54 No. of Claims : 5

(54) Title of the invention : ENGINE

(51) International classification	:F01P11/00	(71)Name of Applicant :
(31) Priority Document No	:2017-238841	1)YAMAHA HATSUDOKI KABUSHIKI KAISHA
(32) Priority Date	:13/12/2017	Address of Applicant :2500 Shingai, Iwata-shi, Shizuoka
(33) Name of priority country	:Japan	4388501 Japan Japan
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Taisuke ENDO
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A cylinder head (11) includes a mating surface (26) to be attached to a head cover (10) through a gasket (25). The mating surface (26) is remote from an exhaust port (36) toward the head cover (10). A shroud (33) includes an opening (51), a mating surface air guide pathway (47) and a wall portion (52). An exhaust pipe (37) is inserted through the opening (51). The mating surface air guide pathway (47) directs part of outdoor air taken by a cooling fan (30) to the mating surface (26) so as to cool the mating surface (26). The wall portion (52) is disposed between the opening (51) and the mating surface air guide pathway (47), while being disposed adjacently to at least part of the opening (51), whereby the wall portion (52) inhibits the outdoor air from being discharged from the opening (51). The mating surface air guide pathway (47) directs part of the outdoor air to in-between of the mating surface (26) and the exhaust port (36).



No. of Pages : 33 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201814045538 A

(19) INDIA

(22) Date of filing of Application :03/12/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : ENGINE AND STRADDLED VEHICLE WITH ENGINE

(51) International classification	:F01M	(71)Name of Applicant :
(31) Priority Document No	:2017-238843	1)YAMAHA HATSUDOKI KABUSHIKI KAISHA
(32) Priority Date	:13/12/2017	Address of Applicant :2500 Shingai, Iwata-shi, Shizuoka
(33) Name of priority country	:Japan	4388501 Japan Japan
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Satoshi KAWAKAMI
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A first shaft portion of a crankshaft is disposed inside a crankcase. A second shaft portion of the crankshaft protrudes from the crankcase. A power generator includes a rotor and a stator. The rotor is fixed to the second shaft portion. The stator includes a hole through which the second shaft portion is inserted, and is fixed to the crankcase. A seat is disposed between the crankcase and the stator. The seat, at least in part, is made of elastic material. The seat is interposed between the crankcase and the stator, while being pressed by the crankcase and the stator.



No. of Pages : 27 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201814045554 A

(19) INDIA

(22) Date of filing of Application :03/12/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : STERILIZATION-ASSISTANCE DEVICE

(51) International classification	:A61L2/00	(71)Name of Applicant :
(31) Priority Document No	:15/834,233	1)ETHICON, INC.
(32) Priority Date	:07/12/2017	Address of Applicant :U.S. Route 22, Somerville, New Jersey
(33) Name of priority country	:U.S.A.	08876 U.S.A.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)FRYER, Ben
(87) International Publication No	: NA	2)CHIN, Han
(61) Patent of Addition to Application Number	:NA	3)AMIN, Behnam
Filing Date	:NA	4)MAJDANISHABESTARI, Raya
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A sterilization-assistance device is described herein. In some embodiments, the sterilization-assistance device comprises a dry booster and at least one measurement device attached to the dry booster. In various embodiments, the at least one measurement device may include a strain gauge. In various embodiments, the at least one measurement device may include a pressure sensor. In various embodiments, the at least one measurement device may include a pressure sensor and a strain gauge. The sterilization assistance device may also include a communication module. The communication module may be a wireless-communication module. The measurement device may provide indications that the dry booster has become detached from an endoscope during a sterilization procedure.



No. of Pages : 24 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201814045637 A

(19) INDIA

(22) Date of filing of Application :03/12/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : SPRING ASSEMBLY WITH A TRANSVERSE ATTACHMENT SITE

(51) International classification	:F16F3/00	(71)Name of Applicant :
(31) Priority Document No	:15/836,808	1)GENERAL KINEMATICS CORPORATION
(32) Priority Date	:08/12/2017	Address of Applicant :5050 Rickert Road, Crystal Lake,
(33) Name of priority country	:U.S.A.	Illinois 60014, USA U.S.A.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Kerry Quinn
(87) International Publication No	: NA	2)Ed Steffes, Jr.
(61) Patent of Addition to Application Number	:NA	3)Matt Pennington
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A spring assembly includes a resilient member having a first and second end shanks and a central helical portion. The first end shank extends in a first direction from the central helical portion, and has a longitudinal axis from a proximal end to a distal end. The second end shank extends in a second, opposite direction from the central helical portion, and has a longitudinal axis from a proximal end to a distal end. The central helical portion includes one or more coils disposed about a central longitudinal axis, and has a first end attached to the proximal end of the first end shank and a second end attached to the proximal end of the second end shank. The axes of the shank ends and the axis of the central helical portion are parallel or are collinear. The assembly also includes an attachment site at each of the end shanks.



No. of Pages : 28 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201814046405 A

(19) INDIA

(22) Date of filing of Application :07/12/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : LUGGAGE MANAGEMENT SYSTEM AND LUGGAGE MANAGEMENT METHOD

(51) International classification	:B65G 47/00 (	(71)Name of Applicant : 1)TOYOTA JIDOSHA KABUSHIKI KAISHA Address of Applicant :1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571, Japan Japan
(31) Priority Document No	:2017- 237975	(72)Name of Inventor : 1)Kei KANAOKA 2)Shun MAEDA 3)Yoshihiro MUROZAKI 4)Hiroko TSUJIMURA 5)Daiki KANEICHI 6)Kuniaki JINNAI
(32) Priority Date	:12/12/2017	
(33) Name of priority country	:Japan	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A luggage management system (1) includes: a locking/unlocking device (300) mounted in a vehicle (10) and configured to lock and unlock the vehicle in response to a request from a terminal (200), the terminal being used by a user who delivers luggage; an imaging device (11) configured to capture an image of an inside of a predetermined area located in the vehicle, the predetermined area being used as a delivery place of the luggage; a control device (304) configured to cause the imaging device to capture the image in the predetermined area when the locking/unlocking device locks or unlocks the vehicle in response to the request, and store the image; and a determination unit (3042) configured to determine, based on a result of comparison between a reference image and a comparison image, whether the luggage has been carried away from the predetermined area.



No. of Pages : 93 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201814046414 A

(19) INDIA

(22) Date of filing of Application :07/12/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : FLUID INJECTION CONTROL SYSTEM AND FLUID CIRCULATION SYSTEM

(51) International classification :F02M25/0227
(31) Priority Document No :201711306378.4
(32) Priority Date :08/12/2017
(33) Name of priority country :China
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)DANFOSS (TIANJIN) LTD.
Address of Applicant :No. 5 Fuyuan Road, Wuqing
Development Area, Tianjin, 301700, China China
(72)Name of Inventor :
1)MA, He
2)SHANG, Zhiwei
3)YAO, Li
4)LI, Guocun
5)ZAMANA, Luigi

(57) Abstract :

A fluid injection control system, a fluid injection control method and a fluid circulation system including the fluid injection control system are provided. The fluid injection control system includes an injection valve, control apparatus and energy storage apparatus. The injection valve is arranged in a path along which a fluid flows into a device; the energy storage apparatus is configured to supply, in response to the control apparatus being powered off, power to the control apparatus so as to maintain an operation of the control apparatus.



No. of Pages : 26 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201814046425 A

(19) INDIA

(22) Date of filing of Application :07/12/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : GAS SENSOR ELEMENT AND GAS SENSOR

(51) International classification	:G01N 27/41
(31) Priority Document No	:2017- 237610
(32) Priority Date	:12/12/2017
(33) Name of priority country	:Japan
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)NGK Spark Plug Co., Ltd.

Address of Applicant :14-18, Takatsuji-cho, Mizuho-ku,
Nagoya-shi, Aichi 4678525 (JP) Japan

(72)Name of Inventor :

1)SASAKI, Hisashi

2)YAMAGIWA, Katsuya

3)OHTSUKA, Shigehiro

4)KOZUKA, Hisashi

(57) Abstract :

[Objective] To provide a gas sensor element and a gas sensor that can detect a gas even in a low temperature environment. [Means for Solution] In the gas sensor element, at least one of a pair of electrodes has a structure in which an intermediate layer and an electrode layer are stacked together. The electrode layer contains a rare earth element-doped ceria and a perovskite oxide having a perovskite crystal structure and containing element La and element Fe. The intermediate layer has a structure in which a first layer formed of (La-Zr-Ln-Ce-O) and a second layer formed of (La-Zr-Ln-Ce-Fe-O) are stacked together. When a cross section of the gas sensor element is observed using an in-lens secondary electron detector of a scanning electron microscope, the percent coverage of the first layer with the second layer is 90% or less.



No. of Pages : 61 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201814046606 A

(19) INDIA

(22) Date of filing of Application :10/12/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : CONTROLLER AND METHOD FOR COMPRESSOR, COMPRESSOR ASSEMBLY AND REFRIGERATION SYSTEM

(51) International classification	:F25B49/02
(31) Priority Document No	:201711306983.1
(32) Priority Date	:08/12/2017
(33) Name of priority country	:China
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)DANFOSS (TIANJIN) LTD.
Address of Applicant :No. 5 Fuyuan Road, Wuqing
Development Area, Tianjin, 301700, China China
(72)**Name of Inventor :**
1)SHANG, Zhiwei
2)YAO, Li
3)LI, Guocun
4)MA, He

(57) Abstract :

Embodiments of the disclosure provide a controller for a compressor and a control method, a compressor assembly, and a refrigeration system, which improve control efficiency and reliability. The controller includes an obtaining module configured to obtain at least one operation state parameter of the compressor, and a controlling module configured to shut off a liquid injection valve if one of the at least one operation state parameter of the compressor meets a protection action condition, wherein the liquid injection valve is configured to regulate flow of fluid injected into the compressor.



No. of Pages : 27 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201814046616 A

(19) INDIA

(22) Date of filing of Application :10/12/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention :DENTAL IMPLANT •

(51) International classification	:A61C8/00
(31) Priority Document No	:BE2017/0171
(32) Priority Date	:13/12/2017
(33) Name of priority country	:Belgium
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)Sudimplant

Address of Applicant :24 Impasse Ren Couzinet, ZI de la Plaine, 31500 Toulouse, France France

(72)Name of Inventor :

1)BENHAMOU, Olivier

(57) Abstract :

A dental implant comprising a core manufactured in metal and a sleeve having an internal wall and nested by sliding on an upper part of the core in such a manner that the internal wall is located faced to that upper part of the core, which sleeve is manufactured from ceramic or Peek, a gap being left between the core and the internal wall of the sleeve in such a manner that an adhesive layer can be lodged in a space formed by the presence of that gap, wherein said gap has a distance situated between 5 and 30 μm , in particular between 10 and 20 μm .



No. of Pages : 8 No. of Claims : 3

(54) Title of the invention :PROTECTIVE MECHANISM FOR CANISTER •

(51) International classification

:B65D
81/02

(31) Priority Document No

:2017-
237869

(32) Priority Date

:12/12/2017

(33) Name of priority country

:Japan

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)SUZUKI MOTOR CORPORATIONAddress of Applicant :300, Takatsuka-cho, Minami-ku,
Hamamatsu-shi, Shizuoka-ken, Japan Japan

(72)Name of Inventor :

1)Akihiro YAMAGUCHI**2)Naoto KONDOU**

(57) Abstract :

A canister protective mechanism includes a protective cover attached to a canister using a bracket. The protective cover has a side wall which covers a side surface of the canister which faces a propeller shaft in a width-wise direction of a vehicle. The side wall has a bulge which expands toward the propeller shaft. The bulge includes a contact surface that is a flat surface oriented at an angle to face the propeller shaft. The contact surface is located farthest away from the side wall on the bulge and extends along a line radiating from a front end of the propeller shaft. This structure serves to minimize a risk that the canister is subjected to load from the propeller shaft when the vehicle undergoes a side collision.



No. of Pages : 24 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201814046838 A

(19) INDIA

(22) Date of filing of Application :11/12/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : MULTI-BEAM SPLITTING USING SPATIAL BEAM SEPARATION

(51) International classification	:G02B26/123	(71)Name of Applicant :
(31) Priority Document No	:62/597652	1)Novartis AG
(32) Priority Date	:12/12/2017	Address of Applicant :Lichtstrasse 35, 4056 Basel,
(33) Name of priority country	:U.S.A.	Switzerland Switzerland
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)TOBIAS JURA RAPOPORT
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A multi-beam splitter enables superimposing overlay content onto an optical field of view of a microscope using a compact and flexible design that is cost-effective for many applications. The multi-beam splitter also enables capturing of the optical field of view without the overlay content.



No. of Pages : 29 No. of Claims : 30

(54) Title of the invention :ROAD FINISHER WITH PIVOTING MATERIAL DEFLECTOR •

(51) International classification	:E01C19/48	(71)Name of Applicant :
(31) Priority Document No	:17206966.8	1)JOSEPH V-GELE AG
(32) Priority Date	:13/12/2017	Address of Applicant :Joseph-Vgele-Strae 1, 67067
(33) Name of priority country	:EPO	Ludwigshafen/Rhein, Germany Germany
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Thomas SCHMIDT
(87) International Publication No	: NA	2)Martin SEIBEL
(61) Patent of Addition to Application Number	:NA	3)Philipp STUMPF
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a road finisher (1) with an undercarriage (5) with two traction tracks (83). The road finisher (1) further comprises a chassis (3), a hopper (7), mounted on the chassis (3) at the front of the road finisher (1) with respect to a paving direction (F), for receiving paving material, and a paving screed (17), provided on the rear of the road finisher (1) with respect to the paving direction (F), for compacting the paving material. This paving screed is attached to the chassis (3) through pulling arms (9). The road finisher (1) also comprises a lifting device (29) which is designed to lift the chassis (3) relative to the undercarriage (5) at least in a rear region of the road finisher (1). The invention is characterized in that a material deflector (71), which can be pivoted relative to the chassis (3), is arranged between the two traction tracks (83).



No. of Pages : 30 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201814046923 A

(19) INDIA

(22) Date of filing of Application :12/12/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention :ROAD FINISHER WITH LIFTABLE CHASSIS •

(51) International classification	:E01C19/48
(31) Priority Document No	:17206941.1
(32) Priority Date	:13/12/2017
(33) Name of priority country	:EPO
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :
1)JOSEPH V-GELE AG
Address of Applicant :Joseph-Vgele-Strae 1, 67067
Ludwigshafen/Rhein, Germany Germany
(72)Name of Inventor :
1)Thomas SCHMIDT
2)Martin BUSCHMANN
3)Tobias GOTTERBARM
4)Martin SEIBEL

(57) Abstract :

The road finisher (1) comprises an undercarriage (5), a chassis (3), a hopper (7), a paving screed (17), and a lifting device (29) for lifting the chassis (3) relative to the undercarriage (5) at least in a rear region of the road finisher (1). A locking element (61) can be moved by device of a locking element actuator (62) between a locked state, in which the locking element (61) mechanically locks the chassis (3) at a predefined transport height relative to the undercarriage (5), and a release state, in which the mechanical locking of the chassis (3) is released at the transport height.



No. of Pages : 26 No. of Claims : 16

(54) Title of the invention :ROAD FINISHER WITH LIFTABLE CHASSIS •

(51) International classification	:E01C19/48	(71)Name of Applicant :
(31) Priority Document No	:17206925.4	1)JOSEPH V-GELE AG
(32) Priority Date	:13/12/2017	Address of Applicant :Joseph-Vgele-Strae 1, 67067
(33) Name of priority country	:EPO	Ludwigshafen/Rhein, Germany Germany
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Thomas SCHMIDT
(87) International Publication No	: NA	2)Martin BUSCHMANN
(61) Patent of Addition to Application Number	:NA	3)Martin SEIBEL
Filing Date	:NA	4)Tobias GOTTERBARM
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The herroad finis (1) comprises an undercarriage (5), a chassis (3), a hopper (7), a paving screed (17), and a lifting device (29) for lifting the chassis (3) relative to the undercarriage (5) at least in a rear region of the road finisher (1). The lifting device (29) comprises a rocker (31) which is mounted rotatably around an undercarriage rotational axis (A) at an undercarriage side bearing surface (35) and rotatably around a chassis rotational axis (B) at a chassis-side bearing surface (43). The lifting device (29) further comprises a length-variable adjustment member (33) connecting a chassis-side link point (49) to a rocker-side link point (51) and configured to change a distance between the chassis-side link point (49) and the rocker-side link point (51) by changing its length to selectively lift or lower the chassis (3) relative to the undercarriage (5). A distance (d) between the chassis rotation axis (B) and the undercarriage rotation axis (A) is greater than a distance (e) between the chassis rotation axis (B) and the chassis-side bearing surface (43).



No. of Pages : 25 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201814046946 A

(19) INDIA

(22) Date of filing of Application :12/12/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : ANTENNA STRUCTURE

(51) International classification

:H01Q
13/12

(31) Priority Document No

:62/597442

(32) Priority Date

:12/12/2017

(33) Name of priority country /region

:U.S.A.

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)Chiun Mai Communication Systems, Inc.

Address of Applicant :No. 4, Minsheng St., Tu-Cheng Dist.,
New Taipei City 236, Taiwan,

(72)Name of Inventor :

1)CHENG-HAN LEE

2)TE-CHANG LIN

3)HUO-YING CHANG

4)MIN-HUI HO

(57) Abstract :

An antenna structure includes a housing, a first feed source, and a second feed source. The first feed source is electrically coupled to a first radiating portion of the housing and adapted to provide an electric current to the first radiating portion. The second feed source is electrically coupled to one of a second radiating portion or a third radiating portion of the housing. The other one of the second radiating portion or the third radiating portion is electrically coupled to the first radiating portion.



No. of Pages : 76 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201814047008 A

(19) INDIA

(22) Date of filing of Application :12/12/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : MEDICATION REMINDER TOOTHBRUSH

(51) International classification	:A61J 7/04	(71)Name of Applicant :
(31) Priority Document No	:15/839,417	1)AP DESIGNS LLC.
(32) Priority Date	:12/12/2017	Address of Applicant :2472 Farnsworth Lane Northbrook, IL
(33) Name of priority country	:U.S.A.	60062, United States of America U.S.A.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)PATEL, Ashlesha
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A medical device has a receptacle and a toothbrush. The receptacle has a container and a closure. The container has an open end and a closed end. The toothbrush has stalk and bristles. The stalk is operatively associated with the closed end and the bristles. The closure selectively closes the open end.



No. of Pages : 31 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201814047017 A

(19) INDIA

(22) Date of filing of Application :12/12/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : ADJUSTMENT OF THE LEVELING CYLINDER SETTING IN A ROAD FINISHER

(51) International classification	:E01C 1/04	(71)Name of Applicant :
(31) Priority Document No	:17206936.1	1)Joseph Vgele AG
(32) Priority Date	:13/12/2017	Address of Applicant :Joseph-Vgele-Str. 1, 67067
(33) Name of priority country	:EPO	Ludwigshafen/Rhein, Germany Germany
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Horst RAMB
(87) International Publication No	: NA	2)Martin BUSCHMANN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Road finisher (1) having an undercarriage (19), a chassis (3) which is adjustable in height relative to the undercarriage (19), an electronic control system (36) and a paving screed (7) which is attached to tie bars (9), the tie bars (9) each being hinged to the chassis (3) at a pull point (15) and the pull points (15) each being adjustable relative to the chassis (3) by means of a leveling cylinder (11). A height adjustment of the chassis (3) can cause a deviation of the actual pull point height (N) from a target pull point height. To correct this deviation, the control system (36) comprises a receiving unit (37) configured to detect an actual pull point height (N), an evaluation unit (39) configured to calculate a deviation of the actual pull point height (N) from a target pull point height caused by a height adjustment of the chassis (3) relative to the undercarriage (19), and a command unit (41), which is configured to automatically at least partially correct the deviation by a correction signal (47) sent from the command unit (41) causing a hydraulic controller (49) to adjust at least one of the leveling cylinders (11).



No. of Pages : 15 No. of Claims : 11

(54) Title of the invention : WEEKLY AND MONTHLY DISPOSABLE WATER GRADIENT CONTACT LENSES

(51) International classification :G02C 7/04
 (31) Priority Document No :62/598,018
 (32) Priority Date :13/12/2017
 (33) Name of priority country :U.S.A.
 (86) International Application No :NA
 Filing Date :NA
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)Novartis AG

Address of Applicant :Lichtstrasse 35, 4056 Basel, Switzerland Switzerland

(72)Name of Inventor :

1)Yongxing QIU**2)John Dallas PRUITT****3)Newton T. SAMUEL****4)Chung-Yuan CHIANG****5)Robert Carey TUCKER****6)Yuan CHANG****7)Ethan LEVEILLE**

(57) Abstract :

The invention is related to contact lenses that not only comprise the much desired water gradient structural configurations, but also have a minimized uptakes of polycationic antimicrobials and a long-lasting surface hydrophilicity and wettability even after going through a 30-days lens care regime. Because of the water gradient structural configuration and a relatively-thick, extremely-soft and water-rich hydrogel surface layer, a contact lens of the invention can provide superior wearing comfort. Further, a contact lens of the invention is compatible with multipurpose lens care solutions present in the market and can endure the harsh lens care handling conditions (e.g., digital rubbings, accidental inversion of contact lenses, etc.) encountered in a daily lens care regime. As such, they are suitable to be used as weekly- or monthly-disposable water gradient contact lenses.



No. of Pages : 156 No. of Claims : 42

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201814047082 A

(19) INDIA

(22) Date of filing of Application :12/12/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : AGITATOR DEVICE

(51) International classification	:F26B 9/08	(71)Name of Applicant :
	:DE 10	1)EKATO RUEHR- UND MISCHTECHNIK
(31) Priority Document No	2017 129	Address of Applicant :HOHE-FLUM-STR. 37 79650
	836.3	SCHOPFHEIM GERMANY Germany
(32) Priority Date	:13/12/2017	(72)Name of Inventor :
(33) Name of priority country	:Germany	1)Dr. Bernd Nienhaus (Mr.)
(86) International Application No	:NA	2)Daniel Stangier (Mr.)
Filing Date	:NA	3)Dr. Thorsten Grebe (Mr.)
(87) International Publication No	: NA	4)Dr. Wolfgang Last (Mr.)
(61) Patent of Addition to Application Number	:NA	5)Nicole Rohn (Ms.)
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention proceeds from an agitator device (10), in particular a non-close-clearance agitator device (10), in particular with respect to a vessel wall, in particular for mixing low-viscosity to medium-viscosity media, having at least one agitation shaft (12) and having at least one outer agitation blade (14) which is held on the agitation shaft (12) and which in at least one section (18) is implemented so as to be arm-shaped. It is proposed that the agitator device (10) has an inner agitation blade (16) which conjointly with the outer agitation blade (14) implements at least one vantype conveying unit (20) which is at least configured for conveying a medium in at least one direction parallel with the agitation shaft (12) and in particular in at least one further direction perpendicular to the agitation shaft (12).



No. of Pages : 38 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201814038432 A

(19) INDIA

(22) Date of filing of Application :10/10/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : ELECTRONIC TRANSACTION ROUTING SYSTEMS AND METHODS

(51) International classification	:G06Q20/10
(31) Priority Document No	:10201710376T
(32) Priority Date	:13/12/2017
(33) Name of priority country	:Singapore
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)MASTERCARD INTERNATIONAL INCORPORATED
Address of Applicant :2000 PURCHASE STREET,
PURCHASE, NY 10577, UNITED STATES OF AMERICA
U.S.A.
(72)**Name of Inventor :**
1)JAIN, Navneet
2)SHARMA, Piyush
3)WADHWA, Ravinder

(57) Abstract :

Systems and methods for routing electronic transactions are disclosed. In one embodiment, a system for routing an electronic transaction comprises: a server and a multiplexer, the server having a computer processor and a data storage device, the data storage device storing instructions operative by the processor to: receive a transaction authorization request from a server associated with an acquirer, the transaction authorization request comprising an indication of a payment card associated with a first payment network; and route the transaction authorization request to the multiplexer in the second payment network, the multiplexer being configured to route the transaction authorization request to the first payment network.



No. of Pages : 32 No. of Claims : 20

(54) Title of the invention : SYSTEMS AND METHODS FOR THRESHOLD DETECTION OF A WIRELESS DEVICE

(51) International classification	:G08B1/00	(71)Name of Applicant :
(31) Priority Document No	:62/598,302	1)Universal City Studios, LLC
(32) Priority Date	:13/12/2017	Address of Applicant :100 Universal City Plaza, Universal
(33) Name of priority country	:U.S.A.	City, CA 91608, USA U.S.A.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Matthew Usi
(87) International Publication No	: NA	2)Tomas Trujillo
(61) Patent of Addition to Application Number	:NA	3)Mark Traynor
Filing Date	:NA	4)Daniel Miller
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A threshold detection system may include multiple wireless devices, wherein each individual wireless device may include a transmitter to transmit a wireless signal. The threshold detection system may also include a receiver array of multiple receivers to detect the wireless signal of each individual wireless device in response to the individual wireless device being in range of the receiver array. The threshold detection system may also include a controller to receive detection signals from the receivers and determine a direction of travel of an individual wireless device relative to a predetermined threshold based on the detection signals. The controller may also determine that the individual wireless device has crossed the predetermined threshold and trigger an audio or visual alert in response to the determination that the wireless device has crossed the threshold and is traveling in an exit direction based on the direction of travel.



No. of Pages : 24 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201814038767 A

(19) INDIA

(22) Date of filing of Application :12/10/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : METHOD AND APPARATUS OF HANDLING BWP INACTIVITY TIMER DURING RANDOM ACCESS PROCEDURE IN A WIRELESS COMMUNICATION SYSTEM

(51) International classification	:H04W72/04	(71)Name of Applicant :
(31) Priority Document No	:62/598,078	1)ASUSTeK COMPUTER INC.
(32) Priority Date	:13/12/2017	Address of Applicant :No.15, Lite Rd., Peitou Dist., Taipei
(33) Name of priority country /region	:U.S.A.	City 112, Taiwan
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Shih, Tun-Huai
(87) International Publication No	: NA	2)Kuo, Richard Lee-Chee
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Methods and apparatuses of handling a bandwidth part (BWP) inactivity timer during a Random Access procedure in a wireless communication system are disclosed herein. In one method, a user equipment (UE) starts a BWP timer for a serving cell operating in a paired spectrum. The UE initiates a contention-based Random Access (RA) procedure on the serving cell and stops the BWP timer. The UE starts the BWP timer upon successful completion of the RA procedure, wherein the UE considers the contention-based RA procedure successfully completed if a Physical Downlink Control Channel (PDCCH) addressed to a Cell Network Temporary Identifier (C-RNTI) of the UE is received and the PDCCH contains an uplink grant for a new transmission.



No. of Pages : 62 No. of Claims : 14

(54) Title of the invention : PROTECTING PARALLEL MULTIPLICATION OPERATIONS FROM EXTERNAL MONITORING ATTACKS

(51) International classification :G06F11/30G06F21/00
 (31) Priority Document No :62/437396
 (32) Priority Date :21/12/2016
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2017/066052
 Filing Date :13/12/2017
 (87) International Publication No :WO 2018/118569
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)DE ALMEIDA, Guilherme, Ozari

2)TRICHINA, Elena

3)DE MULDER, Elke

(57) Abstract :

Systems and methods for protecting from external monitoring attacks cryptographic data processing operations involving universal polynomial hash functions computation. An example method may comprise: receiving an input data block and an iteration result value; performing a first field multiplication operation to produce a new iteration result value, by iteratively processing, starting from a first bit position, bits of a combination of the input data block and the iteration result value, wherein the first bit position is represented by one of: a least-significant bit and a most-significant bit; performing a second field multiplication operation to produce a new mask correction value, by iteratively processing operand bits starting from a second bit position, wherein the second bit position is represented by one of: a least-significant bit and a most-significant bit, and wherein the second bit position is different from the first bit position; applying the new mask correction value to the new iteration result value; and producing, based on the new iteration result value, a value of a cryptographic hash function to be utilized by at least one of: an authenticated encryption operation or an authenticated decryption operation.



No. of Pages : 23 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711043039 A

(19) INDIA

(22) Date of filing of Application :30/11/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : GUIDING SHOE FOR BLIND

(51) International classification

:A61H3/066

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

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Himachal Pradesh India

(72)Name of Inventor :

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2)KAUSHIK RIPUDAMAN

3)KUMAR NEERAJ

4)SHARMA ANSHU

(57) Abstract :

The present disclosure provides a guiding shoe for visually impaired that can provide navigation assistance to visually impaired. The disclosed shoe can include a camera configured to capture one or more images; a control unit configured to detect in real time any or a combination of existence and approaching of an object in close proximity of the user in the field of view of direction of movement of the user, and generate an alert signal based on the detected object in said close proximity of the user; and a communication unit configured to transmit the generated alert signal to a computing device associated with the user, wherein based on the transmitted alert signal the user is alerted regarding existence of the object in close proximity of the user in the field of view of direction of movement of the user.



No. of Pages : 28 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711043090 A

(19) INDIA

(22) Date of filing of Application :30/11/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : SYSTEM AND METHOD FOR MONITORING CONTENT OF A CONTAINER THROUGH A LID

(51) International classification	:G01N35/0099	(71)Name of Applicant :
(31) Priority Document No	:NA	1)VARGHESE, Anupam Abraham
(32) Priority Date	:NA	Address of Applicant :E3, 502, Vatika Lifestyle Homes,
(33) Name of priority country	:NA	Sector 83, Gurugram -122004 Haryana, India. Haryana India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)VARGHESE, Anupam Abraham
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Embodiments of the present disclosure pertain to a lid that can be incorporated for closure of a container, and systems and methods to monitor content of the container through the proposed lid. The proposed lid of the present disclosure includes at least one content sensor, at least one closure/ opening detection sensor, and a microcontroller. The microcontroller obtains any or a combination of one or more parameters of content of the container from the at least one content sensor and container closure status from the at least one closure/ opening detection sensor and generates at least one trigger signal based on analysis of any or a combination of the one or more parameters and the container closure status.



No. of Pages : 41 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201817031702 A

(19) INDIA

(22) Date of filing of Application :23/08/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : METHOD OF ELECTRICAL CIRCUITS DIAGNOSIS OF AVIATION EQUIPMENT (AE) UNIT

(51) International classification :G06Q10/00
(31) Priority Document No :u 2016 03212
(32) Priority Date :28/03/2016
(33) Name of priority country :Ukraine
(86) International Application No :PCT/UA2016/000129
Filing Date :08/11/2016
(87) International Publication No :WO 2017/171687
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)PODRIEZA, Serhii
2)PODRIEZA, Serhii
3)ZADOROZHNYI, Artem
4)KIPROV, Oleksandr
5)SOROKA, Borys
6)TITLIANOV, Yevhenii
7)CHEKMAROVA, Tetiana

(57) Abstract :

The utility model relates to the field of aviation, technology of repair and / or modernization of aircraft, namely the method of diagnosis of the electrical circuit of aviation equipment (AE) unit including multipurpose aircraft type AN and their modifications and M1 helicopters. The main purpose of aircraft of AN type - cargo transportation for small and medium-haul, people transportation, parachuting or people and platforms with cargoes, as well as sanitary configuration for transportation of the wounded. Due to significant investments required for new AE units and particular aircrafts of AN type or purchases of upgraded, it is important to maintain the existing aviation equipment in operation state and possibility of extending the operational life by repairs as per technical state with upgradeability.



No. of Pages : 15 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010152 A

(19) INDIA

(22) Date of filing of Application :15/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : N-CARBOXYANHYDRIDE-BASED-SCALE SYNTHESIS OF ELAMIPRETIDE

(51) International classification :A61K38/07C07K1/02C07K5/10 (31) Priority Document No :62/375579 (32) Priority Date :16/08/2016 (33) Name of priority country :U.S.A. (86) International Application No :PCT/US2017/046021 Filing Date :09/08/2017 (87) International Publication No :WO 2018/034901 (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	(71)Name of Applicant : 1)STEALTH BIOTHERAPEUTICS CORP. Address of Applicant :2nd Floor, Le Prince de Galles 3-5 Avenue des Citronniers MC-98000 Monaco Monaco (72)Name of Inventor : 1)DUNCAN, Scott M. 2)OUDENES, Jan 3)ANDERSEN, Marc W.
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(57) Abstract :

Disclosed are methods of making elamipretide (MTP-131), a peptide compound with therapeutic potential for treating various mitochondrial myopathies. The synthesis of the peptide can be achieved via the use of N-carboxyanhydride-modified amino acid residues, which increases the efficiency of the synthetic process and the purity of the peptide product generated.

No. of Pages : 34 No. of Claims : 64

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010153 A

(19) INDIA

(22) Date of filing of Application :15/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : KIT AND METHOD FOR TOPICAL DELIVERY OF BENEFITS

(51) International classification :A61K8/02A61N1/04A61N5/06
(31) Priority Document No :62/402216
(32) Priority Date :30/09/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/052407
Filing Date :20/09/2017
(87) International Publication No :WO 2018/063875
(61) Patent of Addition to
Application Number :NA
Filing Date :NA
(62) Divisional to Application
Number :NA
Filing Date :NA

(71)Name of Applicant :
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Jersey 08558 U.S.A.
(72)Name of Inventor :
1)BINNER, Curt
2)PAUNESCU, Alexandru

(57) Abstract :

A system for delivering energy to an isolated part of a mammalian body includes an electrically powered patch and a self-supporting adhesive film. The patch has a major surface and comprises a matrix of at least one flexible, biocompatible material which is capable of conforming to the isolated body part. The self-supporting adhesive film has a first non-tacky surface arranged and configured for releasable attachment to the patch and a second tacky surface, opposite the first surface, for adhesive attachment to the isolated body part. The releasable attachment between the self-supporting adhesive film and the electrically powered patch has a lower strength than the adhesive attachment between the film and the isolated body part. Thus, during use the electrically powered patch is removable from the self-supporting adhesive film while leaving the self-supporting adhesive film adhered to the isolated body part.



No. of Pages : 40 No. of Claims : 19

(54) Title of the invention : ELECTRIC DOUBLE LAYER CAPACITOR

(51) International classification

:H01M4/661

(31) Priority Document No

:10-2017-
0170236

(32) Priority Date

:12/12/2017

(33) Name of priority country

:Republic of
Korea

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

: NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

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myeon, Cheongwon-gun, Chungcheongbuk-do, Republic of Korea
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(72)Name of Inventor :

1)SHIN, Jin Sik**2)SHIN, Dal Woo****3)LEE, Mun Soo****4)KIM, Sung Han****5)OH, Mi Hyun****6)YUN, Hyun****7)PARK, Ji Yoon****8)LEE, Kyoung Nam**

(57) Abstract :

Disclosed herein is an electric double layer capacitor (EDLC). The EDLC includes a casing and an electrode body disposed within the casing and having an electrolyte impregnated therein. The electrode body includes at least one positive electrode foil having an electrode material coated on surfaces of one side and the other side thereof, at least one negative electrode foil disposed and stacked to face the positive electrode foil and having an electrode material coated on surfaces of one side and the other side thereof, and at least one isolation film disposed between the positive and negative electrode foils and stacked on the surface of one side or the other side of the positive or negative electrode foil. A porous current collector in which through holes are arranged and formed is used as a negative electrode foil belonging to the one or more negative electrode foils and disposed on an outside of the electrode body.



No. of Pages : 25 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201817046189 A

(19) INDIA

(22) Date of filing of Application :06/12/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : SOLID INSPECTION APPARATUS AND METHOD OF USE

(51) International classification :G01N21/64G01N21/95
(31) Priority Document No :62/443675
(32) Priority Date :07/01/2017
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/065606
Filing Date :11/12/2017
(87) International Publication No :WO 2018/128753
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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1)EARNEY, John Gerhardt
2)PINTO, Joseph Francis
3)BOWEN, M. Shane
4)GRAIGE, Michael S.
5)PITERA, Arthur
6)VENKATESAN, Bala Murali K.
7)YUAN, Dajun A.

(57) Abstract :

An inspection apparatus is provided that comprises an optical target including a solid host material and a fluorescing material embedded in the solid host material. The solid host material has a predetermined phonon energy HOSTPE. The fluorescing material exhibits a select ground energy level and a target excitation (TE) energy level separated from the ground energy level by a first energy gap corresponding to a fluorescence emission wavelength of interest. The fluorescing material has a next lower lying (NLL) energy level relative to the TE energy level. The NLL energy level is spaced a second energy gap FMEG2 below the TE energy level, wherein a ratio of the FMEG2/HOSTPE is three or more.



No. of Pages : 56 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009838 A

(19) INDIA

(22) Date of filing of Application :13/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : INJECTION MONITORING DEVICE AND SYSTEM

(51) International classification :A61M5/315
(31) Priority Document No :62/376109
(32) Priority Date :17/08/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/047427
Filing Date :17/08/2017
(87) International Publication No :WO 2018/035369
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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2)SINGH, Shiv, Kumar
(72)Name of Inventor :
1)SAWHNEY, Nisha
2)SINGH, Shiv, Kumar

(57) Abstract :

A syringe use monitoring device that can attach to a syringe and detect the type of medication being loaded and measure the force applied to the plunger and thus monitor subsequent delivery of medication and delivery pressure as a substance is being injected, and at least one display and/or alarm can indicate normal and/or abnormal conditions so that feedback can be employed during the injection process is provided.



No. of Pages : 33 No. of Claims : 28

(54) Title of the invention : DEVICE FOR DRYING A METAL STRIP

(51) International classification :B21B45/02
 (31) Priority Document No :16 59083
 (32) Priority Date :27/09/2016
 (33) Name of priority country :France
 (86) International Application No :PCT/FR2017/052577
 Filing Date :26/09/2017
 (87) International Publication No :WO 2018/060581
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)FRELIEZ, Jrmie**2)MESTDAGH, Jean**

(57) Abstract :

Treatment device (1) intended for drying a laminated strip (B) comprising: - two crosspieces (2, 3), lower and upper, extending transversely to the metal strip, on either side of the strip, the upper crosspiece (2) embedding an upper pressure cylinder (4) and supporting rollers (5) of said upper pressure cylinder, the lower crosspiece (3) embedding a lower pressure cylinder (6) and the supporting rollers (7) of said lower pressure cylinder, - the actuation means (Vh) and the guiding means enabling the crosspieces (2, 3) to pass from a retracted position, known as idle position, to a close position (P2), known as working position, for which the two pressure cylinders (4, 6), lower and upper, arranged on either side of the strip, transversely to the direction of travel, are each intended to be pressure-applied on the strip by means of said supporting rollers (5, 7) distributed along the length of the pressure cylinder, and along at least two rotating axes (A4; A7) parallel to the longitudinal axis of said pressure cylinder. According to the invention, for each crosspiece (2; 3), lower or upper, - a first compartment (50; 70) supports all said supporting rollers (5; 7) connected to the lower or upper pressure cylinder, the first compartment (50; 70) being a removable element of the crosspiece (2; 3), by sliding said compartment along the longitudinal axis of the crosspiece, - a second compartment (40; 60) supports the pressure cylinder (4; 6), lower or upper, the second compartment being a removable element of the crosspiece, by sliding said compartment along the longitudinal axis of the crosspiece, and such as to enable the extraction of said pressure cylinder (4; 6) by sliding said second compartment (4; 6), while the first compartment (50; 70) and the corresponding supporting rollers (5; 7) are kept in said crosspieces (2; 3).



No. of Pages : 17 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711035536 A

(19) INDIA

(22) Date of filing of Application :06/10/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : MULTIPURPOSE ROOM HEATING APPLIANCE

(51) International classification	:F24C15/30	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Malik Towseef Ali
(32) Priority Date	:NA	Address of Applicant :Marwah District: Kishtwar, Jammu &
(33) Name of priority country	:NA	Kashmir, India. Jammu & Kashmir India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Malik Towseef Ali
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A multipurpose room heating appliance comprising: a cylindrical container (12) with a pre-heating tray (14), said container configured to store water, said tray configured to receiving wood from which moisture is to be removed, which wood serves as fuel for said appliance, said cylindrical container comprising a circular copper tank (18) in which water can be heated by flue gas coming from the burning of wood; a grate chamber (26) located underneath said container (26); plurality of circular rods (22) vertically placed on the circumference of said cylindrical container (12) water tank for maximum area of normal contact with hot gases, which result in heating of rods, each of said rods being filled with high heat capacity material; and an air blower (16) comprising an axial blower (fan) provided at the bottom of said container (12) attached to said tray (14).

No. of Pages : 22 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009641 A

(19) INDIA

(22) Date of filing of Application :12/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : WATER SOLUBLE COMPOSITIONS COMPRISING PURIFIED CANNABINOID

(51) International classification :A61K9/107A61K31/352A61K31/355
(31) Priority Document No :62/380954
(32) Priority Date :29/08/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/049219
Filing Date :29/08/2017
(87) International Publication No :WO 2018/044953
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)CANOPY GROWTH CORPORATION
Address of Applicant :1 Hershey Drive Smiths Falls, Ontario
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(72)Name of Inventor :
1)LEVY, Kurt Aron

(57) Abstract :

This disclosures relates to new compositions and methods for making cannabinoid formulations. In one embodiment, this disclosure provides water soluble compositions comprising a first purified cannabinoid and Vitamin E TPGS. In one embodiment, the disclosure herein comprises a method of making powders comprising heatings material to a first temperature and a second temperature.

No. of Pages : 42 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009643 A

(19) INDIA

(22) Date of filing of Application :12/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : METHOD FOR PROVIDING A REAR-VIEW-MIRROR VIEW OF THE SURROUNDINGS OF A VEHICLE

(51) International classification :B60R1/00
(31) Priority Document No :10 2016 217 488.6
(32) Priority Date :14/09/2016
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2017/067808
Filing Date :14/07/2017
(87) International Publication No :WO 2018/050315
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)VUJICIC, Milica
3)MITROVIC, Aleksandra

(57) Abstract :

The present invention relates to a method for providing a rear-view-mirror view of the surroundings of a vehicle (1). Said method comprises: detecting at least part of the vehicle surroundings in a first image (10) by means of at least one wide-angle camera (3, 4, 5, 6) mounted on the vehicle (1); computing a second image (20) on the basis of the first image (10), wherein the second image (20) corresponds to a mapped field of vision of a first virtual camera which is located at a first position in the vehicle surroundings and depicts a region lying behind the vehicle (1) in the vehicle surroundings; and preparing the second image (20) for a display of a rearview-mirror view.



No. of Pages : 16 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009646 A

(19) INDIA

(22) Date of filing of Application :12/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : ADAPTIVE MODULATION AND CODING METHOD AND BASE STATION

(51) International classification :H04W72/12
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2016/098859
Filing Date :13/09/2016
(87) International Publication No :WO 2018/049562
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)WANG, Yi
2)WANG, Chengyi
3)LIN, Jie

(57) Abstract :

Provided in the present invention are an adaptive modulation and coding method and a base station. The method comprises: a base station receiving a channel quality indicator (CQI) sent by a first terminal; the base station determining a sub-frame for performing scheduling for the first terminal; the base station determining a set of sub-frames to which the sub-frame belongs, the set of sub-frames being a first set of sub-frames or a second set of sub-frames, wherein the first set of sub-frames and the second set of sub-frames correspond to different CQI adjustment amounts respectively; the base station adjusting the CQI according to the CQI adjustment amount corresponding to the set of sub-frames to which the sub-frame belongs; and the base station determining, according to the adjusted CQI, a modulation and coding scheme (MCS) for performing scheduling for the first terminal. In the present invention, a base station maintains CQI adjustment amounts respectively corresponding to a first set of sub-frames and a second set of sub-frames. The present invention is more flexible compared to the prior art, avoids wasting the high SNR of low interference sub-frames as happens with only a single CQI adjustment amount in the prior art, enables an efficient use of the high SNR of low interference sub-frames in a network, and improves downlink data transmission efficiency and throughput rates of the network system.



No. of Pages : 36 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711040336 A

(19) INDIA

(22) Date of filing of Application :12/12/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : A SYSTEM AND METHOD FOR MIND SOLACE

(51) International classification	:G06F19/363	(71)Name of Applicant :
(31) Priority Document No	:NA	1)John Victor
(32) Priority Date	:NA	Address of Applicant :A-179, Shivalik, Malviya Nagar, New
(33) Name of priority country	:NA	Delhi - 110017 Delhi India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)John Victor
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The various embodiments of the present invention provide a system for monitoring and managing of a plurality of health parameters for tracking a mental state of a user. The system comprises a plurality of sensors (101), a plurality of computing devices (102) and a central server (103). The plurality of sensors (101) is wearable on a body of the user to measure a plurality of mental health parameters. The plurality of computing devices (102) is connected wirelessly to the plurality of sensors (101). The central server (103) is connected to the plurality of computing devices (102) through a communication channel (104). The plurality of sensors (101) is customized to monitor a plurality of mental health parameters and map an external environment with a mental reaction.

No. of Pages : 20 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010357 A

(19) INDIA

(22) Date of filing of Application :18/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : ACID-ALPHA GLUCOSIDASE VARIANTS AND USES THEREOF

(51) International classification :C07K16/44

(31) Priority Document No :16306149.2

(32) Priority Date :12/09/2016

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2017/072945

Filing Date :12/09/2017

(87) International Publication No :WO 2018/046775

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)GENETHON

Address of Applicant :1 bis, rue de l'Internationale 91000

EVRY France

2)SORBONNE UNIVERSITE

(72)Name of Inventor :

1)MINGOZZI, Federico

2)RONZITTI, Giuseppe

3)COLELLA, Pasqualina

4)PUZZO, Francesco

(57) Abstract :

The present invention relates to variants of acid-alpha glucosidase and uses thereof.



No. of Pages : 57 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010361 A

(19) INDIA

(22) Date of filing of Application :18/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : MEASUREMENT METHOD FOR THE DETERMINATION OF A VALUE OF A VISUAL CORRECTION NEED FOR NEAR VISION OF AN INDIVIDUAL

(51) International classification :A61B3/028A61B3/09A61B3/11
(31) Priority Document No :16306180.7
(32) Priority Date :15/09/2016
(33) Name of priority country :EPO
(86) International Application No:PCT/EP2017/073198
Filing Date :14/09/2017
(87) International Publication No :WO 2018/050778
(61) Patent of Addition to
Application Number :NA
Filing Date :NA
(62) Divisional to Application
Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Essilor International
Address of Applicant :147 Rue de Paris 94220 Charenton-Le-Pont France
(72)Name of Inventor :
1)HERNANDEZ-CASTANEDA, Martha
2)BARANTON, Konogan
3)CARRIER, John

(57) Abstract :

The invention is related to a measurement method for determining a value of a visual correction need for near vision of an individual in a natural posture for near vision wherein a recognizing limit distance is determined so that the individual is able to recognize at least one predetermined symbol disposed farther than said limit distance relatively to the individual and unable to recognize said at least one predetermined symbol disposed closer to the individual than said limit distance, wherein a portable medium displaying said at least one predetermined symbol is displaced in front of the face and eyes of the individual to change a frontal distance between his/her eyes and the portable medium and in which when a recognizing limit distance is detected by the individual, said limit distance is measured and the value of the visual correction need is determined from said measured limit distance, wherein said visual correction need comprises an accommodation compensation need.

No. of Pages : 18 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010363 A

(19) INDIA

(22) Date of filing of Application :18/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : METHOD FOR DETERMINING AN UPDATED VISUAL CORRECTION NEED FOR DESIGNING A NEW VISION CORRECTING DEVICE

(51) International classification	:A61B3/028G06F19/00	(71)Name of Applicant :
(31) Priority Document No	:16306179.9	1)Essilor International
(32) Priority Date	:15/09/2016	Address of Applicant :147 Rue de Paris 94220 Charenton-Le-Pont France
(33) Name of priority country	:EPO	(72)Name of Inventor :
(86) International Application No	:PCT/EP2017/073200	1)ALLIONE, Pascal
Filing Date	:14/09/2017	2)BONNIN, Thierry
(87) International Publication No	:WO 2018/050780	3)SAHLER, Jean
(61) Patent of Addition to Application Number	:NA	4)GUEU, Stphane
Filing Date	:NA	5)MAURICE, Sbastien
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention is related to a method for determining an updated visual correction need for designing a new vision correcting device of an individual already having a previous vision correcting device previously designed to correct his/her vision, wherein, in a first step, a previous level of correction of the previous vision correcting device is acquired, in a second step, a current vision acuity parameter of the individual wearing said previous vision correcting device is assessed, and, in a third step, said updated visual correction need is determined based on said previous level of correction of the previous vision correcting device acquired in the first step and on said current vision acuity parameter assessed in the second step. A complementary visual correction need can also be determined.

No. of Pages : 16 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010364 A

(19) INDIA

(22) Date of filing of Application :18/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : DEVICE AND METHOD FOR MAGNETIC SEPARATION

(51) International classification :B03C1/28B03C1/30
(31) Priority Document No :2017443
(32) Priority Date :09/09/2016
(33) Name of priority country :Netherlands
(86) International Application No :PCT/NL2017/050591
Filing Date :11/09/2017
(87) International Publication No :WO 2018/048304
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)MHD TECHNOLOGIES B.V.
Address of Applicant :Simon Stevinstraat 1 3261 MG Oud-
Beijerland Netherlands
(72)Name of Inventor :
1)WOLFS, Paulus
2)HAGELSTEIN, Robbie

(57) Abstract :

The invention relates to an apparatus (100) for removing magnetizable particles in a substance, the apparatus (100) comprising a magnetic separation chamber (110) for filtering magnetizable particles and flocs from the substance, wherein the magnetic separation chamber (110) comprises a first housing (112) that defines a first space (114) through which the substance can flow, as well as at least one first magnet (116) of which a first magnetic field reaches into the first space (114), and which first magnet (116) is located within a first holder (118) that has an interface (120) with the first space (114); and a flocculation chamber (130) for inducing flocculation of the particles in a substance, the flocculation chamber (130) being in fluid connection with the magnetic separation chamber (110); wherein the magnetic separation chamber (110) is located downstream of the flocculation chamber (130), and wherein the flocculation of the magnetizable particles results in magnetizable flocs, and the magnetic field of the first magnet (116) causes the magnetizable flocs to be attracted towards the first magnet (116), thereby removing the flocs of magnetizable particles from the substance.



No. of Pages : 19 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010155 A

(19) INDIA

(22) Date of filing of Application :15/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : PROCESSES FOR THE HYDROGENATION OF PHTHALATE ESTERS

(51) International classification :C07C67/303B01J23/46C07C69/75
(31) Priority Document No :16188173.5
(32) Priority Date :09/09/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/071283
Filing Date :24/08/2017
(87) International Publication No :WO 2018/046306
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)EXXONMOBIL CHEMICAL PATENTS INC.
Address of Applicant :5200 Bayway Drive Baytown, Texas
77520-2101 U.S.A.
2)NA
3)NA
4)NA
(72)Name of Inventor :
1)DE MUNCK, Nicolaas
2)GORIS, Hans
3)VAN DRIESSCHE, Eddy

(57) Abstract :

A process for ring hydrogenation of a benzenepolycarboxylic acid or derivative thereof, which process comprises contacting a feed stream comprising said acid or derivative thereof with a hydrogen-containing gas in the presence of a catalyst under hydrogenation conditions to produce a hydrogenated product, wherein said catalyst comprises a Group VIII metal, a support material and a halogen, and wherein the halogen is present in an amount of from 0.02 to 0.60 % by weight, based on the total weight of the catalyst.

No. of Pages : 18 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010156 A

(19) INDIA

(22) Date of filing of Application :15/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : COMBINATIONS COMPRISING AN SSAO/VAP-1 INHIBITOR AND A SGLT2 INHIBITOR, USES THEREOF

(51) International classification :A61K31/166A61K31/18A61K31/7034
(31) Priority Document No :16194572.0
(32) Priority Date :19/10/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/076300
Filing Date :16/10/2017
(87) International Publication No :WO 2018/073154
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)BOEHRINGER INGELHEIM INTERNATIONAL GMBH
Address of Applicant :Binger Strasse 173 55216 INGELHEIM AM RHEIN Germany
(72)Name of Inventor :
1)RIPPMANN, Joerg
2)KLEIN, Thomas
3)MARK, Michael
4)MAYOUX, Eric, Williams

(57) Abstract :

The invention relates to a pharmaceutical combination according to the invention comprising an SSAO/VAP-1 inhibitor according to the formula (I) wherein R1 to R6, and X are as defined herein, and an SGLT2 inhibitor. In addition the present invention relates to methods for preventing, slowing the progression of, delaying or treating fibrotic disorders, metabolic disorders, inflammation disorders, ocular diseases, neuroinflammatory disorders or cancer in a patient in need thereof characterized in that the pharmaceutical combination according to the invention is administered to the patient.

No. of Pages : 45 No. of Claims : 8

(54) Title of the invention : FUEL DISPENSING ENVIRONMENT UTILIZING IMPROVED WIRELESS NETWORK TOPOLOGY

(51) International classification	:H04W84/18H04W88/12	(71)Name of Applicant :
(31) Priority Document No	:62/376705	1)GILBARCO INC.
(32) Priority Date	:18/08/2016	Address of Applicant :7300 West Friendly Avenue
(33) Name of priority country	:U.S.A.	Greensboro, North Carolina 27410 U.S.A.
(86) International Application No	:PCT/US2017/047560	(72)Name of Inventor :
Filing Date	:18/08/2017	1)WILLIAMS, Rodger K.
(87) International Publication No	:WO 2018/035433	2)PAYNE, Edward A.
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A retail fueling environment comprising a plurality of fuel dispensers located in a forecourt area of the fueling environment. A central controller operative to communicate with a remote payment authorization system to authorize payment of fueling transactions is also provided. The fuel dispensers and the central controller have a respective wireless communication device associated therewith such that the fuel dispensers can communicate with the central controller via wireless transmission. Preferably, the wireless transmission utilizes 802.11p protocol.



No. of Pages : 14 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010158 A

(19) INDIA

(22) Date of filing of Application :15/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : REMOTE MONITORING SYSTEM FOR ROBOT

(51) International classification	:B25J19/06G05B23/02	(71)Name of Applicant :
(31) Priority Document No	:2016-163965	1)KAWASAKI JUKOGYO KABUSHIKI KAISHA
(32) Priority Date	:24/08/2016	Address of Applicant :1-1, Higashikawasaki-cho 3-chome,
(33) Name of priority country	:Japan	Chuo-ku, Kobe-shi, Hyogo 6508670 Japan
(86) International Application No	:PCT/JP2017/030207	(72)Name of Inventor :
Filing Date	:23/08/2017	1)NAKAMURA Masakazu
(87) International Publication No	:WO 2018/038181	2)KAWAI Makoto
(61) Patent of Addition to Application	:NA	3)SHIMIZU Tomoya
Number	:NA	4)KAGAWA Akira
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present system is a remote monitoring system for monitoring states of robots (2) from a location away from a user-side site (1). The system is equipped with: an analysis result data acquisition means (4) for acquiring analysis result data by analyzing motor current data of drive systems of the robots (2) at the user-side site (1); a data server (5) disposed at a remote location away from the user-side site (1) and used for recording the analysis result data acquired by the analysis result data acquisition means (4); a communication means (6) for transmitting the analysis result data to the data server (5); and portable terminals (7) for reading and displaying the analysis result data recorded in the data server (5). In the remote monitoring system, the amount of data to be transmitted from the user-side site to the remote location (communication amount) can be reduced.



No. of Pages : 13 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010159 A

(19) INDIA

(22) Date of filing of Application :15/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : SYSTEM AND METHODS FOR CREATING DYNAMIC NANO GRIDS AND FOR AGGREGATING ELECTRIC POWER CONSUMERS TO PARTICIPATE IN ENERGY MARKETS

(51) International classification :H02J3/00H02J9/04
(31) Priority Document No :62/395230
(32) Priority Date :15/09/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/051808
Filing Date :15/09/2017
(87) International Publication No :WO 2018/053283
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)RACEPOINT ENERGY, LLC
Address of Applicant :886 Main Street Osterville,
Massachusetts 02655 U.S.A.
(72)**Name of Inventor :**
1)MADONNA, Robert P.
2)ESCHHOLZ, Siegmar K
3)DEMEO, Anna E.
4)DILLON, William H.

(57) Abstract :

A group of homes, businesses, or other electric power consuming premises are aggregated and commonly controlled to dynamically reduce loads in sufficient quantities, and with sufficient rapidity and duration, to participate as a market participant in the energy markets including participating as a peaking power plant. While the amount of reduced power consumption for a single premises is typically quite small, the total reduced consumption of an aggregation of just a few thousand homes or businesses may be on the order of hundreds of kilowatts. A premises power controller in conjunction with intelligent circuit breakers, which may include dimmers, enable dynamic management of individual loads in each premises.



No. of Pages : 30 No. of Claims : 41

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009843 A

(19) INDIA

(22) Date of filing of Application :13/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : IMPROVEMENTS IN HANGER BARS

(51) International classification :C25C7/02C25C7/06C25C1/12
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/AU2016/050849
Filing Date :09/09/2016
(87) International Publication No :WO 2018/045407
(61) Patent of Addition to
Application Number :NA
Filing Date :NA
(62) Divisional to Application
Number :NA
Filing Date :NA

(71)Name of Applicant :
1)GLENCORE TECHNOLOGY PTY LIMITED
Address of Applicant :Level 10 160 Ann Street Brisbane,
Queensland 4000 Australia
(72)Name of Inventor :
1)ASLIN, Nigel
2)ERIKSSON, Per Ola

(57) Abstract :

A hanger bar for an electrowinning cell, the hanger bar comprising a bar portion and one or more contact portions adapted, in use, to be brought into contact with an electrical conductor, the contact portions being fabricated from an electrically conductive material, and wherein a welded seal is formed between the bar portion and the contact portions in order to minimise corrosion.



No. of Pages : 21 No. of Claims : 16

(54) Title of the invention : METHODS FOR MAKING FREE FATTY ACIDS AND FATTY ACID DERIVATIVES FROM MIXED LIPID FEEDSTOCKS OR SOAPSTOCKS

(51) International classification:B01D61/02C11B13/02C07C51/15

(31) Priority Document No :62/385883

(32) Priority Date :09/09/2016

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2017/050321
Filing Date :06/09/2017

(87) International Publication No :WO 2018/048935

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)INVENTURE RENEWABLES, INC.

Address of Applicant :1616 25th Ave. Tuscaloosa, Alabama 35401 U.S.A.

(72)Name of Inventor :

1)SUTTERLIN, William Rusty

2)LONG, Ryan Alexander

3)BLANCHARD, Cory Oneil

4)BROWN, John

(57) Abstract :

Provided are methods, processes and systems for treating a soapstock. In alternative embodiments, provided are systems and methods for treating a soapstock to generate free fatty acids and/or fatty acid derivatives, e.g. fatty acid alkyl esters. In alternative embodiments, provided are systems and methods for realizing the full fatty acid yield of a soapstock by first converting substantially all of the saponifiable material in a soapstock to salts of fatty acids (soaps) and acidulating the soaps to generate free fatty acids and/or fatty acid derivatives, e.g. fatty acid alkyl esters, wherein the soapstock comprises soaps and saponifiable lipids, e.g. glycerides and/or phospholipids, and the generating of free fatty acids and/or fatty acid is achieved.



No. of Pages : 33 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009847 A

(19) INDIA

(22) Date of filing of Application :13/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : VERTICAL BAG-MAKING/FILLING MACHINE AND METHOD FOR PRODUCING CONTENT-FILLED FILM PACKAGING BAG

(51) International classification	:B65B9/08B65B9/13	(71)Name of Applicant :
(31) Priority Document No	:NA	1)ORIHIRO ENGINEERING CO., LTD.
(32) Priority Date	:NA	Address of Applicant :478-3 Kannari Tomioka-shi Gunma
(33) Name of priority country	:NA	3702463 Japan
(86) International Application No	:PCT/JP2016/079280	(72)Name of Inventor :
Filing Date	:03/10/2016	1)TSURUTA masataka
(87) International Publication No	:WO 2018/066029	2)IMAI seiichi
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A vertical bag-making/filling machine (1) is provided with: a film-feeding part (8) for intermittently feeding a film (F) that is formed in a tubular form downward; a nozzle (10) for supplying contents (X) into the film; a closing seal part (17), which is disposed below the lower end of the nozzle and is for heat-sealing the film in the transverse direction to form a bag (Fg); a lower molding section (30) for regulating the swelling of the film below the closing seal unit; an upper molding section (40) for regulating the swelling of the film above the closing seal unit; and a detaching unit (25) for cutting the transverse seals (Y1, Y2) formed by the closing seal part to detach a bag (G) that is filled fully with contents.



No. of Pages : 29 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009849 A

(19) INDIA

(22) Date of filing of Application :13/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : DISPLAY WITH POWER SUPPLY MESH

(51) International classification :G09G3/3225H01L27/32
(31) Priority Document No :62/398749
(32) Priority Date :23/09/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/051156
Filing Date :12/09/2017
(87) International Publication No :WO 2018/057348
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)APPLE INC.
Address of Applicant :One Apple Park Way Cupertino, CA
95014 U.S.A.

(72)Name of Inventor :
1)RIEUTORT-LOUIS, Warren, S.
2)CHANG, Ting-Kuo
3)CHEN, Chieh-Wei
4)YU, Cheng-Ho

(57) Abstract :

An organic light-emitting diode display may have an array of pixels. The pixels may each have an organic light-emitting diode with a respective anode and may be formed from thin- film transistor circuitry formed on a substrate. A mesh-shaped path may be used to distribute a power supply voltage to the thin-film circuitry. The mesh-shaped path may have intersecting horizontally extending lines and vertically extending lines. The horizontally extending lines may be zigzag metal lines that do not overlap the anodes. The vertically extending lines may be straight vertical metal lines that overlap the anodes. The pixels may include pixels of different colors. Angularly dependent shifts in display color may be minimized by ensuring that the anodes of the differently colored pixels overlap the vertically extending lines by similar amounts.



No. of Pages : 17 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009863 A

(19) INDIA

(22) Date of filing of Application :14/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : CATALYST FOR ACRYLIC ACID PRODUCTION AND METHOD FOR PRODUCING ACRYLIC ACID

(51) International classification :B01J23/888B01J33/00B01J37/00
(31) Priority Document No :2016-179885
(32) Priority Date :14/09/2016
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2017/032610
Filing Date :11/09/2017
(87) International Publication No :WO 2018/051933
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)TAMURA Kouichi
2)KURAKAMI Tatsuhiko

(57) Abstract :

The purpose of the present invention is to clarify moisture absorption characteristics of a catalyst for acrylic acid production, ascertain a relationship between moisture content in the catalyst and performance as a catalyst for acrylic acid production, and provide an excellent catalyst. Provided is a catalyst for acrylic acid production, which contains molybdenum and vanadium as essential active ingredients and in which the quantity of moisture contained in the catalyst is 0.01-0.53 mass%.

No. of Pages : 13 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009647 A

(19) INDIA

(22) Date of filing of Application :12/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : METHOD AND APPARATUS FOR ASSOCIATING NOTIFICATION MESSAGES, AND MOBILE TERMINAL

(51) International classification	:G06F9/44
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/CN2016/098581
Filing Date	:09/09/2016
(87) International Publication No	:WO 2018/045562
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
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Address of Applicant :Huawei Administration Building,
Bantian, Longgang District Shenzhen, Guangdong 518129 China
(72)**Name of Inventor :**
1)WU, Hesong
2)REN, Lujiang
3)DING, Ning

(57) Abstract :

Disclosed in embodiments of the present invention are a method and apparatus for associating notification messages and a mobile terminal, relating to the technical field of information. In the embodiments of the present invention, by obtaining semantic characteristic values of notification messages in different applications, the notification messages in the different applications, which match the semantic characteristic values, are associated, and the notification messages in different channels (for example, different applications) of associated events on a mobile terminal are associated. The problem in the prior art of decentralization of notification messages easy to be forgotten is resolved, so that a user can conveniently view notification messages of associated events coming from different channels, thereby effectively improving the operation efficiency of the user, and improving the experience of the user.



No. of Pages : 30 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009658 A

(19) INDIA

(22) Date of filing of Application :12/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : SOLVATE FORM OF (R)-2-AMINO-3-PHENYLPROPYL CARBAMATE

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:A61K31/27A61K45/06C07C275/60 :62/383822 :06/09/2016 :U.S.A. :PCT/US2017/050233 :06/09/2017 :WO 2018/048871 :NA :NA :NA :NA	(71)Name of Applicant : 1)JAZZ PHARMACEUTICALS INTERNATIONAL III LIMITED Address of Applicant :Clarendon House 2 Church Street Hamilton, HM11 Bermuda 2)SK BIOPHARMACEUTICALS, CO., LTD. (72)Name of Inventor : 1)NELSON, Jennifer Leigh 2)HURLEY, Fionn
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(57) Abstract :

The present invention relates to a newly identified solvate form of (i)-2-amino-3-phenylpropyl carbamate (APC) hydrochloride, a method of preparing APC hydrochloride, and methods of using the same to treat disorders. The invention further relates to methods of producing APC hydrochloride with increased purity.



No. of Pages : 17 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009659 A

(19) INDIA

(22) Date of filing of Application :12/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : COMPRESSED AIR TURBINE DIRECT CURRENT GENERATOR SYSTEM

(51) International classification :H02K7/18
(31) Priority Document No :201710447309.9
(32) Priority Date :15/06/2017
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/089874
Filing Date :23/06/2017
(87) International Publication No :WO 2018/227652
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)SUZHOU DSM GREEN POWER LTD
Address of Applicant :Zhaoyang Square, Caohu Industrial
Park, Xiangcheng District Suzhou, Jiangsu 215134 China
(72)Name of Inventor :
1)WU, Walter

(57) Abstract :

A compressed air turbine direct current generator system, comprising: an aerodynamic turbine engine; a direct current generator (2) used for generating a direct current by using power output of the aerodynamic turbine engine as a driving input; and a control unit (3) used for controlling the rotating speed of the aerodynamic turbine engine to generate the power output and adjusting the output current and/or the output voltage of the direct current generator (2). The compressed air turbine direct current generator system is miniaturized and has high integration level, effectively overcomes the disadvantages such as low power density and high vibration noise of a power generation system of an internal combustion engine, and has a high industrial application value. The compressed air turbine direct current generator system can be used as an auxiliary power supply in the development process of an electric automobile, thereby effectively resolving the problem of range anxiety of a pure electric automobile.



No. of Pages : 10 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009672 A

(19) INDIA

(22) Date of filing of Application :13/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : DISPOSABLE GRILL AND METHOD OF MANUFACTURING A DISPOSABLE GRILL

(51) International classification :A47J37/07

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/DK2016/050293

Filing Date :02/09/2016

(87) International Publication No :WO 2018/041312

(61) Patent of Addition to Application

Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)NOVO FUTURA IVS

Address of Applicant :Gammel Strandvej 402 3060 Esbjerg, Denmark

(72)Name of Inventor :

1)BRØGGER, Carsten Nygaard

(57) Abstract :

The invention relates to a disposable grill (1) comprising a base tray (2) as an outer grill cover made in a flammable material, a fuel (3) shaped in a combustible biomass material, and an insert structure (4) made in a heat insulating material for holding said fuel (3) and being partly or fully covered by said base tray (2), wherein at least one wall thickness of at least one location in said insert structure (4) being defined by one or more characteristics of said fuel (3) and said base tray (2). The invention also relates to a method of manufacturing a disposable grill.



No. of Pages : 19 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009677 A

(19) INDIA

(22) Date of filing of Application :13/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : MONOVALENT ASYMMETRIC TANDEM FAB BISPECIFIC ANTIBODIES

(51) International classification :A61K39/395A61K51/10C07K16/24
(31) Priority Document No :PCT/CN2016/0095546
(32) Priority Date :16/08/2016
(33) Name of priority country :China
(86) International Application No :PCT/US2017/046875
Filing Date :15/08/2017
(87) International Publication No :WO 2018/035084
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)EPIMAB BIOTHERAPEUTICS, INC.
Address of Applicant :#56, 1335 Pu Chi Road Shanghai
201112 China
(72)Name of Inventor :
1)WU, Chengbin

(57) Abstract :

The invention provides monovalent, asymmetric tandem Fab bispecific antibodies that can bind two epitopes or two antigens, compositions comprising such antibodies, uses of such antibodies, methods of making such antibodies, nucleic acids encoding such antibodies, and host cells comprising such nucleic acids.



No. of Pages : 50 No. of Claims : 74

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009683 A

(19) INDIA

(22) Date of filing of Application :13/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : OPTHALMIC PHARMACEUTICAL COMPOSITIONS AND USES RELATING THERETO

(51) International classification :A61K31/4178A61K9/00A61K31/196
(31) Priority Document No :62/377154
(32) Priority Date :19/08/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2017/001140
Filing Date :18/08/2017
(87) International Publication No :WO 2018/033792
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)ORASIS PHARMACEUTICALS LTD.
Address of Applicant :12 Maskit Street P.O.B. 12929 4673312
Herzliya Israel
(72)Name of Inventor :
1)FEINBAUM, Claes
2)SALAMUN, Franc
3)PATEL, Sudhir

(57) Abstract :

The disclosure relates to ophthalmic pharmaceutical compositions comprising pilocarpine or a pharmaceutically acceptable salt. Aspects of the disclosure further relate to uses and preparations of ophthalmic pharmaceutical compositions comprising pilocarpine or a pharmaceutically acceptable salt, for correcting presbyopia and other ocular conditions in a subject.



No. of Pages : 72 No. of Claims : 40

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009699 A

(19) INDIA

(22) Date of filing of Application :13/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : TOP-DOWN SQUEEZE SYSTEM AND METHOD

(51) International classification :E21B33/134E21B33/14
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/US2016/061986
Filing Date :15/11/2016
(87) International Publication No :WO 2018/093346
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)HALLIBURTON ENERGY SERVICES, INC.
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Houston, TX 77032 U.S.A.
(72)**Name of Inventor :**
1)STROHLA, Nicholas, Lee
2)GRAY, Matthew, Ryan
3)MOELLER, Daniel, Keith

(57) Abstract :

A downhole tool subassembly having an outer sleeve with a first set of apertures extending from an inner bore through an external surface of the outer sleeve. The downhole tool subassembly further includes a pin coupled to the outer sleeve and extending inward from the inner bore of the outer sleeve, and an inner sleeve slidably engaged with the outer sleeve. The inner sleeve has a slot and a second set of apertures extending from a sleeve bore of the inner sleeve through an external surface of the inner sleeve, and is operable to restrict flow across the first set of apertures when the inner sleeve is in a first position. The pin engages the slot, which includes a first tracking path and a second tracking path. The slot also includes a first transition path extending from the first tracking path to the second tracking path.



No. of Pages : 24 No. of Claims : 15

(54) Title of the invention : METHOD AND DEVICE FOR OPTIMISING A PLAN FOR CUTTING BY GUILLOTINE OF PIECES OF GLASS

(51) International classification:G06F17/50C03B33/00G06Q10/04

(31) Priority Document No :1658315

(32) Priority Date :07/09/2016

(33) Name of priority country :France

(86) International Application No :PCT/FR2017/052382

Filing Date :07/09/2017

(87) International Publication No :WO 2018/046861

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)SAINT-GOBAIN GLASS FRANCE

Address of Applicant :18 avenue d'Alsace 92400 Courbevoie France

(72)Name of Inventor :

1)LUCAS, Claire

2)SAUSSET, François

3)TLILANE, Lydia

(57) Abstract :

This method is implemented by computer, making it possible to determine an optimised plan for cutting, by guillotine, a batch of rectangular pieces of glass in at least one glass plate. The pieces are intended, after cutting, to be stacked on at least one stand, the pieces of a stand being placed on the plates according to a predetermined sequence for each stand. The method comprises: - a step (E5) of defining cutting constraints and positioning constraints of said pieces and an optimisation criterion; - creating (E10, E35) a tree comprising a root, leaves each representing a complete cutting plan making it possible to cut all the pieces of said batch, each other node of the tree representing a partial cutting plan, the cutting plan associated with a node of the tree being obtained (E35) by adding to the partial cutting plan associated with the parent node of this node, while respecting said constraints, the next piece of a so-called stand determined according to the predetermined sequence of this stand; and - a step (E100) of selecting a complete cutting plan associated with a leaf of the tree as a function of said optimisation criterion.



No. of Pages : 25 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009713 A

(19) INDIA

(22) Date of filing of Application :13/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : BODY FRAME FOR TWO-WHEELED MOTOR VEHICLE

(51) International classification	:B62K11/04
(31) Priority Document No	:2016-178808
(32) Priority Date	:13/09/2016
(33) Name of priority country	:Japan
(86) International Application No	:PCT/JP2017/031174
Filing Date	:30/08/2017
(87) International Publication No	:WO 2018/051789
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)HONDA MOTOR CO., LTD.
Address of Applicant :1-1, Minami-Aoyama 2-chome, Minato-ku, Tokyo 1078556 Japan
(72)**Name of Inventor :**
1)YAOKAWA Tetsuo
2)UESAKA Toru

(57) Abstract :

This body frame (12) for a two-wheeled motor vehicle comprises: a first frame (34a) extending rearward from a head pipe (14); a second frame (34b) disposed below the first frame (34a) at a distance therefrom; a third frame (16) disposed below the second frame (34b) at a distance therefrom; a plate-shaped first reinforcement member (36) provided between the first frame (34a) and the second frame (34b); and a plate-shaped second reinforcement member (45) provided between the second frame (34b) and the third frame (16). The first reinforcement member (36) and the second reinforcement member (45) are formed so that the contours thereof will be continuous with each other. As a result, the provided body frame for a two-wheeled motor vehicle contributes to a reduction in the number of parts and an increase in rigidity.



No. of Pages : 11 No. of Claims : 2

(54) Title of the invention : ANIMAL FEED AND METHODS TO PROVIDE SUCH FEED

(51) International classification	:A23K10/30A23K50/30	(71)Name of Applicant :
(31) Priority Document No	:2017375	1)NUTRECO NEDERLAND B.V.
(32) Priority Date	:26/08/2016	Address of Applicant :Veerstraat 38 5831 JN Boxmeer
(33) Name of priority country	:Netherlands	Netherlands
(86) International Application No	:PCT/NL2017/050559	(72)Name of Inventor :
Filing Date	:25/08/2017	1)ROUBOS VAN DEN HIL, Petra Johanna
(87) International Publication No	:WO 2018/038615	2)VAN KEMPEN, Theodorus Antonius Theresia Gerardus
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention pertains to a new animal feed comprising Agaricus Blazei Murrl (ABM) mycelium and one or more C1-C16 organic acids. The invention also pertains to a composition comprising Agaricus Blazei Murrl (ABM) mycelium and one or more C1-C16 organic acids, to a corresponding kit-of-parts, to a method to feed an animal by providing feed to the animal comprising Agaricus Blazei Murrl mycelium and one or more C1-C16 organic acids, and to a method to provide animal feed by mixing Agaricus Blazei Murrl mycelium and one or more C1-C16 organic acids with protein and/or carbohydrates and/or fats to provide the feed.



No. of Pages : 12 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009872 A

(19) INDIA

(22) Date of filing of Application :13/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : BASE STATION DEVICE AND QOS CONTROL METHOD IN WIRELESS SECTION

(51) International classification :H04W28/02H04W28/10H04W88/08
(31) Priority Document No :10-2016-0134457
(32) Priority Date :17/10/2016
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2017/006937
Filing Date :30/06/2017
(87) International Publication No :WO 2018/074703
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)SK TELECOM CO., LTD.
Address of Applicant :(Euljiro 2-ga) 65, Eulji-ro Jung-gu
Seoul 04539 Republic of Korea
(72)Name of Inventor :
1)NA, Min Soo
2)CHOI, Chang Soon

(57) Abstract :

The present invention provides a technology for applying a more differentiated QoS, i.e., service quality, for each communication service by realizing differentiated QoS control in more detailed units in a wireless section, without increasing complexity and load compared with an existing bearer-unit QoS control scheme.



No. of Pages : 32 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009874 A

(19) INDIA

(22) Date of filing of Application :14/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : METHOD AND SYSTEM FOR HYDROPHOBIC COATING OF MICROFLUIDIC CHIPS

(51) International classification :B01L3/00B01L3/02C09K3/10	(71)Name of Applicant :
(31) Priority Document No :62/393624	1)PREMIUM GENETICS (UK) LTD.
(32) Priority Date :12/09/2016	Address of Applicant :Alpha Building London Road Stapeley,
(33) Name of priority country :U.S.A.	Nantwich London CW5 7JW U.K.
(86) International Application No :PCT/IB2017/001289	(72)Name of Inventor :
Filing Date :12/09/2017	1)LARSEN, John
(87) International Publication No :WO 2018/047011	2)ZHOU, Yu
(61) Patent of Addition to Application Number :NA	3)XIA, Zheng
Filing Date :NA	
(62) Divisional to Application Number :NA	
Filing Date :NA	

(57) Abstract :

This disclosure concerns a method of providing a hydrophobic coating on a microfluidic chip that promotes the discrete flow of at least one liquid. It includes applying the hydrophobic coating onto an area of the microfluidic chip. The disclosure further includes a microfluidic chip that provides discrete flow of at least one liquid.



No. of Pages : 12 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009907 A

(19) INDIA

(22) Date of filing of Application :14/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : CLEANING APPLIANCE

(51) International classification :A61C17/02A61C17/028A61C17/16
(31) Priority Document No :1616273.7
(32) Priority Date :26/09/2016
(33) Name of priority country:U.K.
(86) International Application No :PCT/GB2017/052518
Filing Date :29/08/2017
(87) International Publication No :WO 2018/055329
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)DYSON TECHNOLOGY LIMITED
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SN16 0RP U.K.
(72)Name of Inventor :
1)TWEEDIE, Robert
2)VINCENT, Christopher
3)BURLINGTON, Geoffrey

(57) Abstract :

A pump assembly for a dental cleaning appliance includes a fluid chamber, a piston, and a drive. The drive rotates a coupling member having two angularly opposed pins. An arm pivotably connected to the piston has a seat for receiving one of the pins to couple the piston to the drive. Through continued rotation of the coupling member, the piston moves within the fluid chamber to draw fluid into the fluid chamber until the second detent contacts the arm to push it away from the first detent to decouple the drive from the piston. This allows a compressed spring to actuate the piston to urge a burst of fluid from the fluid chamber.



No. of Pages : 34 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009912 A

(19) INDIA

(22) Date of filing of Application :14/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : OPTIMIZED SYNTHETIC CONSENSUS IMMUNOGENIC COMPOSITIONS TARGETING THE FOLLICLE STIMULATING HORMONE RECEPTOR (FSHR)

(51) International classification :A61K38/17A61K38/24C07K16/30
(31) Priority Document No :62/380766
(32) Priority Date :29/08/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/049186
Filing Date :29/08/2017
(87) International Publication No :WO 2018/044929
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA
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2)THE WISTAR INSTITUTE OF ANATOMY AND BIOLOGY
3)INOVIO PHARMACEUTICALS, INC.
(72)Name of Inventor :
1)WEINER, David
2)PERALES PUCHALT, Alfredo
3)YAN, Jian
4)SLAGER, Anna Maria

(57) Abstract :

Provided herein is an immunogenic composition comprising a synthetic consensus antigen to Follicle Stimulating Hormone Receptor (FSHR) protein which is abundant in many ovarian cancer sub-types. Also disclosed herein is a method of treating a tumor associated pathology in a subject in need thereof, by administering the immunogenic composition to the subject.



No. of Pages : 66 No. of Claims : 31

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009913 A

(19) INDIA

(22) Date of filing of Application :14/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : LIQUID DETERGENT

(51) International classification :C11D1/83C11D1/72C11D3/20
(31) Priority Document No :2016-185006
(32) Priority Date :23/09/2016
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2017/033417
Filing Date :15/09/2017
(87) International Publication No :WO 2018/056197
(61) Patent of Addition to
Application Number :NA
Filing Date :NA
(62) Divisional to Application
Number :NA
Filing Date :NA

(71)Name of Applicant :
1)LION CORPORATION
Address of Applicant :3-7, Honjo 1-chome, Sumida-ku, Tokyo
1308644 Japan
(72)Name of Inventor :
1)ISHIZUKA Tomotaka
2)KUROKAWA Takayuki

(57) Abstract :

The liquid detergent of the present invention comprises component (A), which is a nonionic surfactant, component (B), which is an anionic surfactant (that is not a higher fatty acid salt), and component (C), which is an organic solvent represented by general formula (c1), the content of component (B) being less than 50 mass%, the mass ratio indicated by component (A)/component (B) being less than 3. (In formula (c1), R31 to R33 are each independently a hydrogen atom or a C1-3 alkyl group, and R34 is a hydrogen atom or an acetyl group.)

No. of Pages : 59 No. of Claims : 3

(54) Title of the invention : HIGH TRANSMISSION GLASSES WITH ALKALINE EARTH OXIDES AS A MODIFIER

(51) International classification:C03C3/087C03C3/091C03C3/093

(31) Priority Document No :62/395406

(32) Priority Date :16/09/2016

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2017/051483

Filing Date :14/09/2017

(87) International Publication No :WO 2018/053078

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

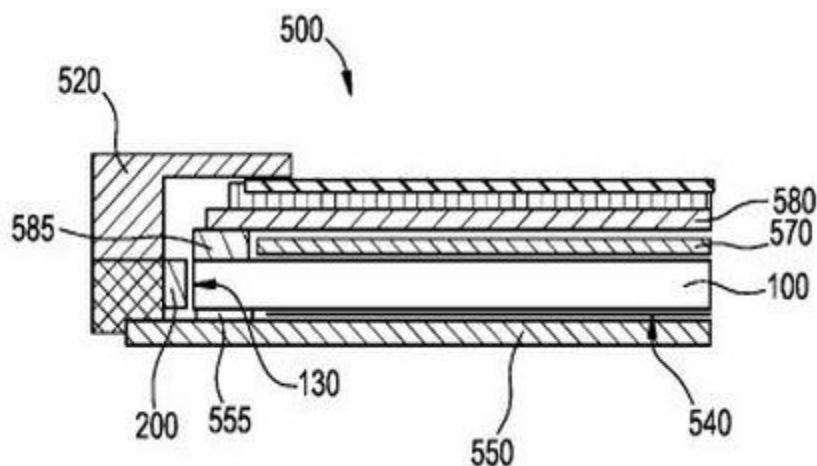
1)CORNING INCORPORATEDAddress of Applicant :1 Riverfront Plaza Corning, New York
14831 U.S.A.

(72)Name of Inventor :

1)LONNROTH, Nadja Teresia

(57) Abstract :

Compounds, compositions, articles, devices, and methods for the manufacture of light guide plates and back light units including such light guide plates made from glass. In some embodiments, light guide plates (LGP) are provided that have similar or superior optical properties to light guide plates made from PMMA and that have exceptional mechanical properties such as rigidity, CTE and dimensional stability in high moisture conditions as compared to PMMA light guide plates.



No. of Pages : 39 No. of Claims : 47

(54) Title of the invention : DEVICE FOR ASSISTED TEETH CLEANING

(51) International classification :A46B9/04A46B5/00A46B7/06
 (31) Priority Document No :EP16380033
 (32) Priority Date :23/09/2016
 (33) Name of priority country :EPO
 (86) International Application No :PCT/ES2017/000116
 Filing Date :22/09/2017
 (87) International Publication No :WO 2018/055218
 (61) Patent of Addition to
 Application Number :NA
 Filing Date :NA
 (62) Divisional to Application
 Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)ZIZ DENTAL CARE S.L.

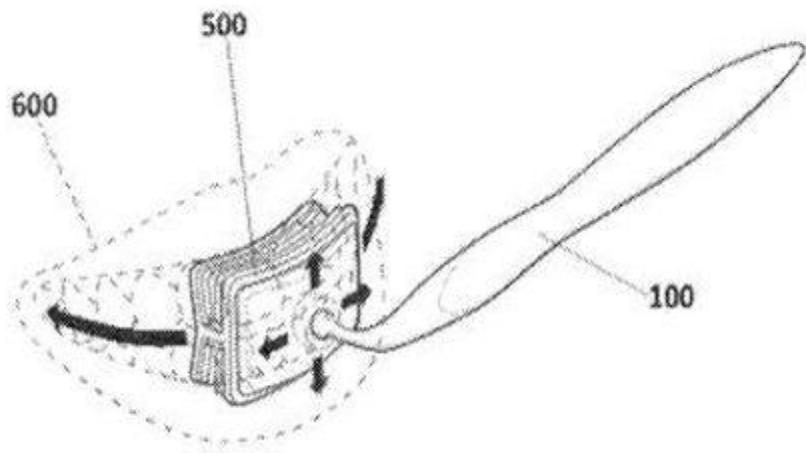
Address of Applicant :c/ Jerez 4 - Portal 5 - 1D 28016 Madrid Spain

(72)Name of Inventor :

1)AGUDO CRESPO, Mara Beln

(57) Abstract :

The invention relates to a device for assisted teeth cleaning, which allows both sides of the teeth to be brushed and both dental arches at the same time, in an assisted manner, for people who are unable to do it themselves, either due to age or disability or a lack of motricity, such that the brushing is carried out by a third party ensuring the correct brushing of all of the teeth of the person who is unable to do it themselves. The device also allows self-brushing with the aim of reducing the cleaning time as well as increasing ease and convenience in the process of brushing the two dental arches. The device can be particularly used to brush the teeth of children, elderly people or people who have a disability or are missing upper limbs. The invention is also very useful for cleaning the teeth of animals and pets.



No. of Pages : 10 No. of Claims : 15

(54) Title of the invention : NOVEL PARATRANSGENIC SYSTEM FOR THE BIOCONTROL OF DISEASE-TRANSMITTING MOSQUITOS

(51) International classification :C12N15/113C12N15/70C12N15/74
 (31) Priority Document No :62/395791
 (32) Priority Date :16/09/2016
 (33) Name of priority country:U.S.A.
 (86) International Application No :PCT/US2017/052118
 Filing Date :19/09/2017
 (87) International Publication No :WO 2018/053451
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)PEBBLE LABS

Address of Applicant :100 Entrada Drive Los Alamos, NM 87544 U.S.A.

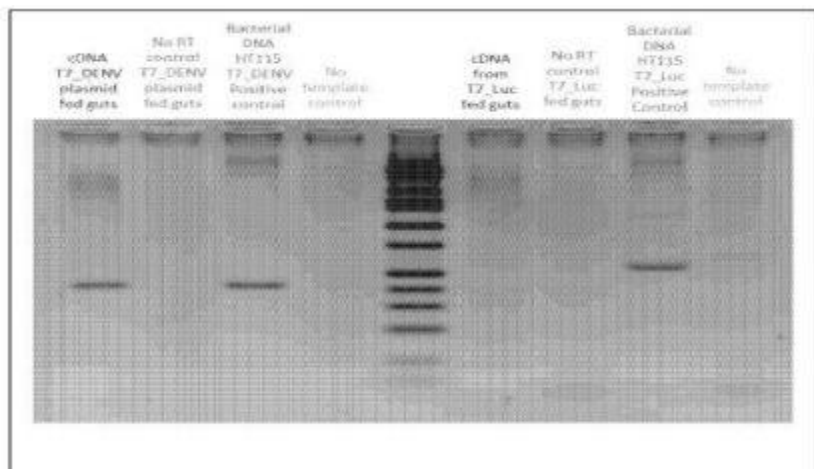
(72)Name of Inventor :

1)RICHARD, Sayre

2)JIAANNONG, Xu

(57) Abstract :

The inventive technology relates to novel paratransgenic strategies for the control of pathogens. The inventive technology may specifically include a novel paratransgenic system configured to deliver one or more inhibitory RNA molecules to pathogen/disease-transmitting organisms. In a preferred embodiment, the invention may include one or more genetically engineered enteric bacteria configured to deliver one or more interfering RNA molecules to pathogen/disease- transmitting mosquitos.



No. of Pages : 86 No. of Claims : 37

(54) Title of the invention : SYSTEM FOR TAPPING AND COLLECTING RUBBER

(51) International classification :A01G23/12A01G23/14
 (31) Priority Document No :62/376394
 (32) Priority Date :18/08/2016
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2017/047543
 Filing Date :18/08/2017
 (87) International Publication No :WO 2018/035427
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)HU, Hanmin

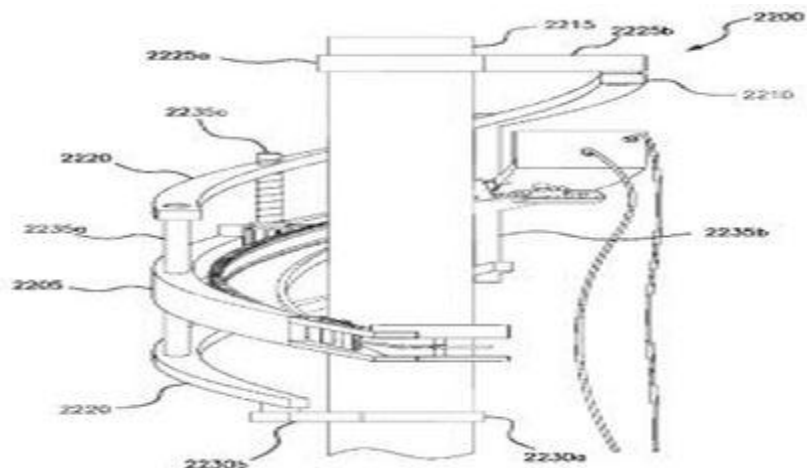
Address of Applicant :6157 64th Avenue, Apt. 3 Riverdale, Maryland 20737 U.S.A.

(72)Name of Inventor :

1)HU, Hanmin

(57) Abstract :

The present invention relates to a system for tapping and collecting rubber. The system includes a tapping apparatus for tapping rubber and a collecting apparatus for collecting tapped rubber. The tapping apparatus includes a rail directing a drill bit or blade to move between one end of the rail to another end of the rail and to remove tree bark during the movement and a mounting structure configured to hold the rail and connect the tapping apparatus to a tree or plant. The collecting apparatus is positioned below the tapping apparatus for collecting rubber that exudes from a cut tree or plant. The collecting apparatus includes a slide and a tube having an opening and a divider that separates the tube into multiple sections.



No. of Pages : 44 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010193 A

(19) INDIA

(22) Date of filing of Application :15/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : 3-PYRIDYL OXYANILINE COMPOUND AND USE OF SAME

(51) International classification :C07D213/69A01N43/40A01P13/00
(31) Priority Document No :2016-165425
(32) Priority Date :26/08/2016
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2017/030249
Filing Date :24/08/2017
(87) International Publication No :WO 2018/038191
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)SUMITOMO CHEMICAL COMPANY, LIMITED
Address of Applicant :27-1, Shinkawa 2-chome, Chuo-ku,
Tokyo 1048260 Japan
(72)Name of Inventor :
1)OHSHITA, Jun

(57) Abstract :

The present invention provides a compound represented by formula (1); and the compound has an excellent controlling effect on weed and is useful as an effective ingredient for herbicides.

No. of Pages : 18 No. of Claims : 4

(54) Title of the invention : MODULAR VEHICLE ENGINE COMPONENT ACTUATOR

(51) International classification :H02K7/116H02K11/30H02K1/27

(31) Priority Document No :62/379057

(32) Priority Date :24/08/2016

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2017/048209

Filing Date :23/08/2017

(87) International Publication No :WO 2018/039343

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)CTS CORPORATION

Address of Applicant :2375 Cabot Drive Lisle, Illinois 60532 U.S.A.

(72)Name of Inventor :

1)STEWART, William, S.**2)SHENG, Yi****3)ZHAO, Lei**

(57) Abstract :

A modular vehicle engine component actuator comprising a first module including a motor, a printed circuit board, and a motor shaft. A second module includes a gear train and an output shaft. The first module is coupled to the second module in a relationship with the motor shaft extending into the second module and into coupling relationship with the gear train in the second module. The first and second modules define respective first and second openings and interior cavities in communication with each other. The first and second modules are coupled together in a relationship with the printed circuit board positioned between the motor in the first module and the gear train in the second module. The motor shaft extends through a hole in the printed circuit board and into coupling relationship with the gear train in the second module.

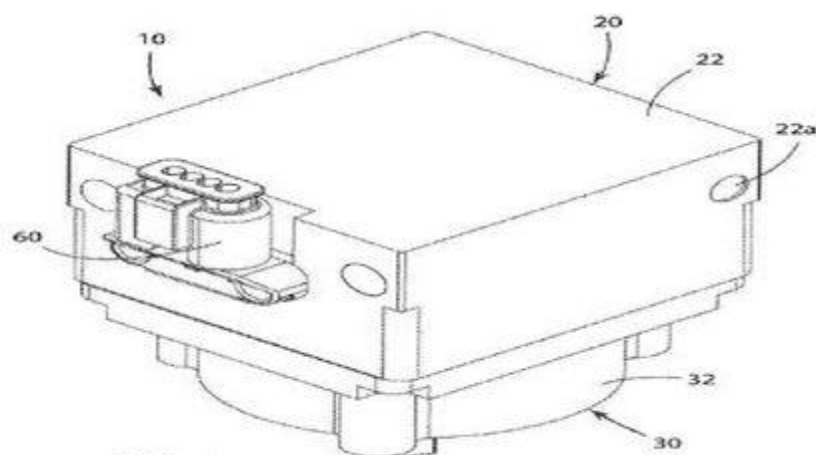


FIG. 1

No. of Pages : 17 No. of Claims : 14

(54) Title of the invention : PRODUCTION OF GLYCOLALDEHYDE BY THERMOLYTIC FRAGMENTATION

(51) International classification :C07C45/60C07C47/19B01J47/02
 (31) Priority Document No :PA 2016 00750
 (32) Priority Date :08/12/2016
 (33) Name of priority country :Denmark
 (86) International Application No :PCT/EP2017/081987
 Filing Date :08/12/2017
 (87) International Publication No :WO 2018/104508
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)HALDOR TOPSÆ A/S

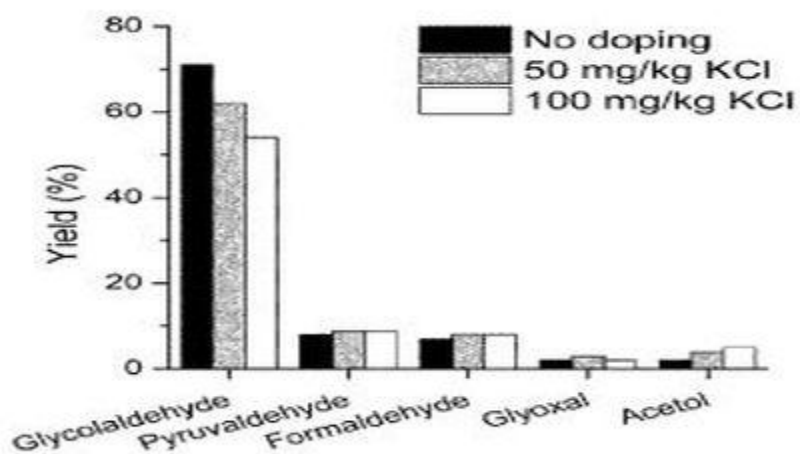
Address of Applicant :Haldor Tops,es All 1 2800 Kgs. Lyngby Denmark

(72)Name of Inventor :

1)OSMUNDSEN, Christian Mrup**2)LARSEN, Morten Boberg**

(57) Abstract :

The present invention relates to a process for the production of glycolaldehyde by thermolytic fragmentation of a carbohydrate feedstock comprising mono- and/or di-saccharide(s) and a system suitable for performing the process. The process and the system are suitable for industrial application, and the process may be performed in a continuous process.



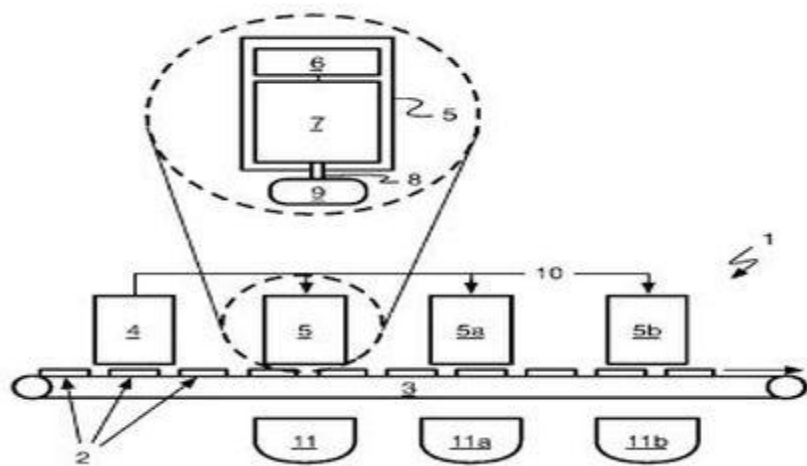
No. of Pages : 21 No. of Claims : 15

(54) Title of the invention : METHOD AND APPARATUS FOR SORTING DISC-SHAPED OBJECTS

(51) International classification	:B65G47/82G07D3/14	(71)Name of Applicant :
(31) Priority Document No	:10 2016 217 432.0	1)MHLBAUER GMBH & CO. KG
(32) Priority Date	:13/09/2016	Address of Applicant :Josef-Mhlbauer-Platz 1 93426 Roding
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2017/071563	(72)Name of Inventor :
Filing Date	:28/08/2017	1)HESSE, Gnter
(87) International Publication No	:WO 2018/050427	2)REITINGER, Andreas
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a device and a method for sorting disc-shaped objects, in particular coins. The device comprises a conveying device configured to convey individual disc-shaped objects along a conveyor path. A discharge unit comprising a pivotable diversion element serves to selectively discharge individual objects which are being conveyed along the conveyor path. The objects are discharged according to a previously determined classification for each object, in a classification system which differentiates between good parts and defective parts. In order to discharge an object, the diversion element is designed to be pivoted by means of a drive into the conveyor path such that, by means of the pivoting movement, the diversion element transfers a mechanical impulse to the object to be discharged. The impulse has, with respect to the direction of movement of the object at the time of the impulse transfer, both a perpendicular and an antiparallel impulse component. The impulse components are selected such that the impulse changes the direction of movement of the object, causing the object to be discharged from the conveyor path. During the sorting of good parts and defective parts, only the conveyed objects which have been classified as good parts in accordance with the classification system are discharged by means of the diversion element.



No. of Pages : 22 No. of Claims : 27

(54) Title of the invention : ELECTRICAL INSULATION SYSTEM BASED ON EPOXY RESINS FOR GENERATORS AND MOTORS

(51) International classification :C08G59/24C08G59/50C08G59/72
 (31) Priority Document No :16191081.5
 (32) Priority Date :28/09/2016
 (33) Name of priority country :EPO
 (86) International Application No :PCT/EP2017/074173
 Filing Date :25/09/2017
 (87) International Publication No :WO 2018/060113
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
1)HUNTSMAN ADVANCED MATERIALS LICENSING (SWITZERLAND) GMBH
 Address of Applicant :Klybeckstrasse 200 4057 Basel Switzerland
2)ISOVOLTA AG
 (72)Name of Inventor :
1)BEISELE, Christian
2)BAER, Daniel
3)STECHEER, Harald

(57) Abstract :

Disclosed is an anhydride-free insulation system for current-carrying construction parts of an electric engine which comprises: (A) a mica paper or mica tape for wrapping parts of said electric engine that are potentially current-carrying during operation of the engine, which mica paper or mica tape is impregnable via vacuum pressure impregnation with a thermally curable epoxy resin formulation and comprises a complex of boron trihalogenide with an amine of the formula BX₃ . NR₁R₂R₃ or R₁R₂N-A-NR₁ R₂, wherein X denotes halogen, R₁, R₂ and R₃ are each independently of the others hydrogen, C₁-C₁₂alkyl, C₅-C₃₀aryl, C₆-C₃₆aralkyl or C₆-C₁₄cycloalkyl, which can be unsubstituted or substituted by one or more C₁- C₁₂alkyl groups, A is a bivalent aliphatic aromatic or cycloaliphatic radical; (B) a thermally curable bath formulation for the vacuum pressure impregnation comprising bisphenol A diglycidyl ether and optionally bisphenol F diglycidyl ether, which formulation is substantially or, preferably, entirely free of thermally activatable curing initiators for the epoxy resin formulation.

No. of Pages : 30 No. of Claims : 15

(54) Title of the invention : HEADLIGHT DEVICE

(51) International classification :F21S8/10F21W101/023F21W101/10
 (31) Priority Document No :2016-178810
 (32) Priority Date :13/09/2016
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2017/031176
 Filing Date :30/08/2017
 (87) International Publication No :WO 2018/051791
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)HONDA MOTOR CO., LTD.

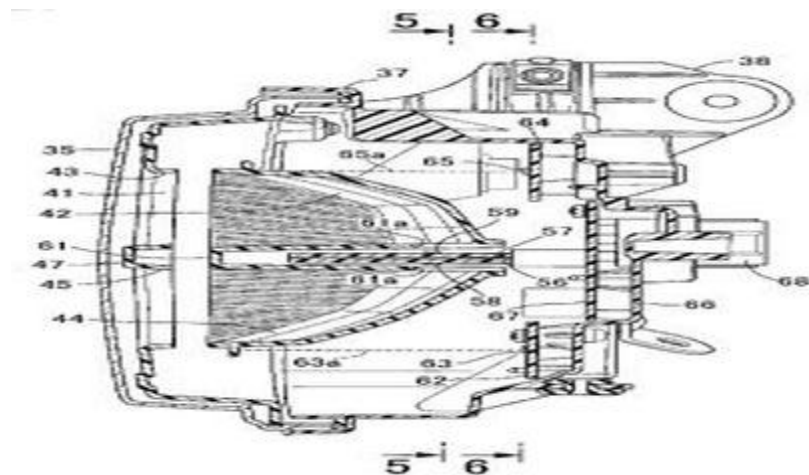
Address of Applicant :1-1, Minami-Aoyama 2-chome, Minato-ku, Tokyo 1078556 Japan

(72)Name of Inventor :

1)KIZAKI Tokujiro

(57) Abstract :

A headlight device (25) is provided with: first light sources (63, 65); shielding parts (42, 44) disposed in front of the first light sources (63, 65); and a frame (41) provided between a housing (37) and a lens (35). Illumination openings (52, 53) for defining the illumination range of light from the first light sources (63, 65) are provided in the frame (41). Accordingly, a headlight device which is capable of reducing the glare, even when equipped with an auxiliary light source, can be provided.



No. of Pages : 12 No. of Claims : 3

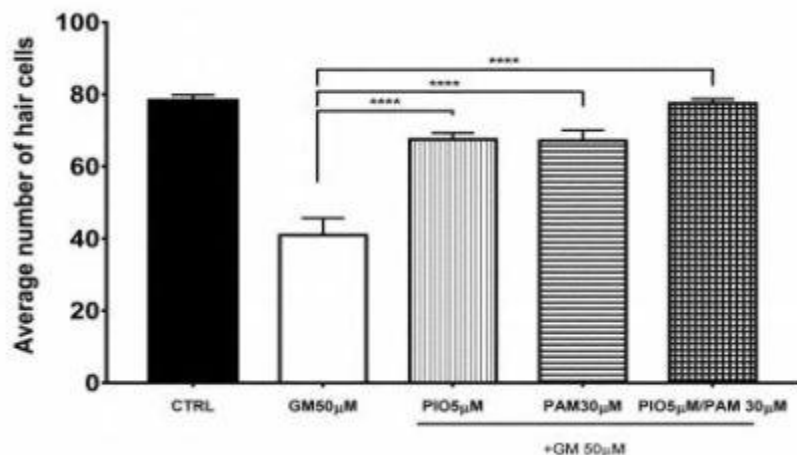
(54) Title of the invention : METHOD OF PREVENTING OR TREATING HEARING LOSS

(51) International classification :A61K31/4439A61K31/519A61P27/16
 (31) Priority Document No :16184541.7
 (32) Priority Date :17/08/2016
 (33) Name of priority country :EPO
 (86) International Application No :PCT/EP2017/070683
 Filing Date :15/08/2017
 (87) International Publication No :WO 2018/033543
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
1)SUPPORT-VENTURE GMBH
 Address of Applicant :c/o Hoffmann & Co AG
 Lautengartenstr. 14 4052 Basel Switzerland
 (72)Name of Inventor :
1)BAUSCH, Alexander

(57) Abstract :

The present invention relates to methods of preventing or treating hearing loss and methods of preventing or inhibiting hair cell degeneration or hair cell death in a subject.



No. of Pages : 61 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009953 A

(19) INDIA

(22) Date of filing of Application :14/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : METHOD FOR PRODUCING CYCLOPROPYL-SUBSTITUTED ACETOPHENONES

(51) International classification :C07C45/58C07C49/813C07C33/50
(31) Priority Document No :16192300.8
(32) Priority Date :05/10/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/074802
Filing Date :29/09/2017
(87) International Publication No :WO 2018/065316
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)BAYER CROPSCIENCE AKTIENGESELLSCHAFT
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am Rhein Germany
(72)Name of Inventor :
1)SCHOTES, Christoph

(57) Abstract :

The invention relates to a method for producing cyclopropyl-substituted acetophenones of formula (I).

No. of Pages : 12 No. of Claims : 10

(54) Title of the invention : HIGH CONVERSION HYDROCRACKING PROCESS AND PLANT

(51) International classification :C10G65/10
 (31) Priority Document No :62/376812
 (32) Priority Date :18/08/2016
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/EP2017/069445
 Filing Date :01/08/2017
 (87) International Publication No :WO 2018/033381
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)HALDOR TOPSØE A/S

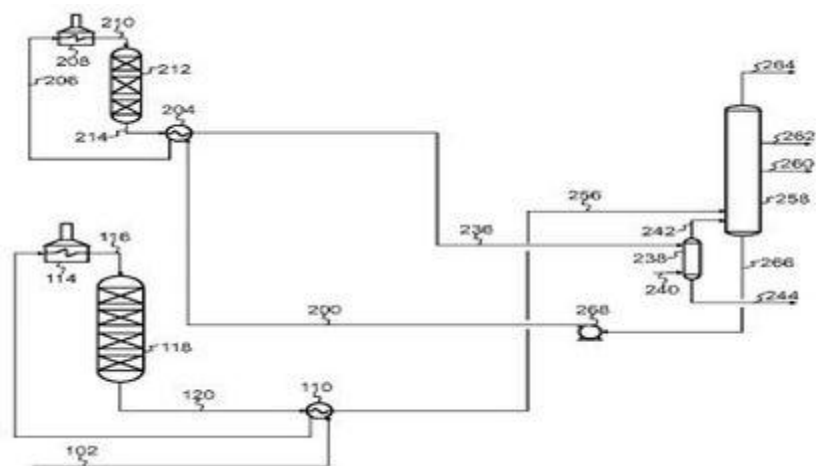
Address of Applicant :Haldor Topsøes All 1 2800 Kgs. Lyngby Denmark

(72)Name of Inventor :

1)HUNTER, Michael Glenn

(57) Abstract :

The present disclosure relates to a process and a process plant for conversion of a hydrocarbon mixture of which at least 95% has a boiling point above 150°C to a lower boiling hydrocarbon product comprising the steps of (a) directing said hydrocarbon mixture to contact a material catalytically active in hydrocracking under hydrocracking conditions (b) providing a first hydrocracked product (c) directing at least an amount of said first hydrocracked product and an amount of a converted hydrocracked product to a product separation step separating it into one or more products and a recycle oil having a higher boiling point than said products (d) directing said recycle oil to contact a second material catalytically active in hydrocracking under hydrocracking conditions providing a second hydrocracked product (e) directing at least an amount of said second hydrocracked product as feed to a second separation step, separating said second hydrocracked product in at least two fractions, a converted hydrocracked product and an unconverted oil an unconverted oil having a higher average boiling point than said recycle oil (f) and withdrawing at least an amount of said unconverted oil as purge, with the associated benefit of such a process ensuring that the separation efficiency for separating the second hydrocracked product in the second separation step is high, such that a minimal amount of HPNA is directed to the product separation step and that HPNA is rejected to ensure that buildup of HPNA is minimized. The feed to the product separation step may be one combined separation section feed stream or a plurality of individual separation section feed streams.



No. of Pages : 26 No. of Claims : 15

(54) Title of the invention : TENSIONER

(51) International classification :F16H7/12
 (31) Priority Document No :15/266114
 (32) Priority Date :15/09/2016
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2017/051597
 Filing Date :14/09/2017
 (87) International Publication No :WO 2018/053150
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)GATES CORPORATION

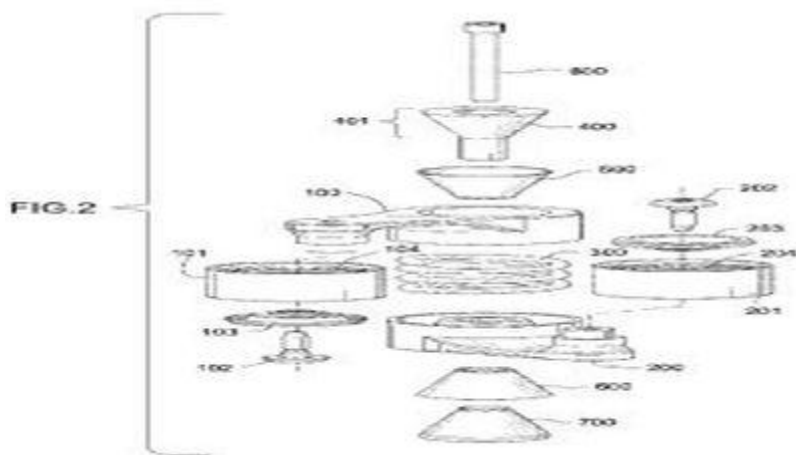
Address of Applicant :1144 15th Street, Suite 1400 Denver, CO 80202 U.S.A.

(72)Name of Inventor :

1)MARTINEZ, Arnaud**2)WICK, Enrico****3)LEUCHT, Volker**

(57) Abstract :

A tensioner comprising a first pivot arm having a first pulley journaled thereto, a second pivot arm having a second pulley journaled thereto, a frustoconical base having a base vertex, a frustoconical pivot shaft having a pivot shaft vertex, the base vertex is oriented opposite the pivot shaft vertex on a common axis, the first pivot arm disposed for pivoting movement about the frustoconical pivot shaft, the second pivot arm disposed for pivoting movement about the frustoconical base, a first bushing damping movement of the first pivot arm on the frustoconical pivot shaft, a second bushing damping movement of the second pivot arm on the frustoconical base, and a spring in compression urging engagement of the first pivot arm with the frustoconical pivot shaft and the second pivot arm with the frustoconical base.



No. of Pages : 9 No. of Claims : 5

(54) Title of the invention : DEVICE AND METHOD FOR COOLING HOT-ROLLED STEEL SHEET

(51) International classification :B21B45/02
 (31) Priority Document No :2016-185395
 (32) Priority Date :23/09/2016
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2017/033248
 Filing Date :14/09/2017
 (87) International Publication No :WO 2018/056164
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)NIPPON STEEL & SUMITOMO METAL CORPORATION

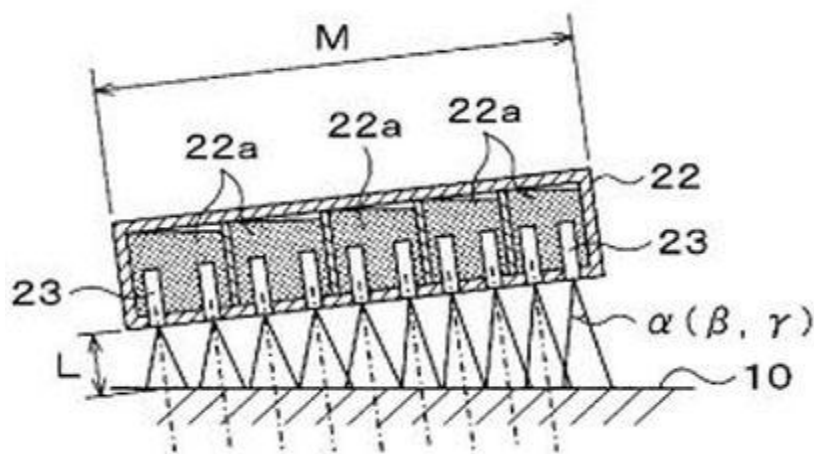
Address of Applicant :6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 1008071 Japan

(72)Name of Inventor :

1)SERIZAWA, Yoshihiro**2)MURAI, Takayuki****3)SUEMATSU, Yoshiaki****4)HAYASHI, Satoru****5)NAKAO, Tomoya****6)NIITANI, Hiroshi**

(57) Abstract :

This cooling device is provided with a plurality of nozzles which spray cooling water towards the upper surface and/or the lower surface of a hot-rolled steel sheet directly after the steel sheet has been rolled by a rolling stand in a hot finish rolling mill. The nozzles are provided in upper and lower guides, or next to the downstream sides of the guides. The nozzle spray distance changes in accordance with the positions of the nozzles in the rolling direction. The spray angle of the nozzle in the position in which the nozzle spray distance is greatest is smaller than the spray angle of the nozzle in the position in which the nozzle spray distance is smallest. The spray angles of the nozzles remain the same or become smaller as the nozzle spray distance increases.



No. of Pages : 58 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009718 A

(19) INDIA

(22) Date of filing of Application :13/03/2019

(43) Publication Date : 14/06/2019

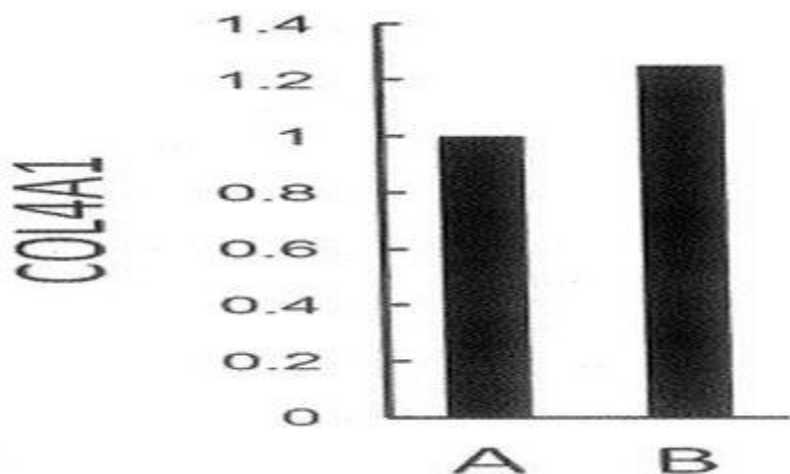
(54) Title of the invention : COMPOSITION FOR EXTERNAL USE THAT INCLUDES PTEROSTILBENE GLYCOSIDE

(51) International classification :A61K8/60A61K31/7034A61P17/00
(31) Priority Document No :2016-160127
(32) Priority Date :17/08/2016
(33) Name of priority country:Japan
(86) International Application No :PCT/JP2017/029571
Filing Date :17/08/2017
(87) International Publication No :WO 2018/034328
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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11 Wo Shing St., Fo Tan, Shatin, N.T. Hongkong(China)
(72)Name of Inventor :
1)HAMADA, Hiroki
2)UESUGI, Daisuke
3)SHIMODA, Kei

(57) Abstract :

The present invention addresses the problem of providing a composition for external use that actualizes an effect for preventing or improving wrinkles or sagging of the skin and/or a composition for external use that actualizes a whitening effect. The problem is solved by providing a composition for external use that includes pterostilbene glycoside.



No. of Pages : 26 No. of Claims : 15

(54) Title of the invention : DEVICE FOR THERMOSTATIC REGULATION OF A FLUID

(51) International classification :G05D23/13
 (31) Priority Document No :1658569
 (32) Priority Date :14/09/2016
 (33) Name of priority country :France
 (86) International Application No :PCT/EP2017/073036
 Filing Date :13/09/2017
 (87) International Publication No :WO 2018/050702
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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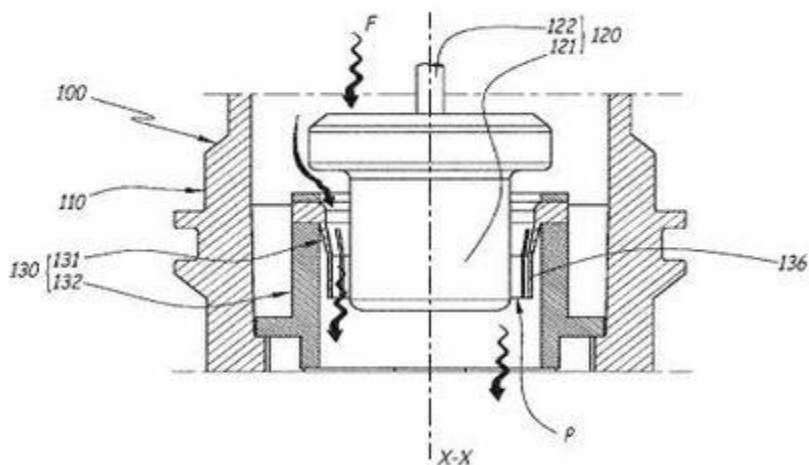
OLLAINVILLE France

(72)Name of Inventor :

1)PLATET, Emmanuel

(57) Abstract :

A device for thermostatic regulation (100) comprises a housing (110), inside of which a fluid flows; a thermostatic element (120) which includes a heat-sensitive portion (121), situated in the flow of the fluid inside the housing, and an actuated portion (122), that can move with respect to the heat-sensitive portion under the effect of this heat-sensitive portion during heating of the latter; a turbulator (130) which is carried by the housing in such a way as to disturb the flow of the fluid over the heat-sensitive portion. In order that this device combines a high value of its maximum permissible flow rate and good thermostatic regulation performance at low flow rate, a passage (P) for circulation of the fluid is defined between the heat-sensitive portion and a flexible portion (131) of the turbulator, this flexible portion being designed so as, when at rest, to throttle the cross-section of the flow passage and in order, under the effect of the flow of the fluid in the passage, to deform in a resilient manner in order to vary the cross-section of the flow of the passage by moving away from the heat-sensitive portion depending on the flow rate of the fluid in the passage.



No. of Pages : 10 No. of Claims : 14

(54) Title of the invention : HOT PRESSING METHOD AND HOT PRESSING SYSTEM

(51) International classification :B21D22/20B21D24/00B21D37/16
 (31) Priority Document No :NA
 (32) Priority Date :NA
 (33) Name of priority country :NA
 (86) International Application No :PCT/JP2016/079386
 Filing Date :04/10/2016
 (87) International Publication No :WO 2018/066045
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)NIPPON STEEL & SUMITOMO METAL CORPORATION

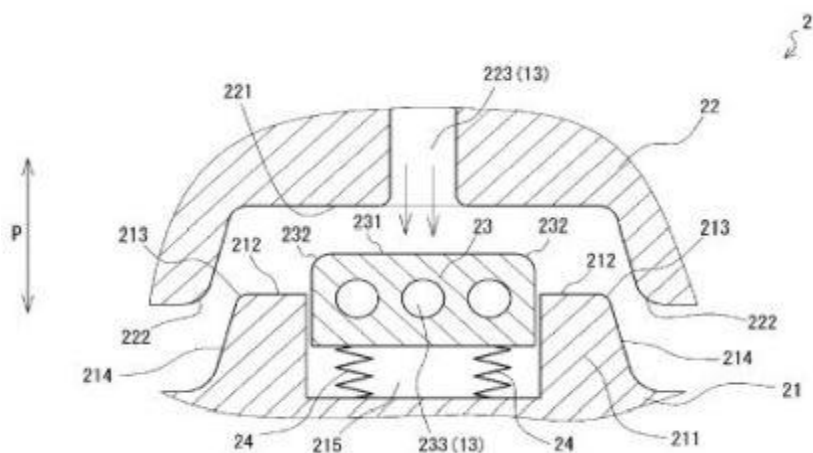
Address of Applicant :6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 1008071 Japan

(72)Name of Inventor :

1)OTSUKA, Kenichiro

(57) Abstract :

In a hot pressing method for manufacturing a press-formed article (8, 9) by hot pressing a blank material (7) using a mold (2, 3) including a punch (21, 31), a die (22, 31) and an inner pad (23, 33) which is propelled so as to protrude toward the die (22, 32), a surface temperature T of the inner pad (23, 33) is cooled to a temperature satisfying the following formula, with 100°C as an upper limit, by causing a refrigerant to flow through a refrigerant pathway (233, 333) after the press-formed article (8, 9) has been removed from the mold (2, 3) until the next blank material (7) is set in the mold (2, 3). $T \leq 100 - (2.3/t) - (h/100) - (\lambda/30) - (W/2) - S$ T: Surface temperature (°C) of inner pad (23, 33) h: Pressing direction dimension (mm) of inner pad (23, 33) t: Thickness (mm) of blank material (7) λ : Thermal conductivity (W/mK) of inner pad (23, 33) W: Volume ratio (mm³/mm³) of refrigerant pathway within inner pad (23, 33) S: Flow rate (mm/sec) of refrigerant in refrigerant pathway (233, 333)



No. of Pages : 59 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009721 A

(19) INDIA

(22) Date of filing of Application :13/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : CLEANING COMPOSITION AND METHOD OF CLEANING AIR INTAKE VALVE DEPOSITS

(51) International classification :C11D1/66C11D3/43C11D11/00

(31) Priority Document No :PCT/US16/51476

(32) Priority Date :13/09/2016

(33) Name of priority country :U.S.A.

(86) International Application No:PCT/US16/51476

Filing Date :13/09/2016

(87) International Publication No :WO 2018/052483

(61) Patent of Addition to :NA

Application Number :NA

Filing Date

(62) Divisional to Application :NA

Number :NA

Filing Date

(71)Name of Applicant :

**1)VALVOLINE LICENSING AND INTELLECTUAL
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Address of Applicant :100 Valvoline Way Lexington, KY
40509 U.S.A.

(72)Name of Inventor :

1)HASINOVIC, Hida

2)TURCOTTE, David, E.

(57) Abstract :

A cleaning composition is particularly suited for cleaning dirty intake valves. The cleaning composition includes a high solvency surfactant/solvent which has a Kb greater than 100 or polar Hansen solubility parameter greater than 6. The surfactant/solvent is combined with a carrier such as water or an organic carrier and a surfactant. A wetting agent may also be employed. The cleaning composition is added to the intake air as a mist as the engine is running. Aqueous and non-aqueous versions are disclosed.

No. of Pages : 10 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010197 A

(19) INDIA

(22) Date of filing of Application :15/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : FIBER REINFORCED POLYPROPYLENE COMPOSITE

(51) International classification :C08L23/12C08L51/06C08K7/06	(71)Name of Applicant :
(31) Priority Document No :16194175.2	1)BOREALIS AG
(32) Priority Date :17/10/2016	Address of Applicant :IZD Tower Wagramer Str. 17-19 1220
(33) Name of priority country :EPO	Vienna Austria
(86) International Application No :PCT/EP2017/076283	(72)Name of Inventor :
Filing Date :16/10/2017	1)LUMMERSTORFER, Thomas
(87) International Publication No :WO 2018/073146	2)JERABEK, Michael
(61) Patent of Addition to Application Number :NA	3)HOCHRADL, Stefan
Filing Date :NA	4)PRETSCHUH, Claudia
(62) Divisional to Application Number :NA	5)RENNER, Karoly
Filing Date :NA	6)SOBCZAK, Lukas
	7)STOCKREITER, Wolfgang
	8)PUKANSZKY, Bla
	9)MOCZO, Janos

(57) Abstract :

The present invention relates to a new composite comprising glass or carbon fibers and polymer-based fibers as well as to a process for the preparation of the composite and molded articles made from said composite.

No. of Pages : 58 No. of Claims : 16

(54) Title of the invention : TEXTILE MACHINE

(51) International classification :B65H67/08D01H15/00
 (31) Priority Document No :2016-187245
 (32) Priority Date :26/09/2016
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2017/034738
 Filing Date :26/09/2017
 (87) International Publication No :WO 2018/056462
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

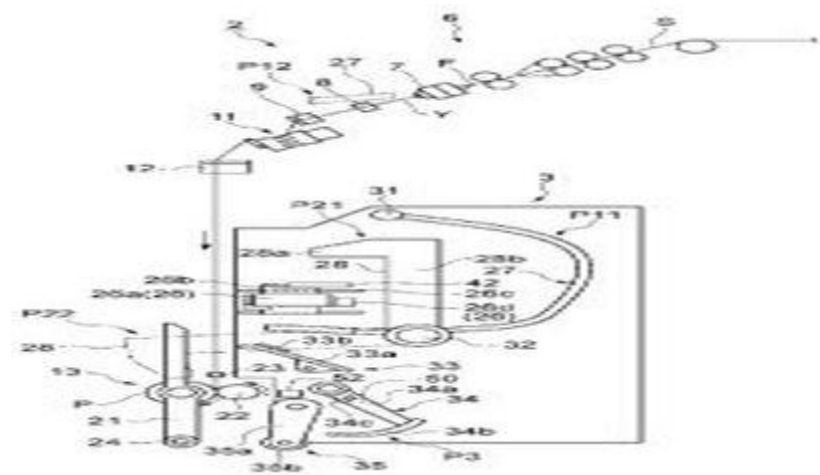
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Minami-ku, Kyoto-shi, Kyoto 6018326 Japan

(72)Name of Inventor :

1)NOMURA Kohei**2)IWATA Shinji****3)TOYODA Takahiro****4)ITO Makoto**

(57) Abstract :

This textile machine 1 is provided with: a plurality of winding units 2; a contact device 34 that can be moved from a contact position P4, at which the contact device 34 is in contact with a package P, to a standby position P3, at which the contact device 34 is spaced apart from the package P; a driving unit 44 for moving the contact device 34 between the contact position P4 and the standby position P3; a carriage 3 having a first detecting unit 50 for detecting a capturing position 28, at which a thread Y is captured from the package P, and the original position of the contact device 34; and a control unit 15 that adjusts the contact position P4, and controls the driving unit 44 so that the contact device 34 is moved a predetermined distance from the original position detected by the first detecting unit 50 and is positioned at the contact position P4 after the adjustment.



No. of Pages : 41 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010200 A

(19) INDIA

(22) Date of filing of Application :15/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : PPAR γ AGONIST FOR TREATMENT OF BLOOD CANCERS

(51) International classification :A61K31/7088C07H21/04C12N15/113
(31) Priority Document No.:62/376749
(32) Priority Date :18/08/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/047578
Filing Date :18/08/2017
(87) International Publication No :WO 2018/035446
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)INTEKRIN THERAPEUTICS, INC.
Address of Applicant :333 Twin Dolphin Drive Suite 600
Redwood City, CA 94065 U.S.A.
(72)**Name of Inventor :**
1)MANTZOROS, Christos

(57) Abstract :

Methods of treatment of blood cancers including leukemia and myeloma with the compound of formula (I) known as INT131:



No. of Pages : 15 No. of Claims : 59

(54) Title of the invention : USE OF LOW PH ACTIVE ALPHA-1,4/1,6-GLYCOSIDE HYDROLASES AS A FEED ADDITIVE FOR RUMINANTS TO ENHANCE STARCH DIGESTION

(51) International classification	:A23K20/189A23K10/14A23K50/10	(71)Name of Applicant :	
(31) Priority Document No	:62/398741	1)DUPONT NUTRITION BIOSCIENCES APS	
(32) Priority Date	:23/09/2016	Address of Applicant :Langebrogade 1 DK-1411 Copenhagen	
(33) Name of priority country	:U.S.A.	K Denmark	
(86) International Application No	:PCT/US2017/051758	(72)Name of Inventor :	
Filing Date	:15/09/2017	1)YU, Shukun	
(87) International Publication No	:WO 2018/057420	2)KRAGH, Karsten Matthias	
(61) Patent of Addition to Application Number	:NA	3)LI, Wenting	
Filing Date	:NA		
(62) Divisional to Application Number	:NA		
Filing Date	:NA		

(57) Abstract :

Disclosed are uses at least one alpha-1,4/1,6-glycoside hydrolase (GLCH) as a feed additive for a ruminant wherein said hydrolase: (a) has at least 20% activity at pH less than or equal to 3 in the presence of pepsin as compared to activity of the hydrolase at pH 6 in the presence of pepsin, (b) said hydrolase is active in at least two of three digestive chambers of a ruminant comprising a rumen, an abomasum and a small intestine and (c) the hydrolase works with pancreatic amylase to increase glucose yield.



No. of Pages : 91 No. of Claims : 16

(54) Title of the invention : SPINNING MACHINE

(51) International classification :D01H15/00B65H69/06
 (31) Priority Document No :2016-187241
 (32) Priority Date :26/09/2016
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2017/034785
 Filing Date :26/09/2017
 (87) International Publication No :WO 2018/056467
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)MURATA MACHINERY, LTD.Address of Applicant :3, Minami Ochiai-cho, Kisshoin,
Minami-ku, Kyoto-shi, Kyoto 6018326 Japan

(72)Name of Inventor :

1)IWATA Shinji**2)TOYODA Takahiro****3)ITO Makoto**

(57) Abstract :

A spinning machine (1) is provided with: a spinning device (7); a winding device (13) for winding yarn (Y) generated by the spinning device to form packages P; a yarn-splicing device (26) for splicing the yarn; a first capturing-guiding device (27) capable of moving to a first yarn-capturing position (P12) and a first yarn-guiding position (P13); a second capturing-guiding device (28) capable of moving to a second yarn-capturing position (P22) and a second yarn-guiding position (P23); a first drive unit (40) for moving the first capturing-guiding device; a second drive unit (42) for moving the second capturing-guiding device; and a control unit (15) for controlling the first capturing-guiding device so that when the first capturing-guiding device contacts another object while moving to the first yarn-capturing position, the control unit 15 continues the movement of the first capturing-guiding device to the first yarn-capturing position.



No. of Pages : 36 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010203 A

(19) INDIA

(22) Date of filing of Application :15/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : PPAR γ AGONIST FOR TREATMENT OF BONE DISORDERS

(51) International classification :A61K31/7088C07H21/04C12N15/113
(31) Priority Document No.:62/376732
(32) Priority Date :18/08/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/047584
Filing Date :18/08/2017
(87) International Publication No :WO 2018/035449
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)INTEKRIN THERAPEUTICS, INC.
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Redwood City, CA 94065 U.S.A.
(72)Name of Inventor :
1)LANFEAR, Dennis

(57) Abstract :

Methods of treatment of bone disorders, including osteoporosis or its symptoms, with PPAR γ agonists, and in particular, the compound of formula (I) known as INT131 : (I)



No. of Pages : 16 No. of Claims : 19

(54) Title of the invention : LITHIUM SECONDARY BATTERY NEGATIVE ELECTRODE INCLUDING PROTECTION LAYER MADE OF CONDUCTIVE FABRIC, AND LITHIUM SECONDARY BATTERY INCLUDING SAME

(51) International classification :H01M4/134H01M4/62H01M10/052
 (31) Priority Document No :10-2016-0126910
 (32) Priority Date :30/09/2016
 (33) Name of priority country :Republic of Korea
 (86) International Application No :PCT/KR2017/010716
 Filing Date :27/09/2017
 (87) International Publication No :WO 2018/062844
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
1)LG CHEM, LTD.
 Address of Applicant :128, Yeoui-daero, Yeongdeungpo-gu, Seoul 07336 Republic of Korea
 (72)Name of Inventor :
1)KIM, Yeeun

(57) Abstract :

The present invention relates to a lithium secondary battery negative electrode including a protection layer made of conductive fabric and, more particularly, to a lithium secondary battery negative electrode and a lithium secondary battery including same, wherein the lithium secondary battery negative electrode includes a conductive fabric, which is formed on at least one surface of the lithium metal layer and includes pores. In the lithium secondary battery adopting the negative electrode having the conductive fabric as the protection layer according to the present invention, precipitation and elimination reactions of lithium metal are induced inside the pores of the protection layer, thus preventing the lithium metal from being formed locally on the surface of the lithium metal. As a result, dendrite formation is suppressed and a uniform surface is formed, and thus cell volume expansion can be suppressed. Furthermore, due to the flexibility and elongation/contraction of the conductive fabric, mechanical stability can be maintained even when precipitation and elimination reactions of the lithium metal occur.



No. of Pages : 21 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009723 A

(19) INDIA

(22) Date of filing of Application :13/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : PLATED STEEL SHEET, METHOD FOR MANUFACTURING HOT-DIP GALVANIZED STEEL SHEET, AND METHOD FOR MANUFACTURING ALLOYED HOT-DIP GALVANIZED STEEL SHEET

(51) International classification :C22C38/00C21D9/46C22C38/58
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/JP2016/081018
Filing Date :19/10/2016
(87) International Publication No :WO 2018/073919
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)NIPPON STEEL & SUMITOMO METAL CORPORATION
Address of Applicant :6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 1008071 Japan
(72)Name of Inventor :
1)HAGA, Jun
2)SANO, Kohichi
3)HAYASHI, Koutarou
4)HAYASHI, Kunio
5)KAMEDA, Masaharu
6)UENISHI, Akihiro
7)KAWATA, Hiroyuki

(57) Abstract :

Provided is a plated steel sheet having a chemical composition including, in terms of mass%, at least 0.03% to 0.70% C, 0.25% to 2.50% Si, 1.00% to 5.00% Mn, 0.100% or less P, 0.010% or less S, 0.001% to 2.500% sol. Al, and 0.020% or less N, with the remainder consisting of iron and impurities, wherein the metal composition thereof includes more than 5.0 vol% residual austenite and more than 5.0 vol% tempered martensite, and the residual austenite has a C content of 0.85 mass% or more.



No. of Pages : 83 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009739 A

(19) INDIA

(22) Date of filing of Application :13/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : A LAYERED FILM

(51) International classification :A61L28/00A61L31/02A61L31/04

(31) Priority Document No :PA 2016 70674

(32) Priority Date :02/09/2016

(33) Name of priority country :Denmark

(86) International Application No :PCT/DK2017/050279

Filing Date :01/09/2017

(87) International Publication No :WO 2018/041320

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)COLOPLAST A/S

Address of Applicant :Holtedam 1 3050 Humlebaek Denmark

(72)Name of Inventor :

1)NIELSEN, Henrik Lindenskov

(57) Abstract :

Disclosed is a layered barrier film having a first product component and a second detachable carrier component. The first product component includes a layer of material selected from a group including polyethylenes, polyethylene copolymers, polypropylene copolymers, thermoplastic polyurethanes, thermoplastic polyester elastomers, thermoplastic polyamide elastomers, thermoplastic elastomer compounds, and/or blends thereof, and a second layer made from at least partially inorganic material. The first product component has high barrier properties and is very soft. The second detachable carrier component is a layer of material selected from a group including polyethylenes, polypropylenes, polyesters, polyamides, and/or blends thereof.



No. of Pages : 11 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009740 A

(19) INDIA

(22) Date of filing of Application :13/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : EXHAUST DEVICE OF INTERNAL-COMBUSTION ENGINE

(51) International classification :F01N13/18F01N1/00F01N1/02
(31) Priority Document No :2016-194804
(32) Priority Date :30/09/2016
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2017/034916
Filing Date :27/09/2017
(87) International Publication No :WO 2018/062256
(61) Patent of Addition to
Application Number :NA
Filing Date :NA
(62) Divisional to Application
Number :NA
Filing Date :NA

(71)Name of Applicant :
1)HONDA MOTOR CO., LTD.
Address of Applicant :1-1, Minami-Aoyama 2-chome, Minato-
ku, Tokyo 1078556 Japan
(72)Name of Inventor :
1)KURASAWA Yuji
2)SUZUKI Junichiro

(57) Abstract :

This exhaust device (20) of an internal-combustion engine (2) is provided with a silencer (20A) having a double-tube structure, and an exhaust pipe (30). An inner tube (21) and an outer tube (22) are in contact with one another. The exhaust pipe (30) and a support member (28) which supports the exhaust pipe (30) are disposed inside the silencer (20A). First welded portions (21h1, 21h2) in which the inner tube (21) and the support member (28) are welded together, and a second welded portion (21W) in which the inner tube (21) and the outer tube (22) are welded together, are formed in the inner tube (21). Slits (21s1, 21s2) are formed between the first welded portions (21h1, 21h2) and the second welded portion (21w) in the inner tube (21).



No. of Pages : 26 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009957 A

(19) INDIA

(22) Date of filing of Application :14/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : COMBINATIONS INCLUDING ABX196 FOR THE TREATMENT OF CANCER

(51) International classification :A61K45/06A61K31/704A61P35/00	(71)Name of Applicant : 1)ABIVAX Address of Applicant :5 rue de la baume 75008 PARIS France
(31) Priority Document No :16306169.0	(72)Name of Inventor :
(32) Priority Date :14/09/2016	1)CRABE, Sandrine
(33) Name of priority country:EPO	2)SCHERRER, Didier
(86) International Application No :PCT/EP2017/073202	3)EHRlich, Hartmut
Filing Date :14/09/2017	4)POULETTY, Philippe
(87) International Publication No :WO 2018/050782	
(61) Patent of Addition to Application Number :NA	
Filing Date :NA	
(62) Divisional to Application Number :NA	
Filing Date :NA	

(57) Abstract :

The present invention concerns an antitumor pharmaceutical combination comprising (i) a compound ABX196 and (ii) at least one chemotherapeutic agent and/or at least one immunotherapeutic agent, for use in the treatment of cancer.



No. of Pages : 67 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009960 A

(19) INDIA

(22) Date of filing of Application :14/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : METHOD FOR UPLINK SCHEDULING AND DEVICES

(51) International classification :H04B7/06

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/CN2016/104355
Filing Date :02/11/2016

(87) International Publication No :WO 2018/081955

(61) Patent of Addition to Application
Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)GUANGDONG OPPO MOBILE

TELECOMMUNICATIONS CORP., LTD.

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Dongguan, Guangdong 523860 China

(72)Name of Inventor :

1)TANG, Hai

2)XU, Hua

(57) Abstract :

Provided are a method for uplink scheduling and devices. The method comprises: a terminal device generates first information according to a downlink reference signal sent by a network device; the terminal device sends the first information to the network device, so that the network device, according to the first information, determines a waveform to be used when the terminal device performs an uplink transmission. The present invention reduces the energy consumption of the terminal device.



No. of Pages : 48 No. of Claims : 15

(54) Title of the invention : CONTROL STATION FOR A CRANE, EXCAVATOR AND SIMILAR

(51) International classification :B66C13/54B66C13/40B66C15/06

(31) Priority Document No :10 2016 011 354.5

(32) Priority Date :20/09/2016

(33) Name of priority country :Germany

(86) International Application No :PCT/EP2017/001104

Filing Date :19/09/2017

(87) International Publication No :WO 2018/054530

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)LIEBHERR-WERK BIBERACH GMBH

Address of Applicant :Memminger Strae 120 88400 Biberach an der Ri Germany

(72)Name of Inventor :

1)HOFMEISTER, Markus**2)TRIELOFF, G¼nter****3)SCHILLING, Hermann**

(57) Abstract :

The invention relates to a control station for controlling a crane, an excavator, a caterpillar or similar construction machines, comprising a seat, several control elements that can be controlled from the seat for inputting control instructions, at least one display device for displaying information and a control unit for generating control signals in accordance with input control instructions and/or providing information on the display device. The invention also relates to a crane comprising said type of control station which can be designed, in particular in the form of an operators cabin. According to one first aspect of the invention, the control elements and/or the display device of the control station and other diverse auxiliary units can be individually configured, personal preferences can be stored and can be recalled when the control station or the crane is controlled by a specific machine driver. The control station comprises large surface displays and control surfaces and other easy to use input means, in order to be able to easily provide and adapt configurations.



No. of Pages : 38 No. of Claims : 37

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009963 A

(19) INDIA

(22) Date of filing of Application :14/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : HYDROXYNORKETAMINE DERIVATIVES FOR THE TREATMENT OF CNS DISORDERS

(51) International classification :C07D265/14A61K31/537A61P25/24
(31) Priority Document No :62/382132
(32) Priority Date :31/08/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/049129
Filing Date :29/08/2017
(87) International Publication No :WO 2018/044896
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)DART NEUROSCIENCE, LLC
Address of Applicant :12278 Scripps Summit Drive San Diego, CA 92131 U.S.A.
(72)Name of Inventor :
1)GOMEZ, Laurent
2)MASSARI, Mark, Eben

(57) Abstract :

Chemical entities of Formula (I): Including enantiomers thereof, wherein R1 has any of the values described herein, and compositions comprising such chemical entities; their preparation; and their use in various methods, including the treatment of depression, pain, cognitive disorders, neurodegenerative disorders, and other neurological and peripheral disorders.

No. of Pages : 105 No. of Claims : 30

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009974 A

(19) INDIA

(22) Date of filing of Application :14/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : METHODS FOR PRODUCING THIOL COMPOUNDS AND SULFIDE COMPOUNDS USING DIPHENYLAMINE OR A PHENOL COMPOUND

(51) International classification	:C07C319/04C07C319/18	(71)Name of Applicant :
(31) Priority Document No	:15/262045	1)CHEVRON PHILLIPS CHEMICAL COMPANY LP
(32) Priority Date	:12/09/2016	Address of Applicant :10001 Six Pines Drive The Woodlands,
(33) Name of priority country	:U.S.A.	Texas 77380 U.S.A.
(86) International Application No	:PCT/US2017/050458	(72)Name of Inventor :
Filing Date	:07/09/2017	1)LASSEN, Kenneth
(87) International Publication No	:WO 2018/049016	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention discloses processes for producing a thiol compound or a sulfide compound from an olefin compound. Diphenylamine or a phenol compound can be used to increase the rate of conversion of the olefin compound to the thiol compound or the sulfide compound.



No. of Pages : 39 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009981 A

(19) INDIA

(22) Date of filing of Application :14/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : NOVEL 5-SUBSTITUTED IMIDAZOLYLMETHYL DERIVATIVES

(51) International classification :C07D233/68C07D233/90C07D401/06
(31) Priority Document No :16191280.3
(32) Priority Date :29/09/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/074058
Filing Date :22/09/2017
(87) International Publication No :WO 2018/060091
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)Name of Inventor :
1)COQUERON, Pierre-Yves
2)BERNIER, David
3)GENIX, Pierre
4)MILLER, Ricarda
5)NAUD, Sebastien
6)WITTROCK, Sven
7)BRUNET, Stephane
8)KENNEL, Philippe
9)MEISSNER, Ruth
10)WACHENDORFF-NEUMANN, Ulrike
11)DAHMEN, Peter
12)NICOLAS, Lionel
13)G-RTZ, Andreas

(57) Abstract :

The present invention relates to novel 5-substituted imidazolylmethyl derivatives, to processes for preparing these compounds, to compositions and mixtures comprising these compounds, and to the use thereof as biologically active compounds, especially for control of harmful microorganisms in crop protection and in the protection of materials and as plant growth regulators.

No. of Pages : 255 No. of Claims : 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010204 A

(19) INDIA

(22) Date of filing of Application :15/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : WORK MANAGEMENT DEVICE, WORK MANAGEMENT METHOD, PROGRAM, CARGO-HANDLING MACHINE

(51) International classification	:B66F9/24G05B19/418	(71)Name of Applicant :
(31) Priority Document No	:2016-188195	1)NEC CORPORATION
(32) Priority Date	:27/09/2016	Address of Applicant :7-1, Shiba 5-chome, Minato-ku, Tokyo
(33) Name of priority country	:Japan	1088001 Japan
(86) International Application No	:PCT/JP2017/031763	(72)Name of Inventor :
Filing Date	:04/09/2017	1)UCHIMURA Jun
(87) International Publication No	:WO 2018/061637	2)TAKAHASHI Hideaki
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A work management device, provided with a reception strength acquisition unit and an alert output unit. The reception strength acquisition unit acquires the received strength of a transportation subject identification signal when a reading device attached to a cargo-handling machine receives the transportation subject identification signal transmitted by a first signal transmission device attached to a transportation subject. The alert output unit outputs alarm information accompanying work carried out on the transportation subject, the alarm information being outputted on the basis of the result of a comparison between the reception strength and a prescribed first threshold value used for outputting of a proximity alert.



No. of Pages : 29 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010205 A

(19) INDIA

(22) Date of filing of Application :15/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : ACETOLACTATE DECARBOXYLASE VARIANTS HAVING IMPROVED SPECIFIC ACTIVITY

(51) International classification	:C12N9/88	(71)Name of Applicant :
(31) Priority Document No	:62/395592	1)DUPONT NUTRITION BIOSCIENCES APS
(32) Priority Date	:16/09/2016	Address of Applicant :Langebrogade 1 DK-1411 Copenhagen
(33) Name of priority country	:U.S.A.	K Denmark
(86) International Application No	:PCT/EP2017/072915	(72)Name of Inventor :
Filing Date	:12/09/2017	1)CRAMER, Jacob Flyvholm
(87) International Publication No	:WO 2018/050649	2)JENSEN, Lene Bojsen
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Compositions and methods are provided comprising acetolactate decarboxylase (ALDC) enzyme variants having higher specific activity. Composition and method are provided where the ALDC variants are used in combination with metal ions to further increase stability and/or activity.



No. of Pages : 59 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010211 A

(19) INDIA

(22) Date of filing of Application :15/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : VALVE FOR A SINGLE-ACTING CYLINDER AND ITS ASSEMBLY IN A MOTOR VEHICLE'S TIPPER BODY

(51) International classification :F15B9/10B60P1/16F15B9/08
(31) Priority Document No :102016000093580
(32) Priority Date :16/09/2016
(33) Name of priority country :Italy
(86) International Application No :PCT/IB2017/055631
Filing Date :18/09/2017
(87) International Publication No :WO 2018/051300
(61) Patent of Addition to
Application Number :NA
Filing Date :NA
(62) Divisional to Application
Number :NA
Filing Date :NA

(71)Name of Applicant :
1)INTERPUMP HYDRAULICS S.P.A.
Address of Applicant :Via Adelmo Mingozzi, 6 40012
Calderara di Reno (BO) Italy
(72)Name of Inventor :
1)SILIMBANI, Ruggero
2)FORNACIARI, Andrea
3)GAMBERINI, Daniele

(57) Abstract :

Valve (1) for controlling the oil flow to a cylinder (10) provided with single hydraulic connection on one side only, the valve comprising a pneumatic drive group (9) configured to axially move a shutter (5) in the valve chamber in at least three different positions including a neutral position, a tilting position and a lowering position; the valve comprising a limiting device (15) that can be activated when the drive unit is in the tilting position; once activated, said limiting device (15) sets the pressurized chamber (C1) of the drive unit and stops the pneumatic supply to the valve shutter.



No. of Pages : 17 No. of Claims : 18

(54) Title of the invention : METHOD AND DEVICE FOR IMAGE CODING AND DECODING FOR INTER-FRAME PREDICTION

(51) International classification	:H04N19/577H04N19/61	(71)Name of Applicant :
(31) Priority Document No	:NA	1)HUAWEI TECHNOLOGIES CO., LTD.
(32) Priority Date	:NA	Address of Applicant :Huawei Administration Building
(33) Name of priority country	:NA	Bantian, Longgang District Shenzhen, Guangdong 518129 China
(86) International Application No	:PCT/CN2016/101289	(72)Name of Inventor :
Filing Date	:30/09/2016	1)CHEN, Xu
(87) International Publication No	:WO 2018/058622	2)AN, Jicheng
(61) Patent of Addition to Application Number	:NA	3)ZHENG, Jianhua
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method and device for image coding and decoding for inter-frame prediction. The method for decoding comprises: determining prediction motion information of a first decoding block, performing bidirectional prediction with respect to the first decoding block on the basis of the prediction motion information to produce a first decoding prediction block; performing a motion search of a first precision value with respect to a prediction reference image block to produce at least one second decoding prediction block, the search position of the motion search being determined with a motion vector prediction value and the first precision value; calculating the difference between the first decoding prediction block and each second decoding prediction block, acquiring a target motion vector prediction value of the first decoding block, and updating the target motion vector prediction value by means of the motion search, thus increasing the motion precision for inter-frame prediction.



No. of Pages : 45 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010228 A

(19) INDIA

(22) Date of filing of Application :15/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : PROCESS AND APPARATUS FOR PRODUCING CARBON MONOXIDE

(51) International classification :C01B3/50F25J3/02

(31) Priority Document No :15/247233

(32) Priority Date :25/08/2016

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2017/048164

Filing Date :23/08/2017

(87) International Publication No :WO 2018/039313

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)PRAXAIR TECHNOLOGY, INC.

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06810 U.S.A.

(72)Name of Inventor :

1)SHAH, Minish, M.

2)KALP, Bryan, S.

3)FENNER, Gary, W.

4)PARVATHIKAR, Sameer

(57) Abstract :

The present invention relates to a cold box cycle which allows for independent control of the heat supplied for reboilers associated with the separation columns. More specifically, the invention relates to the tight control of the hydrogen removal separation, thus avoiding the possibility of excess reboiling in this separation. Optimal reboiling also results in a lower temperature of the hydrogen depleted liquid from this separation. As this stream is used to provide a portion of the cooling at the cold end of the primary heat exchanger, lower temperatures facilitate cooling of the incoming syngas feed, reducing carbon monoxide (CO) losses into the crude hydrogen stream from the high pressure separator. Lower CO in the crude hydrogen allows for smaller hydrogen purification equipment.



No. of Pages : 20 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010000 A

(19) INDIA

(22) Date of filing of Application :14/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : BIARYL COMPOUNDS USEFUL AS IMMUNOMODULATORS

(51) International classification :C07D403/12C07D401/12C07D207/12
(31) Priority Document No :62/382480
(32) Priority Date :01/09/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/049252
Filing Date :30/08/2017
(87) International Publication No :WO 2018/044963
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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1)YEUNG, Kap-Sun

2)GRANT-YOUNG, Katharine A.

3)ZHU, Juliang

4)SAULNIER, Mark G.

5)FRENNESSON, David B.

6)LANGLEY, David R.

7)HEWAWASAM, Piyasena

8)WANG, Tao

9)ZHANG, Zhongxing

10)MENG, Zhaoxing

11)SUN, Li-Qiang

12)MULL, Eric

13)SCOLA, Paul Michael

(57) Abstract :

The present disclosure generally relates to compounds useful as immunomodulators. Provided herein are compounds, compositions comprising such compounds, and methods of their use. The disclosure further pertains to pharmaceutical compositions comprising at least one compound according to the disclosure that are useful for the treatment of various diseases, including cancer and infectious diseases.

No. of Pages : 325 No. of Claims : 8

(54) Title of the invention : FUSED BICYCLIC SGC STIMULATORS

(51) International classification	:C07D487/04C07D471/04A61K31/4985	(71)Name of Applicant :	1)IRONWOOD PHARMACEUTICALS, INC.
(31) Priority Document No	:62/382942	Address of Applicant :	301 Binney Street Cambridge, MA 02142 U.S.A.
(32) Priority Date	:02/09/2016	(72)Name of Inventor :	1)RENNIE, Glen Robert
(33) Name of priority country	:U.S.A.		2)IYENGAR, Rajesh R.
(86) International Application No	:PCT/US2017/049834		3)LEE, Thomas Wai-Ho
Filing Date	:01/09/2017		4)NAKAI, Takashi
(87) International Publication No	:WO 2018/045276		5)MERMERIAN, Ara
(61) Patent of Addition to Application Number	:NA		6)JIA, Lei
Filing Date	:NA		7)IM, G-Yoon Jamie
(62) Divisional to Application Number	:NA		8)REHOWE, Paul Allan
Filing Date	:NA		9)JUNG, Joon
			10)GERMANO, Peter
			11)IYER, Karthik
			12)BARDEN, Timothy Claude
			13)TANG, Kim

(57) Abstract :

The present disclosure relates to stimulators of soluble guanylate cyclase (sGC), pharmaceutical formulations comprising them and their uses thereof, alone or in combination with one or more additional agents, for treating various diseases, wherein an increase in the concentration of nitric oxide (NO) or an increase in the concentration of cyclic Guanosine Monophosphate (cGMP), or both, or an upregulation of the NO pathway is desirable. The compounds are of Formula (I).



No. of Pages : 177 No. of Claims : 51

(54) Title of the invention : MULTIVALENT VACCINE COMPOSITION

(51) International classification :A61K39/12
 (31) Priority Document No :201621029037
 (32) Priority Date :26/08/2016
 (33) Name of priority country :India
 (86) International Application No :PCT/IB2017/055100
 Filing Date :24/08/2017
 (87) International Publication No :WO 2018/037365
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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2)THE CENTERS FOR DISEASE CONTROL AND PREVENTION (CDC)

(72)Name of Inventor :

1)DHERE, Rajeev Mhalasakant**2)PISAL, Sambhaji Shankar****3)ZADE, Jagdish Kamalaji****4)SABALE, Rajendra Narayan****5)KADAM, Ravindra Bapurao****6)KAMBLE, Abhijeet Sanjeev****7)JIANG, Baoming****8)GLASS, Roger**

(57) Abstract :

The present invention relates to stable, immunogenic combination vaccine(s) comprising a mixture of antigens for prevention and prophylaxis of infections caused by Rotavirus, Poliomyelitis virus, Haemophilus influenzae, Corynebacterium diphtheriae, Clostridium tetani, Bordetella pertussis and Hepatitis B virus. The invention particularly provides a multivalent combination vaccine comprising of i) significantly dose reduced Salk IPV or Sabin IPV (IPV) antigens prepared by utilizing improved methods of formaldehyde inactivation and alum hydroxide adsorption resulting in maximum recovery of D-antigen and ii) Injectable heat inactivated Rotavirus antigen(s) obtained from Rotavirus (CDC-9) strains that provides a broad cross-protective immunity among human rotavirus strains, iii) Hib PRP -carrier protein conjugate having improved stability and immunogenicity wherein said Hib PRP -carrier protein conjugate is initially prepared by using novel conjugation process and subsequently blended at low temperature in presence of a stabilizer for minimizing free PRP release iv) whole cell pertussis antigen with improved immunogenicity and stability obtained by addition of whole cell pertussis antigen at a later stage in a blend thereby minimizing hydrolysis based degradation v) Homogenous fractions of Diphtheria toxoid and Tetanus toxoid obtained by removal of undesirable aggregates by using Gel Permeation chromatography. The process of making such stable and immunogenic vaccine compositions by i) individually adsorbing dose reduced IPV, IRV antigens on alum hydroxide and keeping other antigen(s) unadsorbed or adsorbed on Alum Phosphate, Alum hydroxide, on a combination of Alum hydroxide and Alum phosphate and ii) using a particular order of addition of antigens during blending is also disclosed.



No. of Pages : 44 No. of Claims : 39

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010006 A

(19) INDIA

(22) Date of filing of Application :14/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : METHOD FOR DEVICE TO DEVICE COMMUNICATION, AND TERMINAL DEVICE

(51) International classification :H04W56/00H04W72/12
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2016/095484
Filing Date :16/08/2016
(87) International Publication No :WO 2018/032338
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)Name of Inventor :
1)TANG, Hai

(57) Abstract :

Provided are a method for D2D communication, and a terminal device. The method comprises: a first terminal device determining first access information, wherein the first access information is the access information used to access a first cell; and the first terminal device sending the first access information so that a second terminal device, when having received the first access information, and according to the first access information, determining second access information used by a second terminal device to access a second cell. Thus, obtaining access information for accessing a cell between different terminal devices by means of D2D communication can reduce the delay caused by a terminal device is obtaining the access information from a network device.



No. of Pages : 46 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010229 A

(19) INDIA

(22) Date of filing of Application :15/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : INJECTABLE DYNAMIC PACKINGS

(51) International classification :F16J15/46F16J15/48
(31) Priority Document No :2016-02296
(32) Priority Date :13/09/2016
(33) Name of priority country :Chile
(86) International Application No :PCT/CL2017/050051
Filing Date :08/09/2017
(87) International Publication No :WO 2018/049542
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)MULET MARTINEZ, Mauricio

(57) Abstract :

The invention relates to a set of injectable packings, which are mounted in a multi-chamber arrangement with pressure boosters, which are dynamic, i.e. they have valves via which gas or liquid enters and valves via which gas or liquid leaves, and which are at different pressures. When the multi-chamber arrangement is being filled, gas or liquid enters the packings, and when the multi-chamber arrangement is being emptied, gas or liquid also passes out of the packings; it is necessary that they are dynamic due to the extremely high pressure. A flexible receptacle or bag can be provided, which goes inside each chamber, where the gas or liquid goes when it passes out of the packing. In addition, a manual check valve is provided via which all the liquid or gas is extracted, decompressing the assembly such that the parts can be easily dismantled. It is not necessary to apply high levels of torsional stress when installing or taking apart the mechanism, particularly when it is on such a large scale as in a multi-chamber arrangement.



No. of Pages : 4 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010237 A

(19) INDIA

(22) Date of filing of Application :15/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : CRYOGENIC ADSORPTION PROCESS FOR XENON RECOVERY

(51) International classification :C01B23/00B01J20/18B01D53/04
(31) Priority Document No :15/244359
(32) Priority Date :23/08/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/037415
Filing Date :14/06/2017
(87) International Publication No :WO 2018/038793
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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1)BARRETT, Philip, A.
2)STEPHENSON, Neil, A.
3)STUCKERT, Nicholas, R.
4)FREIERT, Michael
5)DU, Hai
6)MASIN, Rachael, A.
7)SWINDLEHURST, Garrett, R.

(57) Abstract :

An adsorption process for xenon recovery from a cryogenic liquid or gas stream is described wherein a bed of adsorbent is contacted with the aforementioned xenon containing liquid or gas stream and adsorbs the xenon selectively from this fluid stream. The adsorption bed is operated to at least near full breakthrough with xenon to enable a deep rejection of other stream components, prior to regeneration using the temperature swing method. Operating the adsorption bed to near full breakthrough with xenon, prior to regeneration, enables production of a high purity product from the adsorption bed and further enables oxygen to be used safely as a purge gas, even in cases where hydrocarbons are co-present in the feed stream.



No. of Pages : 22 No. of Claims : 24

(54) Title of the invention : METHOD FOR PASSIVATING A SURFACE OF A SEMICONDUCTOR MATERIAL AND SEMICONDUCTOR SUBSTRATE

(51) International classification :H01L31/0216H01L31/068H01L31/18
 (31) Priority Document No :10 2016 117 541.2
 (32) Priority Date :16/09/2016
 (33) Name of priority country :Germany
 (86) International Application No :PCT/DE2017/100790
 Filing Date :15/09/2017
 (87) International Publication No :WO 2018/050171
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
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 (72)Name of Inventor :
1)FUCHS, Jens-Uwe
2)JOOSS, Wolfgang
3)PERNAU, Thomas
4)NGUYEN, Viet Xuan

(57) Abstract :

Method for passivating a surface (51) of a semiconductor material (50), in which a stack of layers (55; 65) comprising an aluminium oxide layer (52) and an outer coating (56; 66) is formed on the surface (51) of the semiconductor material (50), the aluminium oxide layer (52) and the outer coating (56; 66) respectively being formed in vacuum processes (10, 14; 10, 24) in which there is a vacuum, the vacuum is maintained (16) between the forming (10) of the aluminium oxide layer (52) and the forming (14; 24) of the outer coating (56; 66), and in which, after the forming (10) of the aluminium oxide layer (52) and before the forming (14; 24) of the outer coating (56; 66) of the formed aluminium oxide layer (52), hydrogen and oxygen are supplied (12; 22), and the semiconductor substrate (50, 60).



No. of Pages : 17 No. of Claims : 18

(54) Title of the invention : SENSOR DEVICE

(51) International classification :A61B5/00A61B5/05
 (31) Priority Document No :16195529.9
 (32) Priority Date :25/10/2016
 (33) Name of priority country :EPO
 (86) International Application No :PCT/EP2017/076407
 Filing Date :17/10/2017
 (87) International Publication No :WO 2018/077657
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)OSSWALD, Harald**2)ZND, Marc****3)ZND, Daniel**

(57) Abstract :

A device (1) and a method for monitoring a response of a subject body (2, 21, 211) comprises an emitter (3) for emitting an input signal (5, 51,...) and a receiver (4) for receiving an output signal (6, 61,...) from the subject body (2, 21, 211) in response to the input signal (5, 51,...), a signal generator (7), and a signal analyser (8), where a first response (R1) of the subject body (2, 21, 211) is evaluated from the comparison between the output signal (6, 61,...) and the input signal (5, 51,...). The device comprises a further emitter (31, 311,...) in order to evaluate a second response (R2), wherein either the first response (R1) or the second response (R2) is selected for a further monitoring of the response on the basis of a predetermined characteristic, and/or the device (1) comprises at least one further receiver (41, 411,...) in order to evaluate a third response (R3), wherein either the first response (R1) or the third response (R3) is selected for a further monitoring of the response on the basis of a predetermined characteristic, and/or wherein the input signal (5, 51,...) is an electromagnetic field and the device (1) further comprises a signal modulator (9) which alters the input signal (5, 51,...), whereby the first response (R1) is altered so as to enable the monitoring of the response with spatial resolution.



No. of Pages : 36 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010019 A

(19) INDIA

(22) Date of filing of Application :14/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : PRINT QUALITY INSPECTION APPARATUS AND PRINT QUALITY INSPECTION METHOD

(51) International classification :B41F33/00
(31) Priority Document No :2016-184428
(32) Priority Date :21/09/2016
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2017/034022
Filing Date :21/09/2017
(87) International Publication No :WO 2018/056341
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)OHAMA, Kentaro

(57) Abstract :

The present invention relates to a print quality inspection apparatus comprising: an illuminator (35 or 35A-35C) for irradiating light onto a printout (1) provided with a motion thread (1b); a camera (34 or 34A) for capturing an image of the printout; and a print quality inspection unit (10) for inspecting the print quality of the printout (1) on the basis of image data captured by the camera (34 or 34A). The camera (34) captures images of printouts (1) for each RGB color, and the print quality inspection unit (10) performs a print quality inspection having a scope that includes the motion thread (1b) on the basis of image data of a color of the same hue as the color of the motion thread (1b), or the illuminator (35A-35C) emits a color of the same hue as the color of the motion thread (1b), and the monochrome camera (34A) captures a monochrome image.



No. of Pages : 156 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010029 A

(19) INDIA

(22) Date of filing of Application :14/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : APERIODIC CHANNEL STATE INFORMATION (CSI) AND CSI-REFERENCE SIGNAL (RS) RESOURCE POOLING

(51) International classification	:H04L5/00
(31) Priority Document No	:62/403035
(32) Priority Date	:30/09/2016
(33) Name of priority country	:U.S.A.
(86) International Application No	:PCT/IB2017/056044
Filing Date	:29/09/2017
(87) International Publication No	:WO 2018/060971
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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(72)**Name of Inventor :**
1)GRANT, Stephen
2)FRENNE, Mattias

(57) Abstract :

A method, wireless device and network node for configuring and using CSI-RS are disclosed. According to one embodiment, a method includes transmitting to a wireless device an indication of channel state information reference signals, CSI-RS, resources, the indication indicating one or more than one CSI-RS resources within a configured plurality of CSI-RS resources configured to be used by the wireless device for CSI signaling.



No. of Pages : 24 No. of Claims : 47

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010035 A

(19) INDIA

(22) Date of filing of Application :14/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : METHOD OF AMELIORATING OR PREVENTING THE WORSENING OR THE PROGRESSION OF SYMPTOMS OF BPH

(51) International classification :A61K38/10A61P13/08A61K31/18
(31) Priority Document No :15/258786
(32) Priority Date :07/09/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IB2017/055187
Filing Date :29/08/2017
(87) International Publication No :WO 2018/047036
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)AVERBACK, Paul

(57) Abstract :

The embodiments include methods of ameliorating or preventing the worsening or progression and/or ameliorating or preventing the worsening or lack of improvement of symptoms of BPH in mammals, using compositions containing compounds based on small peptides and a pharmaceutically acceptable carrier. The method includes, but is not limited to, administering the compounds intramuscularly, orally, intravenously, intraprostatically, intrathecally, intratumorally, intranasally, topically, transdermally, etc., either alone or conjugated to a carrier to a mammal in need thereof.

No. of Pages : 81 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010036 A

(19) INDIA

(22) Date of filing of Application :14/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : FORMULATIONS CONTAINING ACETAMINOPHEN AND SULFOALKYL ETHER CYCLODEXTRIN

(51) International classification :A61K31/167A61K47/40A61K9/08
(31) Priority Document No :62/395794
(32) Priority Date :16/09/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/051919
Filing Date :15/09/2017
(87) International Publication No :WO 2018/053358
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)PIPKIN, James, D.
2)MOSHER, Gerold, L.
3)RAJEWSKI, Roger

(57) Abstract :

Pharmaceutical formulations containing acetaminophen and sulfoalkyl ether cyclodextrin are described. The formulation includes acetaminophen; and sulfoalkyl ether cyclodextrin, wherein the molar ratio of sulfoalkyl ether cyclodextrin to acetaminophen is in the range of about 0.01 to about 2. The formulations can be prepared in an injectable form for mitigating or treating fever or alleviating pain in a patient.



No. of Pages : 42 No. of Claims : 53

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010041 A

(19) INDIA

(22) Date of filing of Application :14/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : SWITCH AND DISPLAY DEVICE

(51) International classification :G09F9/00H01H36/00H04N5/64
(31) Priority Document No :2016-168504
(32) Priority Date :30/08/2016
(33) Name of priority country :Japan
(86) International Application No:PCT/JP2017/028888
Filing Date :09/08/2017
(87) International Publication No :WO 2018/043075
(61) Patent of Addition to
Application Number :NA
Filing Date :NA
(62) Divisional to Application
Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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1)MIYANAGA, Shuhei
2)MINAMI, Sachi
3)MIYAZAWA, Seiji
4)MURATA, Takashi
5)KOCHI, Yosuke

(57) Abstract :

[Problem] To provide a switch whereby the length in the height direction can be reduced. [Solution] The present invention provides a switch, which has a switch section that is provided with an operation surface, and a circuit board that is provided with an electrode, and in which the electrode is configured such that the electrode can detect operations to the switch section, the component mounting surface of the circuit board is disposed non-parallel to the operation surface, and the thickness of the circuit board does not exceed the height of the switch section.



No. of Pages : 14 No. of Claims : 11

(54) Title of the invention : SYSTEM FOR THE ELECTRONIC REGULATION OF THE FLOW OF PROTECTIVE GAS IN WELDING EQUIPMENT

(51) International classification :B23K9/095B23K9/16G05D7/06
 (31) Priority Document No :BR 20 2016 018807 0
 (32) Priority Date :16/08/2016
 (33) Name of priority country :Brazil
 (86) International Application No :PCT/BR2016/050242
 Filing Date :30/09/2016
 (87) International Publication No :WO 2018/032068
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)POWERMIG AUTOMATIZADA E SOLDAGEM LTDA

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(72)Name of Inventor :

1)FOCHESATTO, Juarez

(57) Abstract :

The present utility model describes a system for the electronic regulation of the flow of protective gas in welding equipment that is intended to overcome the drawbacks described in the prior art using a system for saving MIG/MAG/TIG welding gas that uses a current sensor (shunt) (30) to determine the current being used and sends this datum to a software processing system (microcontroller) (20), which subsequently releases gas through a linear actuation valve (23) as a function of the measured welding current, the output flow rate being confirmed by a flow rate sensor in order to guarantee the exact flow rate.



No. of Pages : 17 No. of Claims : 7

(54) Title of the invention : METHOD FOR MANUFACTURING FOAM MOLDED BODY

(51) International classification :B29C44/08B29C44/00B29C51/10

(31) Priority Document No :2016-193531

(32) Priority Date :30/09/2016

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2017/034274

Filing Date :22/09/2017

(87) International Publication No :WO 2018/062033

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)YAMASAKI, Yoshihiro**2)TAMADA, Teruo****3)IGARASHI, Yu****4)MINAMIGAWA, Yuta**

(57) Abstract :

Provided is a method for manufacturing a foam molded body by which a foam resin sheet can be caused to follow a mold cavity with high accuracy even where the thickness of the foam resin sheet is large. According to the present invention, there is provided a method for manufacturing a foam molded body, the method including: an arrangement step of arranging a foam resin sheet between a first mold and a second mold, the foam resin sheet being formed by extruding and dropping molten foam resin from a slit; and an expansion step of depressurizing and suctioning the foam resin sheet using both the first and second molds in a state in which the first and second molds are brought close to each other such that a gap larger than the thickness of the foam resin sheet is provided between the first and second molds, thereby causing the foam resin sheet to expand to the thickness of the gap.



No. of Pages : 14 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010270 A

(19) INDIA

(22) Date of filing of Application :15/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : PLANTS AND METHODS FOR INCREASING AND DECREASING SYNTHESIS OF CANNABINOIDS

(51) International classification :A01H1/00A01H3/00A01H5/00
(31) Priority Document No :62/376521
(32) Priority Date :18/08/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/047587
Filing Date :18/08/2017
(87) International Publication No :WO 2018/035450
(61) Patent of Addition to
Application Number :NA
Filing Date :NA
(62) Divisional to Application
Number :NA
Filing Date :NA

(71)Name of Applicant :
1)CANOPY GROWTH CORPORATION
Address of Applicant :1 Hershey Drive Smiths Falls, Ontario
K7A 0A8 Canada
(72)Name of Inventor :
1)ROSCOW, Robert F.

(57) Abstract :

This disclosure relates to new plants and methods for increasing and decreasing synthesis of cannabinoids. The plants disclosed herein comprise unnatural ratios and concentrations of cannabinoids in plants of genus cannabis. The methods disclosed herein comprise manipulating the biosynthetic pathway of cannabinoids to produce plants of genus cannabis with unnatural ratios and concentrations of cannabinoids.

No. of Pages : 60 No. of Claims : 19

(54) Title of the invention : METHODS AND COMPOSITIONS FOR SHORT STATURE PLANTS THROUGH MANIPULATION OF GIBBERELLIN METABOLISM TO INCREASE HARVESTABLE YIELD

(51) International classification :C12N9/00C12N15/82 (31) Priority Document No :62/376298 (32) Priority Date :17/08/2016 (33) Name of priority country :U.S.A. (86) International Application No :PCT/US2017/047405 Filing Date :17/08/2017 (87) International Publication No :WO 2018/035354 (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	(71)Name of Applicant : 1)MONSANTO TECHNOLOGY LLC Address of Applicant :800 North Lindbergh Boulevard St. Louis, Missouri 63167 U.S.A. (72)Name of Inventor : 1)ALLEN, Edwards M. 2)BODDU, Jayanand 3)DIETRICH, Charles R. 4)GOLDSHMIDT, Alexander 5)HOWELL, Miya 6)KOSOLA, Kevin R. 7)NEELAM, Anil 8)SLEWINSKI, Thomas L. 9)VENKATESH, Tyamagondlu V. 10)WANG, Huai 11)RYMARQUIS, Linda 12)MANJUNATH, Sivalinganna
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(57) Abstract :

The present disclosure provides compositions and methods for altering gibberellin (GA) content in corn or other cereal plants. Methods and compositions are also provided for altering the expression of genes related to gibberellin biosynthesis through suppression, mutagenesis and/or editing of specific subtypes of GA20 or GA3 oxidase genes. Modified plant cells and plants having a suppression element or mutation reducing the expression or activity of a GA oxidase gene are further provided comprising reduced gibberellin levels and improved characteristics, such as reduced plant height and increased lodging resistance, but without off-types.



No. of Pages : 171 No. of Claims : 110

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010278 A

(19) INDIA

(22) Date of filing of Application :15/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : MEMORY RECOVERY METHOD AND APPARATUS

(51) International classification :G06F9/445
(31) Priority Document No :201610855624.0
(32) Priority Date :27/09/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/092744
Filing Date :13/07/2017
(87) International Publication No :WO 2018/059076
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
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(72)**Name of Inventor :**
1)YANG, Qibin
2)DUAN, Xiaojun

(57) Abstract :

Disclosed are a memory recovery method and apparatus. The method comprises: when it is determined that a current available memory of a system is less than a memory threshold value, determining a process, whose memory is to be recovered, from a background process list, wherein the background process list comprises processes of one or more applications, the process whose memory is to be recovered is a process, in the one or more applications, satisfying a condition that the absolute value of a difference value between the memory occupied by the process and a memory pressure value is less than a pre-set threshold value, and the memory pressure value is a difference value between the memory threshold value and current available memory of the system; and sending a processing instruction to a system kernel so as to trigger the system kernel to process the process whose memory is to be recovered, and recover the memory occupied by the process whose memory is to be recovered. The implementation of the embodiments of the present invention can reduce the probability of the occurrence of a jam in a terminal.



No. of Pages : 41 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009747 A

(19) INDIA

(22) Date of filing of Application :13/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : ETCH-RESISTANT INKJET INKS FOR MANUFACTURING PRINTED CIRCUIT BOARDS

(51) International classification :C09D11/101C09D11/38H01K1/00
(31) Priority Document No :16188702.1
(32) Priority Date :14/09/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/071968
Filing Date :01/09/2017
(87) International Publication No :WO 2018/050457
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)AGFA-GEVAERT N.V.
Address of Applicant :IP Department 3622 Septestraat 27
2640 Mortsel Belgium
(72)Name of Inventor :
1)LOCCUFIER, Johan
2)TORFS, Rita

(57) Abstract :

A radiation curable inkjet ink including an adhesion promoter comprising: (1) at least one a free radical polymerizable group selected from the group consisting of an acrylate, a methacrylate, an acryl amide and a methacryl amide; (2) at least one aliphatic tertiary amine; and (3) at least one carboxylic acid or salt thereof with the proviso that the carboxylic acid is linked to an aliphatic tertiary amine via a divalent linking group selected from the group consisting of an optionally substituted methylene group and an optionally substituted ethylene group.

No. of Pages : 27 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009766 A

(19) INDIA

(22) Date of filing of Application :13/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : EGG FLAVOURING PROCESS

(51) International classification	:A23L15/00A23B5/00	(71)Name of Applicant :
(31) Priority Document No	:2016903631	1)KOSSIES INNOVATIONS PTY LTD
(32) Priority Date	:09/09/2016	Address of Applicant :114 Dears Lane Stonehaven, Victoria
(33) Name of priority country	:Australia	3221 Australia
(86) International Application No	:PCT/AU2017/050978	(72)Name of Inventor :
Filing Date	:08/09/2017	1)KOS, Julie Ann
(87) International Publication No	:WO 2018/045428	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates generally to a process for flavouring raw eggs and egg components using smoke and to smoked raw eggs and egg components prepared by the process. In particular, the invention relates to a cold smoking process for imparting flavour to raw eggs or raw egg components.

No. of Pages : 35 No. of Claims : 15

(54) Title of the invention : COMPOSITIONS AND METHODS RELATED TO THE PRODUCTION OF ACRYLONITRILE

(51) International classification :C07C45/52B01J23/30C07B61/00

(31) Priority Document No :15/245835

(32) Priority Date :24/08/2016

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2017/046905
Filing Date :15/08/2017

(87) International Publication No :WO 2018/038968

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)SOUTHERN RESEARCH INSTITUTE

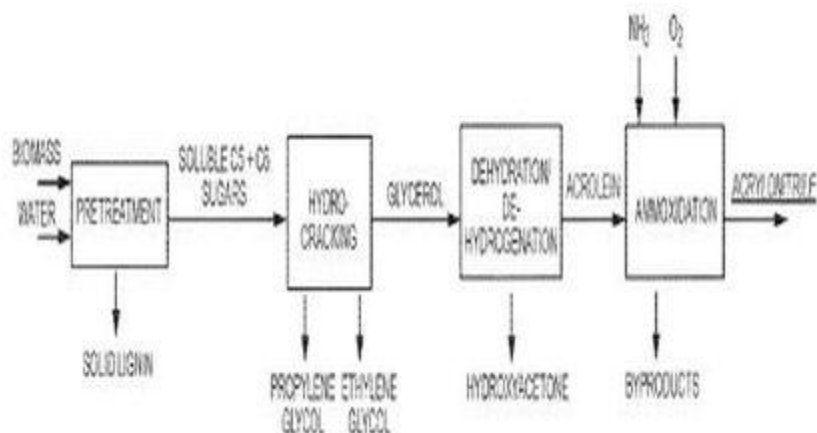
Address of Applicant :2000 Ninth Avenue South Birmingham, AL 35205 U.S.A.

(72)Name of Inventor :

1)GOYAL, Amit**2)SAMAD, Jadid**

(57) Abstract :

Disclosed herein are a catalyst and method useful in the process of converting sugars to acrylonitrile.



No. of Pages : 39 No. of Claims : 20

(54) Title of the invention : ANTIBODY OR AN ANTIGEN-BINDING FRAGMENT THEREOF CAPABLE OF BINDING TO A HUMAN RECEPTOR OF INTERLEUKIN-6

(51) International classification :C07K16/18C07K16/24C12N15/63
 (31) Priority Document No :2016133720
 (32) Priority Date :17/08/2016
 (33) Name of priority country :Russia
 (86) International Application No :PCT/RU2017/050070
 Filing Date :03/08/2017
 (87) International Publication No :WO 2018/034597
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

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2)ULITIN, Andrei Borisovich

3)SOLOVYEV, Valery Vladimirovich

4)ALEKSANDROV, Aleksei Aleksandrovich

5)CHERNYKH, Yulia Sergeevna

6)NEMANKIN, Timofey Aleksandrovich

7)VLADIMIROVA, Anna Konstantinovna

8)SMOTROV, Oleg Igorevich

9)CHERNOVSKAYA, Tatiana Veniaminovna

10)MOSHCHENKO, Aleksandr Aleksandrovich

11)NALOBINA, Viktoriia Evgenevna

12)IVANOV, Roman Alekseevich

13)MOROZOV, Dmitry Valentinovich

(57) Abstract :

The invention relates to medicine. The problem addressed by the present invention consists in creating alternative antibodies or fragments thereof which are capable of specifically binding to a human receptor of interleukin-6 and which would be useful as drugs for treating or diagnosing diseases, or for relieving symptoms, mediated by interleukin-6.



No. of Pages : 37 No. of Claims : 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009775 A

(19) INDIA

(22) Date of filing of Application :13/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : FORMULATIONS FOR EDIBLE BUBBLE SOLUTION

(51) International classification :A23L2/40A23L2/52A23L2/54	(71)Name of Applicant :
(31) Priority Document No :62/378829	1)TRAN, Dat Q.
(32) Priority Date :24/08/2016	Address of Applicant :5706 North Braeswood Houston, TX
(33) Name of priority country :U.S.A.	77096 U.S.A.
(86) International Application No :PCT/US2017/042422	(72)Name of Inventor :
Filing Date :17/07/2017	1)TRAN, Dat Q.
(87) International Publication No :WO 2018/038823	
(61) Patent of Addition to	
Application Number :NA	
Filing Date :NA	
(62) Divisional to Application	
Number :NA	
Filing Date :NA	

(57) Abstract :

Formulations that, when suitably mixed, form edible liquid solutions suitable for blowing bubbles. These formulations contain water, a surfactant, a thickener, a pH adjusting agent/preservative, and optionally a sweetener. The formulations may be provided in either solid form or liquid form, either of which may form an edible bubble solution when mixed with a sufficient quantity of a beverage or similar liquid.

No. of Pages : 7 No. of Claims : 16

(54) Title of the invention : METHOD AND APPARATUS FOR ENCODING DATA USING A POLAR CODE

(51) International classification :H03M13/13
 (31) Priority Document No :62/395312
 (32) Priority Date :15/09/2016
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/CN2017/101528
 Filing Date :13/09/2017
 (87) International Publication No :WO 2018/050062
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)HUAWEI TECHNOLOGIES CO., LTD.Address of Applicant :Huawei Administration Building,
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(72)Name of Inventor :

1)ZHANG, Huazi**2)TONG, Jiajie****3)LI, Rong****4)WANG, Jun****5)TONG, Wen****6)GE, Yiqun****7)LIU, Xiaocheng****8)ZHANG, Gongzheng****9)WANG, Jian****10)CHENG, Nan****11)ZHANG, Qifan**

(57) Abstract :

Embodiment techniques map parity bits to sub-channels based on their row weights. The row weight for a sub-channel may be viewed as the number of ones in the corresponding row of the Kronecker matrix or as a power of 2 with the exponent (i.e. the hamming weight) being the number of ones in the binary representation of the sub-channel index (further described below). In one embodiment, candidate sub-channels that have certain row weight values are reserved for parity bit (s). Thereafter, K information bits may be mapped to the K most reliable remaining sub-channels, and a number of frozen bits (e.g. N-K) may be mapped to the least reliable remaining sub-channels. Parity bits may then mapped to the candidate sub-channels, and parity bit values are determined based on a function of the information bits.



No. of Pages : 45 No. of Claims : 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010047 A

(19) INDIA

(22) Date of filing of Application :14/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : CONNECTING A FLEXIBLE CIRCUIT TO OTHER STRUCTURES

(51) International classification :H05K1/02H05K3/28H05K1/14
(31) Priority Document No :15/287563
(32) Priority Date :06/10/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/055093
Filing Date :04/10/2017
(87) International Publication No :WO 2018/067674
(61) Patent of Addition to
Application Number :NA
Filing Date :NA
(62) Divisional to Application
Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)MICROSOFT TECHNOLOGY LICENSING, LLC
Address of Applicant :One Microsoft Way Redmond,
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(72)**Name of Inventor :**
1)HOLBERY, James David
2)MA, Siyuan
3)DICKY, Michael David
4)FASSLER, Andrew L.

(57) Abstract :

One example provides a circuit structure comprising a liquid metal conductive path enclosed in an encapsulant, a polymer circuit support comprising a polymer having a functional species available for a condensation reaction, and a cross-linking agent covalently bonding the encapsulant to the polymer circuit support via the functional species.



No. of Pages : 13 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010051 A

(19) INDIA

(22) Date of filing of Application :14/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : MAST CELL STABILIZERS FOR TREATMENT OF HYPERCYTOKINEMIA AND VIRAL INFECTION

(51) International classification	:A61K31/4535A61P31/12	(71)Name of Applicant :
(31) Priority Document No	:62/385021	1)EMERGO THERAPEUTICS, INC.
(32) Priority Date	:08/09/2016	Address of Applicant :205 Portsmouth Place Chapel Hill, North Carolina 27516 U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/US2017/050409	1)HYDE-DERUYSCHER, Robin Parish
Filing Date	:07/09/2017	2)HYDE-DERUYSCHER, Nancy Harlan
(87) International Publication No	:WO 2018/048989	3)HYDE-DERUYSCHER, Elicia Kristine
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to methods for treating hypercytokinemia and viral infections associated with hypercytokinemia using a mast cell stabilizing compound, optionally in combination with an antiviral agent. The invention further relates to compositions and dosage forms comprising mast cell stabilizing agents, optionally with an antiviral agent.



No. of Pages : 26 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010052 A

(19) INDIA

(22) Date of filing of Application :14/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : CRYSTAL FORM OF ANDROGEN RECEPTOR ANTAGONIST MEDICATION, PREPARATION METHOD THEREFOR, AND USE

(51) International classification :C07D231/14A61K31/4155A61P35/00
(31) Priority Document No :201610737732.8
(32) Priority Date :26/08/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/099036
Filing Date :25/08/2017
(87) International Publication No :WO 2018/036558
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)CRYSTAL PHARMACEUTICAL (SUZHOU) CO., LTD
Address of Applicant :B4-101, Biobay, 218 Xinghu Street,
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(72)Name of Inventor :
1)CHEN, Minhua
2)ZHANG, Yanfeng
3)LI, Jiaoyang
4)YAN, Kaiqiang
5)LIU, Qiyue
6)ZHANG, Xiaoyu

(57) Abstract :

Disclosed are a crystal form of an androgen receptor antagonist medication (ODM-201 as presented by formula (I)), a preparation method therefor, and a use. The B crystal form or C crystal form of the ODM-201 provided in the present invention has low hygroscopy, good stability and fluidity, high solubility, particle diameters of appropriate sizes, and uniform distribution. The present invention provides a new alternative to the preparation of medication formulations containing ODM-201 and is valuable to medication development.



No. of Pages : 22 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010054 A

(19) INDIA

(22) Date of filing of Application :14/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : METHODS FOR TREATING CANCER WITH BAVITUXIMAB BASED ON LEVELS OF β 2-GLYCOPROTEIN 1, AND ASSAYS THEREFOR

(51) International classification :G01N33/574C07K16/28G01N33/92
(31) Priority Document No :62/400549
(32) Priority Date :27/09/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/053370
Filing Date :26/09/2017
(87) International Publication No :WO 2018/064013
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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Address of Applicant :P.O. Box 650022 West Newton, Massachusetts 02465 U.S.A.
(72)Name of Inventor :
1)TANG, Min
2)SHAN, Joseph, S.
3)KING, Steven, W.
4)CHANG, Connie
5)BROWN, Michael, A.

(57) Abstract :

Disclosed are surprising new methods and kits for identifying and treating patients treatable with PS-targeting antibodies, particularly for identifying and treating cancer patients using bavituximab and bavituximab combination therapies. The methods and kits are based on the surprising finding that defined ranges of pre-treatment blood concentrations of β 2-glycoprotein 1 (β 2GPI), particularly functional β 2GPI, act as an indicator to accurately predict patients with better treatment outcomes.



No. of Pages : 153 No. of Claims : 40

(54) Title of the invention : ANTI-GM-CSF ANTIBODIES AND USES THEREOF

(51) International classification :C07K16/24C12N15/13A61K39/395
 (31) Priority Document No :201610831525.9
 (32) Priority Date :19/09/2016
 (33) Name of priority country :China
 (86) International Application No :PCT/CN2017/102057
 Filing Date :18/09/2017
 (87) International Publication No :WO 2018/050111
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)I-MAB

Address of Applicant :Grand Pavilion, Hibiscus Way, 802 West Bay Road, PO Box 31119, Cayman KY1-1205 Cayman Island

(72)Name of Inventor :

1)WANG, Zhengyi**2)FANG, Lei****3)GUO, Bingshi****4)ZANG, Jingwu**

(57) Abstract :

Provided are anti-GM-CSF antibodies or fragments thereof including humanized antibodies and fragments. Also provided are uses of the antibodies and fragments for therapeutic, diagnostic and prognostic purposes. Therapeutic uses of the antibodies and fragments, for example include the treatment of inflammatory and autoimmune diseases and disorders.



No. of Pages : 60 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010094 A

(19) INDIA

(22) Date of filing of Application :15/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : BLOOD-BRAIN BARRIER-PENETRANT DOPAMINE-B-HYDROXYLASE INHIBITORS

(51) International classification :A61K31/40A61K31/4025A61K31/403
(31) Priority Document No :1616201.8
(32) Priority Date :23/09/2016
(33) Name of priority country :U.K.
(86) International Application No :PCT/PT2017/050022
Filing Date :22/09/2017
(87) International Publication No :WO 2018/056854
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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Address of Applicant : Av. da Siderurgia Nacional 4745-457
S. Mamede do Coronado Portugal
(72)Name of Inventor :
1)SOARES DA SILVA, Patrcio
2)ROSSI, Tino
3)KISS, Laszlo Erno
4)BELIAEV, Alexander
5)LEAL PALMA, Pedro Nuno

(57) Abstract :

This invention relates to: (a) compounds of formula (I) (with R1 to R5, n and A as defined herein) and pharmaceutically acceptable salts or solvates thereof that are useful as dopamine- β -hydroxylase inhibitors; (b) pharmaceutical compositions comprising such compounds, salts or solvates; (c) the use of such compounds, salts or solvates in therapy; (d) therapeutic methods of treatment using such compounds, salts or solvates; and (e) processes and intermediates useful for the synthesis of such compounds.



No. of Pages : 156 No. of Claims : 20

(54) Title of the invention : TRANSCATHETER DEVICE AND SYSTEM FOR THE DELIVERY OF INTRACORPOREAL DEVICES

(51) International classification	:A61M1/10A61M1/12	(71)Name of Applicant :
(31) Priority Document No	:15/288642	1)NUHEART AS
(32) Priority Date	:07/10/2016	Address of Applicant :Strandgaten 18 5013 Bergen Norway
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/EP2017/075561	1)TUSETH, Vegard
Filing Date	:06/10/2017	2)PATTERSON, Shawn
(87) International Publication No	:WO 2018/065610	3)HAARSTAD, Philip
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An intracorporeal device for delivery into a patient is provided. The intracorporeal device includes a proximal end and a distal end. The distal end is detachably coupled from the transcatheter delivery device. The device relates to a transcatheter system and corresponding devices and methods of treatment, and is particularly useful for the delivery and implantation into the body of a patient of medical devices, such as mechanical circulatory support devices, but also has a wider variety of applications.



No. of Pages : 41 No. of Claims : 32

(54) Title of the invention : MODULAR ZERO BACKLASH DEFAULT TO LOCK BRAKE/LOCKING APPARATUS

(51) International classification :F16D51/02B23Q16/10F16D59/02

(31) Priority Document No :62/398011

(32) Priority Date :22/09/2016

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2017/052900

Filing Date :22/09/2017

(87) International Publication No :WO 2018/057853

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)HILLUKKA, Justin William**2)KLIBER, Anthony Will**

(57) Abstract :

An apparatus (B) controls rotation of an annular member (36) relative to top and bottom housings (12, 10). The bottom housing (10) includes a disk (110) extending radially and terminating in a cylindrical portion (112) having circumferentially spaced slits (212). A wedge (16) abuts with the cylindrical portion (112) and is moved radially between first and second positions by an axially moveable piston (14), with the wedge including an angle surface (340) which interfaces with an angled surface (520) of the piston (14) through a plurality of balls (18). The disk (110) and the cylindrical portion (112) are formed as a single component of material having sufficient material strength and yield to allow engagement and disengagement of the cylindrical portion (112) with the annular member (36). The wedge (16) is slideable between an axial surface (250) of the disk (110) and a guiding flange (450) of the top housing (16).



No. of Pages : 10 No. of Claims : 19

(54) Title of the invention : METHOD FOR DISTRIBUTING KEY, RELATED DEVICES AND SYSTEM

(51) International classification	:H04L9/32	(71)Name of Applicant :
(31) Priority Document No	:201610930338.6	1)HUAWEI TECHNOLOGIES CO., LTD.
(32) Priority Date	:31/10/2016	Address of Applicant :Huawei Administration Building,
(33) Name of priority country	:China	Bantian, Longgang District Shenzhen, Guangdong 518129 China
(86) International Application No	:PCT/CN2017/092945	(72)Name of Inventor :
Filing Date	:14/07/2017	1)WANG, Haiguang
(87) International Publication No	:WO 2018/076799	2)YANG, Yanjiang
(61) Patent of Addition to Application	:NA	3)KANG, Xin
Number	:NA	4)LEI, Zhongding
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided in the present application is a method for distributing a key, comprising: a key management system (KMS) receiving a key request transmitted by a mobile network operator (MNO), the key request carrying the public key of user equipment (UE); allocating, to the UE, at least one public validation token (PVT) and one secret signing key (SSK) of identity based cryptography (IBC); according to the public key of the UE, encrypting said at least one PVT and said one SSK to generate ciphertext; according to a preset digital SSK, signing a to-be-signed object to generate a digital signing, the to-be-signed object comprising the public key of the UE and the ciphertext; determining the signing validation token associated with the digital SSK; returning a key response to the MNO, the key response carrying the signing validation token, the public key of the UE, the ciphertext and the digital signing. Further provided in the embodiments of the present invention are a UE, an MNO, a KMS and a misbehavior detection management function. Using the present invention, the identity information and communication key of a user are separately stored, achieving good security.



No. of Pages : 50 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009811 A

(19) INDIA

(22) Date of filing of Application :13/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : CONCRETE BLOCK CONSTRUCTION METHOD AND GUIDE MEMBER FOR INSTALLING CONCRETE BLOCK

(51) International classification :E02D25/00E02D23/00E02B3/04
(31) Priority Document No :10-2016-0107518
(32) Priority Date :24/08/2016
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2017/007988
Filing Date :25/07/2017
(87) International Publication No :WO 2018/038406
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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Busanjin-gu Busan 47148 Republic of Korea

(72)Name of Inventor :

1)KIM, Sang Gi

(57) Abstract :

The present invention enables a concrete block to be very easily seated, when installing the concrete block, in a precise position that fits with the positions of a concrete block on a lower part thereof and a concrete block positioned on one side thereof, thereby enabling the precise construction of the concrete block and greatly improving the speed of the construction.



No. of Pages : 24 No. of Claims : 6

(54) Title of the invention : AIR PURIFIER

(51) International classification :B01D46/00B01D46/52B01D46/42
 (31) Priority Document No :10-2016-0105358
 (32) Priority Date :19/08/2016
 (33) Name of priority country :Republic of Korea
 (86) International Application No :PCT/KR2017/006460
 Filing Date :20/06/2017
 (87) International Publication No :WO 2018/034419
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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(72)Name of Inventor :

1)LEE, Young Seok**2)PARK, Dah We****3)LEE, Ji Hyeoung****4)ROCHFORD, Tim**

(57) Abstract :

Provided is an air purifier enabling an operation mode to be changed according to the degree of indoor air pollution and an indoor space condition and enabling a filter to be easily cleaned. The air purifier comprises: a housing; an intake port positioned at the lower part of the housing; a filter assembly positioned at the upper part of the intake port, and provided in a form in which the diameter thereof gradually becomes smaller from the upper part thereof toward the lower part thereof; a discharge port positioned at the upper part of a second filter assembly; and a brush unit for eliminating contaminants from the outer surface of the filter assembly.



No. of Pages : 24 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010294 A

(19) INDIA

(22) Date of filing of Application :16/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : GUIDE BLADE CARRIER, TURBINE CASING AND TURBINE

(51) International classification	:F01D25/28F01D25/24	(71)Name of Applicant :
(31) Priority Document No	:16190872.8	1)SIEMENS AKTIENGESELLSCHAFT
(32) Priority Date	:27/09/2016	Address of Applicant :Werner-von-Siemens-Strae 1 80333
(33) Name of priority country	:EPO	München Germany
(86) International Application No	:PCT/EP2017/067486	(72)Name of Inventor :
Filing Date	:12/07/2017	1)KOUKAL, Jiri
(87) International Publication No	:WO 2018/059764	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Guide blade carrier, turbine casing and turbine The invention is directed to a guide blade carrier (1) for a turbine (30), the guide blade carrier (1) separating an upstream volume (32) from a downstream volume (33) within the turbine (30), the guide blade carrier (1) further comprising a carrier body (2) with a fixation device (10) for fixing of the guide blade carrier (1) within a turbine casing (31) of the turbine (30), the fixation device (10) comprising an circumferential fixation basis (11), wherein the fixation basis (11) is confined at its upstream end (12) by an circumferential limitation element (14). Further, the invention is directed to a turbine casing (31) for a turbine (30) and to a turbine (30), the turbine (30) comprising a turbine casing (31) and a guide blade carrier (1).



No. of Pages : 14 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010300 A

(19) INDIA

(22) Date of filing of Application :16/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : ADENOVIRUS ARMED WITH BISPECIFIC T CELL ENGAGER (BITE)

(51) International classification :A61K39/395A61K35/761C07K16/28
(31) Priority Document No :1614607.8
(32) Priority Date :29/08/2016
(33) Name of priority country :U.K.
(86) International Application No :PCT/EP2017/071674
Filing Date :29/08/2017
(87) International Publication No :WO 2018/041838
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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1)CHAMPION, Brian, Robert
2)BROMLEY, Alice, Claire, Noel
3)FREEDMAN, Joshua, David
4)FISHER, Kerry, David
5)SEYMOUR, Leonard, William

(57) Abstract :

A modified adenovirus, in particular Enadenotucirev (EnAd), armed with a bispecific T cell engager (BiTE) comprising at least two binding domains, wherein at least one of the domains is specific for a surface antigen on a T-cell of interest. Also provided are a composition, such as a pharmaceutical formulation comprising the virus, use of the virus and virus formulations for treatment, such as in the treatment of cancer. The disclosure also extends to processes for preparing the virus.



No. of Pages : 118 No. of Claims : 35

(54) Title of the invention : VARIABLE TRAVEL VALVE APPARATUS FOR AN INTERNAL COMBUSTION ENGINE

(51) International classification :F01L1/12F01L5/02F01L5/04
 (31) Priority Document No :62/385804
 (32) Priority Date :09/09/2016
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2017/051016
 Filing Date :11/09/2017
 (87) International Publication No :WO 2018/049354
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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7)TURNER, Christopher Wayne

8)PEDERSEN, Daniel S.

9)JACOBS, Clayton

10)COHEN, Drew

11)ECHTER, Nicholas Paul

12)WEYER-GEIGEL, Kristina

13)ALVARADO, Caleb

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7)TURNER, Christopher Wayne

8)PEDERSEN, Daniel S.

9)JACOBS, Clayton

10)COHEN, Drew

11)ECHTER, Nicholas Paul

12)WEYER-GEIGEL, Kristina

13)ALVARADO, Caleb

(57) Abstract :

An apparatus includes a valve and an actuator. The valve has a portion movably disposed within a valve pocket defined by a cylinder head of an engine. The valve is configured to move relative to the cylinder head a distance between a closed position and an opened position. The portion of the valve defines a flow opening that is in fluid communication with a cylinder of an engine when the valve is in the opened position. The actuator is configured to selectively vary the distance between the closed position and the opened position.



No. of Pages : 58 No. of Claims : 35

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010306 A

(19) INDIA

(22) Date of filing of Application :16/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : METHODS FOR THE DETECTION OF GENOMIC COPY CHANGES IN DNA SAMPLES

(51) International classification :C12Q1/68G06F19/00G06F19/20
(31) Priority Document No :62/379593
(32) Priority Date :25/08/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/048434
Filing Date :24/08/2017
(87) International Publication No :WO 2018/039463
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)RESOLUTION BIOSCIENCE, INC.
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(72)Name of Inventor :
1)RAYMOND, Christopher K.
2)LIM, Lee P.
3)HERNANDEZ, Jennifer

(57) Abstract :

The present invention includes compositions and methods useful for the detection of a mutational change, SNP, translocation, inversion, deletion, change in copy number, or other genetic variation within a sample of cellular genomic DNA or cell-free DNA (cfDNA). In some embodiments, the compositions and methods of the present invention provide an extremely high level of resolution that is particularly useful in detecting copy number variations in a small fraction of the total cfDNA from a biological sample (e.g., blood).



No. of Pages : 76 No. of Claims : 105

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010095 A

(19) INDIA

(22) Date of filing of Application :15/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : DOPAMINE-B-HYDROXYLASE INHIBITORS

(51) International classification :C07D487/14A61K31/4188A61P25/00
(31) Priority Document No :1616201.8
(32) Priority Date :23/09/2016
(33) Name of priority country :U.K.
(86) International Application No :PCT/PT2017/050023
Filing Date :22/09/2017
(87) International Publication No :WO 2018/056855
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)BIAL - PORTELA & C^a, S.A.
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(72)Name of Inventor :
1)SOARES DA SILVA, Patrcio
2)ROSSI, Tino
3)KISS, Laszlo Erno
4)BELIAEV, Alexander
5)LEAL PALMA, Pedro Nuno

(57) Abstract :

This invention relates to: (a) compounds of Formula Ia (with R1, R4, R5, R6, n and A as defined herein) and pharmaceutically acceptable salts or solvates thereof that are useful as dopamine- β -hydroxylase inhibitors; (b) pharmaceutical compositions comprising such compounds, salts or solvates; (c) the use of such compounds, salts or solvates in therapy; (d) therapeutic methods of treatment using such compounds, salts or solvates; and (e) processes and intermediates useful for the synthesis of such compounds.

No. of Pages : 57 No. of Claims : 16

(54) Title of the invention : METHOD FOR CONTROLLING A FUEL PUMP FOR A MOTOR VEHICLE

(51) International classification :F02D41/38F02M59/20F02M59/02
 (31) Priority Document No :1658972
 (32) Priority Date :23/09/2016
 (33) Name of priority country :France
 (86) International Application No :PCT/FR2017/052545
 Filing Date :22/09/2017
 (87) International Publication No :WO 2018/055301
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
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 (72)Name of Inventor :
1)MEMAIN, Jrmie
2)CHIABO, Sbastien
3)NANTET, Guillaume

(57) Abstract :

The invention relates to a method for controlling a fuel pump for a motor vehicle, comprising determining if a set amount of fuel to be compressed is less than the minimum volume that can be delivered by the pump and, if this is the case, determining a new set amount of fuel to be compressed equal to the product of a number of compressions of a volume equal to the set amount of fuel to be compressed required to achieve at least the minimum volume that can be delivered and the set amount of fuel to be compressed; transmitting the new set amount of fuel to be compressed to the fuel pump; and subsequently disabling the fuel pump for a number of occurrences of the set amount of fuel equal to the number of compressions of a volume equal to the set amount of fuel to be compressed.



No. of Pages : 12 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010113 A

(19) INDIA

(22) Date of filing of Application :15/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : MULTIMERS, TETRAMERS & OCTAMERS

(51) International classification :C07K14/725C07K14/55C07K16/28

(31) Priority Document No :1615768.7

(32) Priority Date :15/09/2016

(33) Name of priority country:U.K.

(86) International Application No :PCT/EP2017/073527

Filing Date :18/09/2017

(87) International Publication No :WO 2018/050902

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)ALI, Hanif

2)RABBITS, Terence

3)GR'NDAHL, Christian

4)CLUBE, Jasper

(57) Abstract :

The invention relates to multimers such as tetramers of polypeptides and tetramers and octamers of effector domains, such as antigen binding sites (eg, antibody or TCR binding sites that specifically bind to antigen or pMHC, or variable domains thereof) or peptides such as incretin, insulin or hormone peptides.



No. of Pages : 162 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010114 A

(19) INDIA

(22) Date of filing of Application :15/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : CELLULOSE ETHER ACETATE PHTHALATES

(51) International classification :C08B13/00C09D101/32
(31) Priority Document No :62/378246
(32) Priority Date :23/08/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/047997
Filing Date :22/08/2017
(87) International Publication No :WO 2018/039220
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)PETERMANN, Oliver

(57) Abstract :

A cellulose ether acetate phthalate is provided, wherein the degree of substitution of phthalyl groups is from 0.02 to 0.25, the degree of neutralization of phthalyl groups is not more than 0.5, the degree of substitution of acetyl groups is from 0.02 to 0.40, and the total degree of substitution of phthalyl and acetyl groups is not more than 0.50. The cellulose ether acetate phthalate has a solubility in water of at least 2.0 weight percent at 2 °C.

No. of Pages : 24 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010126 A

(19) INDIA

(22) Date of filing of Application :15/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : POLYMERS AND PROCESS FOR THEIR MANUFACTURE

(51) International classification :C08G65/40
(31) Priority Document No :1616320.6
(32) Priority Date :26/09/2016
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2017/052827
Filing Date :21/09/2017
(87) International Publication No :WO 2018/055384
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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2)AINSWORTH, Richard
3)HARRINGTON, Glynn
4)SHERRINGTON, James
5)SLATER, Nigel

(57) Abstract :

There is disclosed polymers, a process for manufacturing polymers and uses of the polymers. The polymers are polyaryl ether ketones and the process includes a nucleophilic polycondensation of a bisphenol with an organic dihalide compound in a reaction mixture comprising sodium carbonate and potassium carbonate, in an aromatic sulfone solvent, at a reaction temperature rising to a temperature from 290°C to 320°C immediately prior to the addition of a salt to the reaction mixture, wherein the molar ratio of the salt to potassium carbonate is from 6.0 to 10.0. Further organic dihalide compound is added to the reaction mixture wherein the molar ratio of further organic dihalide compound to bisphenol is from 0.009 to 0.035. The resulting reaction mixture is maintained at a temperature at from 290°C to 320°C for from 20 to 180 minutes and then the resulting reaction mixture is cooled and the PAEK recovered.



No. of Pages : 59 No. of Claims : 21

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009817 A

(19) INDIA

(22) Date of filing of Application :13/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : METHODS AND DEVICES FOR SKIN CLOSURE

(51) International classification :A61F13/02A61F13/00A61B17/00

(31) Priority Document No :15/280303

(32) Priority Date :29/09/2016

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2017/052394

Filing Date :20/09/2017

(87) International Publication No :WO 2018/063871

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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(72)Name of Inventor :

1)QUINTERO, Julian

(57) Abstract :

A wound closure device and a method of its use are disclosed. The wound closure device comprises a wound closure strip, the wound closure strip comprising a wound-facing side and a top side, the wound-facing side comprises an adhesive applied over at least a portion of the wound facing side of the wound closure strip and a non-symmetric, two-part release liner assembly detachably adhered to the adhesive, the release liner assembly comprising a first section and a second section with the second section comprising a wound closure strip-free portion forming a tab. In an alternate embodiment, the device is multi-segmented and the wound closure strip may be coextensive with the release liner assembly.



No. of Pages : 29 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009823 A

(19) INDIA

(22) Date of filing of Application :13/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : COMPOSITIONS COMPRISING A NON-PATHOGENIC BACTERIA AND METHODS FOR PROTECTING PLANT AND ANIMAL HOSTS FROM FUNGAL, BACTERIAL AND VIRAL DISEASES

(51) International classification :A01N63/02A01P3/00A01P5/00
(31) Priority Document No :62/394229
(32) Priority Date :14/09/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/IL2017/051038
Filing Date :13/09/2017
(87) International Publication No :WO 2018/051344
(61) Patent of Addition to
Application Number :NA
Filing Date :NA
(62) Divisional to Application
Number :NA
Filing Date :NA

(71)Name of Applicant :
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(72)Name of Inventor :
1)AVIDOV, Amit
2)BARAZANI, Avner
3)ZEILKHA, Mor

(57) Abstract :

The present invention is directed to a method for preventing and/or treating infection of plant or animal host species by fungal, bacterial and/or viral pathogens, wherein said method comprises the steps of providing a mixture of one or more non-pathogenic bacteria and one or more activating agents; and administering said mixture to said host species. The invention also encompasses compositions comprising a mixture of non-pathogenic bacteria and one or more activating agents.



No. of Pages : 61 No. of Claims : 46

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009829 A

(19) INDIA

(22) Date of filing of Application :13/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : UNDERPANTS-TYPE DISPOSABLE DIAPER

(51) International classification :A61F13/49A61F13/496
(31) Priority Document No :2016-206862
(32) Priority Date :21/10/2016
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2017/037312
Filing Date :16/10/2017
(87) International Publication No :WO 2018/074398
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)IDE, Aya
2)MORI, Yosuke

(57) Abstract :

[Problem] To prevent deterioration of appearance due to a conspicuous corner of the leg-opening side of the side edge of a buttocks cover portion in a two-part outer-shell-type underpants-type disposable diaper. [Solution] The abovementioned problem is solved by an underpants-type disposable diaper in which a front outer shell 12F and a rear outer shell 12B are provided separately and the front outer shell 12F and rear outer shell 12B are separated in the longitudinal direction LD at the center of the longitudinal direction LD, wherein the rear outer shell 12B has a buttocks cover portion C extending more toward the longitudinal-direction center than does a side seal portion 12A, and the longitudinal-direction dimension of the side edge of the buttocks cover portion C is 0.9-1.1 times the width-direction dimension W3 from the side edge of the rear outer shell 12B to the width-direction-center-side side edge of the side seal portion 12A.



No. of Pages : 92 No. of Claims : 6

(54) Title of the invention : UNDERPANTS-TYPE DISPOSABLE DIAPER

(51) International classification :A61F13/49A61F13/494A61F13/496
 (31) Priority Document No :2016-206861
 (32) Priority Date :21/10/2016
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2017/037311
 Filing Date :16/10/2017
 (87) International Publication No :WO 2018/074397
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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 (72)Name of Inventor :
1)IDE, Aya
2)ISHIKAWA, Yoshitake
3)MORI, Yosuke

(57) Abstract :

The present invention addresses the problem of preventing urine and loose stool from oozing out at the waist extension portion of exterior bodies. The problem is resolved by providing an underpants-type disposable diaper comprising: exterior bodies (12F, 12B) which individually or integrally constitute a front body (F) and a back body (B); and an interior body (200) which is attached to the exterior bodies (12F, 12B) so as to extend from the front body (F) to the back body (B), the exterior bodies (12F, 12B) having a waist extension portion (12E) extending from the edge of the interior body (200) on the waste side to a waist opening (WO) side, a display sheet (25), which is made of a liquid-impermeable resin film, being provided on the outside of the interior body (200) in a region where the exterior bodies (12F, 12B) in at least one of the front body (F) and the back body (B) overlap with the interior body (200), wherein the display sheet (25) extends from a region overlapping with the interior body (200) to the inside of the waist extension portion (12E).



No. of Pages : 87 No. of Claims : 4

(54) Title of the invention : ELECTRODE, SECONDARY BATTERY USING SAME, AND METHOD FOR MANUFACTURING ELECTRODE

(51) International classification :H01M4/13H01M4/139H01M4/04
 (31) Priority Document No :10-2016-0144421
 (32) Priority Date :01/11/2016
 (33) Name of priority country :Republic of Korea
 (86) International Application No :PCT/KR2017/010217
 Filing Date :19/09/2017
 (87) International Publication No :WO 2018/084431
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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2)SEO, In Yong

3)KIM, Ju Hyung

4)LEE, Su Yeon

5)PARK, Seung Gon

6)KIM, Dong Woo

(57) Abstract :

The present invention relates to: an electrode capable of preventing the separation of a short-circuit prevention layer since the short-circuit prevention layer, which is made of a heat resistant polymer fiber, can be attached with high binding force when formed on the surface of the electrode, if an active material layer comprises a predetermined amount of polyvinylidene fluoride (PVdF) as a binder; a secondary battery using the same; and a method for manufacturing the electrode. The electrode of the present invention comprises: an electrode current collector; an active material layer formed on the electrode current collector; and a short-circuit prevention layer formed on the active material layer, wherein the short-circuit prevention layer comprises a porous polymer fiber web having a plurality of pores through the accumulation of ultrafine fibers of a heat resistant polymer material, and the active material layer comprises PVdF as a binder.



No. of Pages : 25 No. of Claims : 14

(54) Title of the invention : METHOD AND APPARATUS FOR ENCODING DATA USING A POLAR CODE

(51) International classification :H03M13/09
 (31) Priority Document No :62/395312
 (32) Priority Date :15/09/2016
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/CN2017/101531
 Filing Date :13/09/2017
 (87) International Publication No :WO 2018/050063
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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1)ZHANG, Huazi**2)TONG, Jiajie****3)LI, Rong****4)WANG, Jun****5)TONG, Wen****6)GE, Yiqun****7)LIU, Xiaocheng****8)ZHANG, Gongzheng****9)WANG, Jian****10)CHENG, Nan****11)ZHANG, Qifan**

(57) Abstract :

Embodiment techniques map parity bits to sub-channels based on their row weights. The row weight for a sub-channel may be viewed as the number of ones in the corresponding row of the Kronecker matrix or as a power of 2 with the exponent (i.e. the hamming weight) being the number of ones in the binary representation of the sub-channel index (further described below). In one embodiment, candidate sub-channels that have certain row weight values are reserved for parity bit (s). Thereafter, K information bits may be mapped to the K most reliable remaining sub-channels, and a number of frozen bits (e.g. N-K) may be mapped to the least reliable remaining sub-channels. Parity bits may then mapped to the candidate sub-channels, and parity bit values are determined based on a function of the information bits.



No. of Pages : 45 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010313 A

(19) INDIA

(22) Date of filing of Application :16/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : PERFUSION BIOREACTOR BAG ASSEMBLIES

(51) International classification	:C12M1/00C12M3/06	(71)Name of Applicant :
(31) Priority Document No	:62/393583	1)JUNO THERAPEUTICS, INC.
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(33) Name of priority country	:U.S.A.	WA 98109 U.S.A.
(86) International Application No	:PCT/US2017/051228	(72)Name of Inventor :
Filing Date	:12/09/2017	1)BEAUCHESNE, Pascal
(87) International Publication No	:WO 2018/049420	2)VALBURG, Chris, Duncan
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure is directed to bioreactor bag assemblies that can minimize the amount of additional connections/adaptations made to the bioreactor bag before the bioreactor bag can be used for cell cultivation, thereby reducing the risk of contamination. The bioreactor bag assemblies disclosed herein can include a pre-assembled waste bag connection and pre-assembled tubing arrangements so that the cell media and/or the cell source can be immediately welded to the pre-assembled tubing arrangements.



No. of Pages : 72 No. of Claims : 54

(54) Title of the invention : ANTIBODIES AGAINST SIGNAL-REGULATORY PROTEIN ALPHA AND METHODS OF USE

(51) International classification :A61K39/395A61P29/00A61P35/00
 (31) Priority Document No :62/397752
 (32) Priority Date :21/09/2016
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2017/052592
 Filing Date :20/09/2017
 (87) International Publication No :WO 2018/057669
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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2)SIM, Bang Janet
3)WAN, Hong
4)KUO, Tracy Chia-Chien
5)KAUDER, Steven Elliot
6)HARRIMAN, William Don
7)IZQUIERDO, Shelley

(57) Abstract :

Provided herein, inter alia, are isolated antibodies that bind an extracellular domain of a human SIRP- α v1 polypeptide (e.g., the D1 domain), an extracellular domain of a human SIRP- α v2 polypeptide, or both. In some embodiments, the antibodies also bind an extracellular domain of a monkey SIRP- α polypeptide, an extracellular domain of a mouse SIRP- α polypeptide, an extracellular domain of a human SIRP- β polypeptide, and/or an extracellular domain of a human SIRP- γ polypeptide. In some embodiments, the antibodies block or do not binding between an extracellular domain of a human SIRP- α polypeptide and an IgSF domain of a human CD47 polypeptide, while in some embodiments, the antibodies reduce the affinity of a human SIRP- α polypeptide for binding an IgSF domain of a human CD47 polypeptide. Further provided herein are methods, polynucleotides, vectors, and host cells related thereto.



No. of Pages : 236 No. of Claims : 199

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010132 A

(19) INDIA

(22) Date of filing of Application :15/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : CLEANING APPLIANCE

(51) International classification :A61C17/02A61C17/028A61C17/16
(31) Priority Document No :1616272.9
(32) Priority Date :26/09/2016
(33) Name of priority country:U.K.
(86) International Application No :PCT/GB2017/052517
Filing Date :29/08/2017
(87) International Publication No :WO 2018/055328
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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3)JONES, Jason
4)WRONSKI, Robert
5)DARLING, Philip
6)WAUGH, Edward

(57) Abstract :

A pump assembly for a dental cleaning appliance includes a fluid chamber, a piston, and a drive. Magnets, connected respectively to the piston and the drive, enable the drive to couple to the piston and move it within the fluid chamber to draw fluid into the fluid chamber. A stop prevents the piston from being pulled beyond a stop position so that through continued actuation of the drive the magnets separate to allow a spring to push the piston away from the stop position to urge a burst of fluid from the fluid chamber.



No. of Pages : 31 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010139 A

(19) INDIA

(22) Date of filing of Application :15/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : HERBICIDAL COMPOSITION COMPRISING MESOTRIONE

(51) International classification :A01N41/10A01N47/36A01P13/00
(31) Priority Document No :1618322.0
(32) Priority Date :31/10/2016
(33) Name of priority country :U.K.
(86) International Application No :PCT/CN2017/107249
Filing Date :23/10/2017
(87) International Publication No :WO 2018/077128
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)BRISTOW, James Timothy

(57) Abstract :

A solid herbicidal composition is provided, the composition comprising: i) mesotrione; and ii) a base. A method of controlling plant growth using the composition or a diluted form thereof is also disclosed.

No. of Pages : 18 No. of Claims : 28

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010140 A

(19) INDIA

(22) Date of filing of Application :15/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : HETERODIMERIC IMMUNOGLOBULIN CONSTRUCTS AND PREPARATION METHODS THEREOF

(51) International classification :C07K16/00A61K39/395C12N15/13
(31) Priority Document No :201610863814.7
(32) Priority Date :29/09/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/104044
Filing Date :28/09/2017
(87) International Publication No :WO 2018/059502
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)LIU, Jiawang
2)SONG, Nanmeng
3)YANG, Dongge
4)YANG, Yaping
5)KIM, Maengsup

(57) Abstract :

Provided is a method for production of stable and highly specific heterodimeric immunoglobulin constructs, e.g., bispecific antibodies, retaining desirable properties of native IgG and lacking undesirable heavy chain-light chain mispairing, that can simultaneously bind two target molecules and are more potent in the treatment of complex diseases.



No. of Pages : 68 No. of Claims : 53

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010145 A

(19) INDIA

(22) Date of filing of Application :15/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : RESOURCE SELECTING METHOD AND TERMINAL DEVICE

(51) International classification :H04W72/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :PCT/CN2016/101157
Filing Date :30/09/2016
(87) International Publication No :WO 2018/058558
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)GAO, Lei
2)SHI, Yi

(57) Abstract :

Provided are a method and a terminal device for selecting a resource, the method comprising: detecting, by a first terminal device, a plurality of resource locations before receiving a high-level request (S210); acquiring, by the first terminal device, a first set within a first time window after receiving the high-level request according to the plurality of resource locations, the high-level request being used to instruct the first terminal device that there are to-be-transmitted data and that it is needed to select a transmitting resource for the to-be-transmitted data (S220); determining, by the first terminal device, that the number of resources in the first set is less than a preset first threshold (S230); and selecting, by the first terminal device, a resource for sending the to-be-transmitted data from a resource pool, the resource pool being the one used for randomly selecting transmission resources (S240). The method and the terminal device can reduce the influence on the sending performance of other terminal devices in the system and improve the sending performance of the terminal device itself.



No. of Pages : 41 No. of Claims : 32

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010146 A

(19) INDIA

(22) Date of filing of Application :15/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : METHOD AND DEVICE FOR RELEASING SEMI-PERSISTENT SCHEDULING RESOURCE

(51) International classification :H04W72/04

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :PCT/CN2016/100738

Filing Date :29/09/2016

(87) International Publication No :WO 2018/058407

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

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1)LU, Zhenwei

2)LIU, Deping

(57) Abstract :

Provided are a method and device for releasing a semi-persistent scheduling resource. The method comprises: a base station receiving service information sent by a user equipment (UE), wherein the service information comprises first service information about first service data; the base station determining semi-persistent scheduling (SPS) information corresponding to the first service data according to the first service information, wherein the SPS information comprises indication information about a new SPS resource; and the base station sending downlink control information (DCI) to the UE, wherein the DCI comprises the SPS information, the DCI is used for instructing the UE to activate the new SPS resource and release a target SPS resource, and the target SPS resource is an SPS resource corresponding to completely transmitted second service data. The embodiment can save on the signalling overhead of DCI.



No. of Pages : 29 No. of Claims : 26

(54) Title of the invention : INLINE GAS/LIQUID INFUSION SYSTEM WITH ADJUSTABLE ABSORPTION OUTPUT AND SELF-TUNING CAPACITY

(51) International classification :B01F15/02B01F15/00B01F5/06
 (31) Priority Document No :62/395566
 (32) Priority Date :16/09/2016
 (33) Name of priority country :U.S.A.
 (86) International Application No:PCT/US2017/052003
 Filing Date :18/09/2017
 (87) International Publication No :WO 2018/053394
 (61) Patent of Addition to
 Application Number :NA
 Filing Date :NA
 (62) Divisional to Application
 Number :NA
 Filing Date :NA

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1)PERKINS, Bernard L.
2)ESTRADA, Jesus

(57) Abstract :

An inline gas/liquid infusion system featuring an electronic control logic and subsystem having a signal processor configured to: receive signaling containing information about a liquid pressure of an incoming liquid provided from a pump to an inline gas liquid absorption device and about a gas pressure of an incoming gas provided to the inline gas liquid absorption device; and determine corresponding signaling containing information to control the liquid pressure of the incoming liquid provided from the pump to the inline gas liquid absorption device in order to provide real time adjustable set point output levels of gas absorption in the inline gas liquid absorption device, based upon the signaling received.



No. of Pages : 20 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010319 A

(19) INDIA

(22) Date of filing of Application :16/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : METHOD OF MANUFACTURING MOLDED MATERIAL, AND SAID MOLDED MATERIAL

(51) International classification :B21D22/28
(31) Priority Document No :2016-195605
(32) Priority Date :03/10/2016
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2017/022727
Filing Date :20/06/2017
(87) International Publication No :WO 2018/066181
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)YAMAMOTO, Yudai

(57) Abstract :

This method of manufacturing a molded material includes manufacturing a molded material having a tubular body portion and a flange portion formed at an end portion of the body portion, by subjecting a starting material metal plate to multi-stage drawing and finish ironing, wherein the multi-stage drawing includes preliminary drawing to form, from the starting material metal plate, a preliminary body comprising a body portion elementary body, and compressive drawing performed multiple times, after the preliminary drawing, to draw the body portion elementary body while applying a compressive force to a peripheral wall of the body portion elementary body in the depth direction of the body portion elementary body, and wherein, in at least one finish ironing, a mold clearance at an upper portion of the body portion elementary body is less than the mold clearance at a lower portion of the body portion elementary body.



No. of Pages : 19 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010322 A

(19) INDIA

(22) Date of filing of Application :16/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : CLOSED-HEAD DRUM WITH LINER, AND METHOD FOR PRODUCING THE SAME

(51) International classification :B65D25/14
(31) Priority Document No :20 2016 005 920.4
(32) Priority Date :23/09/2016
(33) Name of priority country :Germany
(86) International Application No :PCT/EP2017/001086
Filing Date :13/09/2017
(87) International Publication No :WO 2018/054527
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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Germany
(72)Name of Inventor :
1)WEYRAUCH, Detlev

(57) Abstract :

The present invention relates to a closed-head drum (10), with a thin-walled liner (22) made of multilayered plastic film inserted therein, for the storage and for the transportation of liquid or free-flowing contents. In order to improve the use of liners in closed-head drums, and to facilitate in particular the handling for the users, for example those people tasked with filling and emptying the drums, so to allow the closed-head drum (10) with liner (22) to be handled in precisely the same way as a closed-head drum without a liner, the present invention provides for the liner surface to adhere, or be adhesively bonded in a releasable manner, to the inner wall of the drum by virtue of a vacuum being created in the air gap between the inner wall of the drum and liner surface and by thermal activation taking place as a result of hot air being blown into the interior of the liner.



No. of Pages : 18 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010329 A

(19) INDIA

(22) Date of filing of Application :16/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : ANTI-PD1 MONOCLONAL ANTIBODY, PHARMACEUTICAL COMPOSITION THEREOF AND USE THEREOF

(51) International classification :C07K16/28,C12N15/13,C12N5/20
(31) Priority Document No :201610705763.5
(32) Priority Date :23/08/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/098465
Filing Date :22/08/2017
(87) International Publication No :WO 2018/036472
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)XIA Yu
3)WANG Zhongmin Maxwell
4)ZHANG Peng

(57) Abstract :

An anti-PD1 (programmed cell death 1) monoclonal antibody or an antigen-binding fragment thereof, a pharmaceutical composition thereof and use thereof. The heavy chain variable region of the monoclonal antibody comprises CDRs (complementary determining region) of amino acid sequences as shown in SEQ ID NO:9-11; and/or the light chain variable region of the monoclonal antibody comprises CDRs of amino acid sequences as shown in SEQ ID NO:12-14. The monoclonal antibody can bind to PD1 specifically, relieve immunosuppression of PD1 on an organism specifically and activate T lymphocytes.



No. of Pages : 31 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010330 A

(19) INDIA

(22) Date of filing of Application :16/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : ANTI-CTLA4 AND ANTI-PD-1 BIFUNCTIONAL ANTIBODY, PHARMACEUTICAL COMPOSITION THEREOF AND USE THEREOF

(51) International classification :C07K16/46,C12N15/13,C12N15/62
(31) Priority Document No :201610705624.2
(32) Priority Date :23/08/2016
(33) Name of priority country:China
(86) International Application No :PCT/CN2017/098466
Filing Date :22/08/2017
(87) International Publication No :WO 2018/036473
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)XIA Yu
3)WANG Zhongmin Maxwell
4)ZHANG Peng

(57) Abstract :

An anti-CTLA4 (cytotoxic T lymphocyte associated antigen 4) and anti-PD-1 (programmed cell death 1) bifunctional antibody, a pharmaceutical composition thereof and use thereof. Particularly, the anti-CTLA4 and anti-PD-1 bifunctional antibody comprises a first protein functional domain that targets PD-I and a second protein functional domain that targets CTLA4. The bifunctional antibody can bind toCTLA4 and PD-1 specifically, relieve immunosuppression of CTLA4 and PD-1 on an organism specifically, activate T lymphocytes, and thus has good application prospects.



No. of Pages : 59 No. of Claims : 25

(54) Title of the invention : WATER GENERATION SYSTEM FOR DESERTS

(51) International classification :E03B3/02,E03F1/00
 (31) Priority Document No :201610829629.6
 (32) Priority Date :19/09/2016
 (33) Name of priority country :China
 (86) International Application No :PCT/CN2017/070115
 Filing Date :04/01/2017
 (87) International Publication No :WO 2018/049776
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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(72)Name of Inventor :

1)CHEN Jui wen

(57) Abstract :

A water generation system for deserts designed for areas featuring the desert climate and construed on a pavement. The system mainly comprises a sand layer (10) in which a water tank is pre-embedded. A moisture lock fabric (14) covers the sand layer (10). A gradation layer (20) is laid on the moisture lock fabric (14). A waterproof fabric (21) is provided within the gradation layer (20), and a plurality of hollow water permeable pipes (31) are arranged on the gradation layer (20). The bottom end of the water permeable pipe (31) directly passes through the waterproof fabric (21) and thus is vertically inserted in the gradation layer (20), and concrete slurry pouring is carried out to construct a water permeable layer (30). In this way, rain can quickly permeate to and be stored in the sand layer (10) for future use. In addition, air can also be guided to the gradation layer (20) and condense at the bottom of the waterproof fabric (21) by means of the condensation effect to generate condensed water, thereby achieving an automatic water generation effect.



No. of Pages : 20 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010341 A

(19) INDIA

(22) Date of filing of Application :16/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : MOBILE STATION DRIVING TEST AND DRIVING TRAINING METHOD FOR AUTOMATICALLY SWITCHING MODE OF RECEIVING DIFFERENTIAL DATA

(51) International classification :H04W24/04
(31) Priority Document No :201610957076.2
(32) Priority Date :27/10/2016
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/089131
Filing Date :20/06/2017
(87) International Publication No :WO 2018/076724
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)FANG Zhiqiang
3)WANG Jiejun
4)XIE Huazhong
5)ZHAO Kangde

(57) Abstract :

Provided is a mobile station driving test and driving training method for automatically switching a mode of receiving differential data, the method comprising the following steps: mounting a mobile station on a coach car; after the mobile station is started, using a mode of a radio station receiving differential data; if the radio station of the mobile station cannot receive the differential data beyond a pre-set time in the mode, switching the radio station to a GPRS mode, and receiving the differential data via a wireless network; if the radio station of the mobile station receives fault information, the mobile station feeding a radio station fault back to a background server; the background server informing a technician to perform a fault check; after the problem of the radio station fault is solved, feeding information back to the mobile station via the background server; and the mobile station being switched to the mode of the radio station receiving the differential data. The present invention provides a reliable guarantee for the accurate positioning of a test, provides precious time for solving a radio station fault, and also saves manpower.



No. of Pages : 6 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010342 A

(19) INDIA

(22) Date of filing of Application :16/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : TILT MEASUREMENT METHOD FOR RTK MEASURING RECEIVER

(51) International classification :G01C9/00
(31) Priority Document No :201710016455.6
(32) Priority Date :10/01/2017
(33) Name of priority country :China
(86) International Application No :PCT/CN2017/089091
Filing Date :20/06/2017
(87) International Publication No :WO 2018/129865
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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1)SONG Rui
2)ZHOU Jin
3)YUAN Benyin
4)WANG Jiejun
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(57) Abstract :

A tilt measurement method for a real-time kinematic (RTK) measuring receiver, comprising the following steps: step S1: fastening the bottom of a centering rod, tilting and shaking, and then measuring; step S2: acquiring a measurement point sequence, a measurement point tilt sequence, a measuring rod length and an antenna phase center height on the basis of the measurement in step S1; step S3: acquiring a positioning quality target and geodetic coordinates of a point to be measured on the basis of a numerical value obtained by measurement; and step S4: determining whether the positioning quality target meets requirements, and deciding whether to end measurement. By means of said method, the positions of points to be measured are calculated according to the positions and inclination angles of the receiver antenna phase center, the centering rod length and the like when a certain number of tilt measurements are conducted, and for centimeter-sized RTK, when the number of observed values is enough, centimeter-sized position calculation precision may be obtained.



No. of Pages : 15 No. of Claims : 9

(54) Title of the invention : AUTOMATIC CALIBRATION METHOD OF ANGLE SENSOR FOR AUTOMATIC DRIVE CONTROL SYSTEM OF FARM MACHINE

(51) International classification :G01B21/22,G01M17/06,G01C25/00
 (31) Priority Document No :201610956720.4
 (32) Priority Date :27/10/2016
 (33) Name of priority country :China
 (86) International Application No :PCT/CN2017/089132
 Filing Date :20/06/2017
 (87) International Publication No :WO 2018/076725
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)REN Qiang

2)WANG Jiejun

3)SHEN Xuefeng

4)FENG Shaoxi

5)DONG Guangyang

(57) Abstract :

An automatic calibration method of an angle sensor for an automatic drive control system of a farm machine, comprising the following steps: step S1, fixing a steering wheel of a farm machine to keep the front wheels of a vehicle at a fixed angle; step S2, collecting current location information of the farm machine for several times and averaging; step S3, establishing a rear axle center-based kinematic model for a two-wheeled farm machine; step S4, calculating the radius to obtain a set of angle correspondence relationship; step S5, rotating the farm machine by a preset angle centered about a rear axle of the farm machine, and executing steps S1-S4; and step S6, after step S5 is executed for several times, performing angle fitting calculation to obtain a calibration coefficient. By using a technology combining vehicle kinematic and high-precision GNSS, the present invention can achieve a high-precision calibration of an angle sensor without external accessories and related empirical parameter input, can achieve an automatic calibration, and is adaptive to a precise agriculture automatic drive control system.



No. of Pages : 8 No. of Claims : 5

(54) Title of the invention : UNMANNED AERIAL VEHICLE FLIGHT CONTROL SYSTEM BASED ON CORS NETWORK DIFFERENTIAL POSITIONING

(51) International classification	:G01S19/48	(71)Name of Applicant :
(31) Priority Document No	:201610957088.5	1)SHANGHAI HUACE NAVIGATION TECHNOLOGY LTD
(32) Priority Date	:27/10/2016	Address of Applicant :ZHAO Lu Building C 599 Gaojing Road Xujing Town Qingpu District Shanghai 201799 China
(33) Name of priority country	:China	(72)Name of Inventor :
(86) International Application No	:PCT/CN2017/089129	1)DONG Shengfei
Filing Date	:20/06/2017	2)WANG Jiejun
(87) International Publication No	:WO 2018/076723	3)LI Caimeng
(61) Patent of Addition to Application Number	:NA	4)XIE Huazhong
Filing Date	:NA	5)HE Wei
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An unmanned aerial vehicle flight control system based on CORS network differential positioning, the system comprising: an MEMS sensing unit (2) for collecting angular velocity, linear velocity, air pressure and magnetic field data; a GNSS unit (3) for acquiring GNSS positioning data; a network communication unit (4) for acquiring CORS differential data; an attitude/navigation control unit (5) for controlling the attitude and navigation of an unmanned aerial vehicle; a main control unit (1) for data processing, data integration, system control operations between respective functional units. By using a 3G network to acquire CORS base station differential data so as to realize RTK differential positioning of the flight control system, the present invention can meet the requirements for centimeter-scale positioning precision for high-end consumer unmanned aerial vehicles and professional surveying and mapping unmanned aerial vehicles. Compared to the RTK differential positioning solution of using a self-built base station and transmitting differential data by a radio station, the present solution using a CORS network can acquire differentials more quickly and efficiently, not only eliminating the disadvantages that the radio station transmission mode has reduced precision during remote positioning and a limited radio station communication distance, but also corresponding with the development trend of RTK differential data networking in future.



No. of Pages : 7 No. of Claims : 6

(54) Title of the invention : VACUUM PUMP USING PROFILE

(51) International classification :F04F5/22,F04F5/14
 (31) Priority Document No :1020160120525
 (32) Priority Date :21/09/2016
 (33) Name of priority country :Republic of Korea
 (86) International Application No :PCT/KR2017/007006
 Filing Date :03/07/2017
 (87) International Publication No :WO 2018/056558
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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(72)Name of Inventor :

1)CHO Ho Young

(57) Abstract :

The present invention relates to a vacuum pump using a profile. The vacuum pump according to the present invention comprises: a hollow profile having a longitudinal mounting hole and a vacuum chamber formed adjacent to each other; an ejector pump arranged inside the mounting hole in the longitudinal direction; and end caps provided in both openings of the profile, respectively, so as to have a through-hole formed therein so as to correspond to the inflow opening or the discharge opening. Particularly, the first cap near the inflow opening is designed to have a passage through which the vacuum chamber and the mounting hole communicate with each other. The vacuum pump structure according to the present invention is considered to be a vacuum pump structure using at least a so-called profile best designed to make fabrication of the vacuum pump convenient and to improve vacuum characteristics.



No. of Pages : 14 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711042922 A

(19) INDIA

(22) Date of filing of Application :30/11/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : AN IMPROVED PROCESS FOR PREPARATION OF FLUORINATED AROMATIC COMPOUNDS

(51) International classification :C08F210/16
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)SRF Limited

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2)PANDURANGAN ANANDKUMAR

3)KAMARAJ THANGASELVAM

4)SEETHARAMAN PRASANNAKUMAR

5)NAGAPPAN ARUMUGAM

6)KUMAR KAPIL

7)ANAND RAJDEEP

(57) Abstract :

The present invention provides an industrially advantageous and an improved process for the preparation of fluorinated aromatic compounds of formula I. R¹ X² Formula I wherein R¹ is hydrogen or Ci- C₆ alkyl and X¹ and X² are F or Br, provided that X¹ and X² are not same.



No. of Pages : 20 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711042953 A

(19) INDIA

(22) Date of filing of Application :30/11/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : A MOLECULARLY IMPRINTED POLYMER (MIP) BASED GABA DETECTION PLATFORM FOR BEHAVIOR, COGNITION, AND THE BODY'S RESPONSE TO STRESS

(51) International classification	:A61K31/366	(71)Name of Applicant :
(31) Priority Document No	:NA	1)AMITY UNIVERSITY
(32) Priority Date	:NA	Address of Applicant :AMITY UNIVERSITY CAMPUS,
(33) Name of priority country	:NA	SECTOR-125 NOIDA UTTAR PRADESH-201313, INDIA Uttar
(86) International Application No	:NA	Pradesh India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)UTKARSH JAIN
(61) Patent of Addition to Application Number	:NA	2)NIDHI CHAUHAN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a Molecularly Imprinted Polymer (MIP) based OABA detection platform for behavior, cognition, and the body's response to stress. The present invention provides development .of a Molecularly Imprinted Polymer (MIP) based electrochemical sensor for the detection of GABA -using MAA as monomer and methanol and water as porogen. The utilization of molecularly imprinted polymer .(M&Ps) in -conjunction with electrochemical sensors-offers profoundly specific and selective scaled down sensors in light of template acknowledgment -for -diagnostic applications and therapeutic monitoring.

No. of Pages : 7 No. of Claims : 5

(54) Title of the invention : METHOD FOR REMOVING ORGANIC AND INORGANIC DEPOSITS IN ONE STEP

(51) International classification :C09K8/524
 (31) Priority Document No :62/394325
 (32) Priority Date :14/09/2016
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2017/050944
 Filing Date :11/09/2017
 (87) International Publication No :WO 2018/052840
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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 77073 U.S.A.
 (72)Name of Inventor :
1)QUINTERO, Lirio
2)FELIPE, Mary Jane

(57) Abstract :

Both organic deposits and inorganic deposits in a wellbore are simultaneously removed from a wellbore by contacting the deposits with a single phase fluid for an amount of time effective to simultaneously disperse the organic deposits and dissolve the inorganic deposits where the single phase fluid includes least one solvent at least one surfactant at least one co-solvent and at least one scale dissolver. The method further involves at least partially removing the organic deposits and inorganic deposits from the wellbore. In an embodiment where it is not necessary to remove inorganic deposits the scale dissolver may be omitted.



No. of Pages : 15 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917013133 A

(19) INDIA

(22) Date of filing of Application :01/04/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : TWO-COMPONENT SOLVENTLESS ADHESIVE COMPOSITIONS AND METHODS OF MAKING SAME

(51) International classification :C09J175/04C09J175/06C09J175/08
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country:NA
(86) International Application No :PCT/CN2016/099304
Filing Date :19/09/2016
(87) International Publication No :WO 2018/049672
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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2)ROHM AND HAAS COMPANY
3)BAI, Chenyan
4)CHEN, Mai
5)MARINE, Amira Avril
6)ZUPANCIC, Joseph James
7)GUO, Yinzhong
(72)Name of Inventor :
1)BAI, Chenyan
2)CHEN, Mai
3)MARINE, Amira Avril
4)ZUPANCIC, Joseph James
5)GUO, Yinzhong

(57) Abstract :

The present disclosure provides a two-component solventless adhesive composition comprising a polyol component and an isocyanate component. The polyol component comprises a phosphate functional compound and at least one polyol selected from polyester polyether and the combination thereof; and the isocyanate component comprises isocyanate prepolymer that is the reaction product of at least one isocyanate monomer and at least one polyol selected from polyester polyether and the combination thereof.

No. of Pages : 15 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917013139 A

(19) INDIA

(22) Date of filing of Application :01/04/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : CATHODE SLURRY FOR LITHIUM ION BATTERY

(51) International classification	:H01M4/02H01M4/04	(71)Name of Applicant :
(31) Priority Document No	:62/406402	1)GRST INTERNATIONAL LIMITED
(32) Priority Date	:11/10/2016	Address of Applicant :Unit 212, 2/F, Photonics Centre No. 2
(33) Name of priority country	:U.S.A.	Science Park East Avenue Hong Kong Science Park, Shatin, New
(86) International Application No	:PCT/CN2017/104239	Territories Hong Kong China
Filing Date	:29/09/2017	(72)Name of Inventor :
(87) International Publication No	:WO 2018/068662	1)HO, Kam Piu
(61) Patent of Addition to Application	:NA	2)WANG, Ranshi
Number	:NA	3)SHEN, Peihua
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided herein is a lithium-ion battery cathode slurry comprising: a cathode active material a conductive agent a binder material and a solvent wherein the cathode active material has a particle size D50 in the range from about 10 µm to about 50 µm and wherein the slurry coated onto a current collector having a wet film thickness of about 100 µm has a drying time of about 5 minutes or less under an environment having a temperature of about 60 to about 90 and a relative humidity of about 25% to about 40%. The cathode slurry disclosed herein has homogeneous ingredient dispersion and quick drying capability for making a lithium-ion battery with high quality and consistent performance. In addition these properties of the cathode slurry increase productivity and reduce the cost of manufacturing lithium-ion batteries.

No. of Pages : 39 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917013005 A

(19) INDIA

(22) Date of filing of Application :01/04/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : NON GENETIC MODIFICATION OF ENVELOPED VIRUSES

(51) International classification	:C12N7/00,A61K39/00	(71)Name of Applicant :
(31) Priority Document No	:1616365.1	1)VALO THERAPEUTICS OY
(32) Priority Date	:27/09/2016	Address of Applicant :Kampinkuja 2 00100 Helsinki Finland
(33) Name of priority country	:U.K.	(72)Name of Inventor :
(86) International Application No	:PCT/EP2017/072366	1)CERULLO Vincenzo
Filing Date	:06/09/2017	2)CAPASSO Cristian
(87) International Publication No	:WO 2018/059896	3)YLOSMAKI Erkkö
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention concerns a modified enveloped virus wherein said virus has at least one anti tumor tumor specific peptide non genetically attached to or inserted in/through the viral envelope; a pharmaceutical composition comprising same; and a method of treating cancer using same.



No. of Pages : 19 No. of Claims : 25

(54) Title of the invention : METHOD AND SYSTEM FOR CONTROLLING PTP MESSAGE IN OPTICAL TRANSMISSION CHIP SUPPORTING TRANSMISSION RATE OF OVER 100G/S

(51) International classification :H04J3/06,H04L12/861,H04L12/833
 (31) Priority Document No :201710317470.4
 (32) Priority Date :05/05/2017
 (33) Name of priority country :China
 (86) International Application No :PCT/CN2017/111855
 Filing Date :20/11/2017
 (87) International Publication No :WO 2018/201694
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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2)WUHAN FISILINK MICROELECTRONICS TECHNOLOGY CO.,LTD.

(72)Name of Inventor :

1)FANG Jitong

2)LIANG Yuantao

(57) Abstract :

The present invention relates to the technical field of optical transmission chips supporting time synchronization and specifically relates to a method and a system for controlling a PTP message in an optical transmission chip supporting a transmission rate of over 100G/s. The method comprises the steps of: providing a PTP message control mark at the tail portion of the PTP message; writing an Ethernet service channel message in a selected PTP writing cache space; if the PTP message control mark of the currently written Ethernet service channel message is valid writing in the current cache space package description information of the PTP message; using other PTP caches as PTP writing caches and writing the message again; and when there is a non empty PTP cache reading the PTP message in the PTP cache. The present invention can practically and efficiently complete the control of the optical transmission chip to the PTP message thereby increasing the control efficiency and processing performance of the optical transmission chip supporting a transmission rate of over 100G/s to the PTP message and reducing the design scale and costs for the optical transmission chip supporting a transmission rate of over 100G/s to support IEEE1588V2 high precision time synchronization function.



No. of Pages : 15 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917013007 A

(19) INDIA

(22) Date of filing of Application :01/04/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : PD-1 HOMING ENDONUCLEASE VARIANTS COMPOSITIONS AND METHODS OF USE

(51) International classification :C12N15/66C12N15/09C12N5/10
(31) Priority Document No :62/385079
(32) Priority Date :08/09/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/050774
Filing Date :08/09/2017
(87) International Publication No :WO 2018/049226
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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1)MANN, Jasdeep
2)GAY, Joel
3)JARJOUR, Jordan
4)ZHANG, Joy

(57) Abstract :

The present disclosure provides improved genome editing compositions and methods for editing a PD-1 gene. The disclosure further provides genome edited cells for the prevention treatment or amelioration of at least one symptom of a cancer an infectious disease an autoimmune disease an inflammatory disease or an immunodeficiency.



No. of Pages : 165 No. of Claims : 175

(54) Title of the invention : PROCESSES AND APPARATUSES FOR PRODUCTION OF AROMATIC PRODUCTS

(51) International classification :C07C5/27C07C7/04C07C7/08
 (31) Priority Document No :62/402205
 (32) Priority Date :30/09/2016
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2017/052445
 Filing Date :20/09/2017
 (87) International Publication No :WO 2018/063881
 (61) Patent of Addition to
 Application Number :NA
 Filing Date :NA
 (62) Divisional to Application
 Number :NA
 Filing Date :NA

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(72)Name of Inventor :

1)PEDNEKAR, Abhishek M.**2)WERBA, Gregory R.****3)ACIKGOZ, Saadet Ulas****4)CORRADI, Jason T.**

(57) Abstract :

Processes and apparatuses for producing a C8 aromatic isomer product are provided. The apparatus comprises an isomerization unit to provide an isomerized stream. An isomerate stripper column is in communication with the isomerization unit to provide an isomerate stripper overhead stream comprising C6- hydrocarbons in an isomerate overhead line and an isomerate stripper bottoms stream in an isomerate bottoms line. A dividing wall naphthene splitter column is in communication with the isomerate bottoms line to provide an overhead naphthene splitter stream comprising the C8 naphthenes and C7 aromatic hydrocarbons in a naphthene splitter overhead line and a naphthene splitter sidedraw stream comprising C8 aromatic isomers in a naphthene splitter sidedraw line. An extractive distillation column is in communication with the naphthene splitter overhead line to provide a recycle feedstream comprising the C8 naphthenes in a recycle line and an extract stream comprising the C7 aromatic hydrocarbons in an extract line.



No. of Pages : 21 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917013042 A

(19) INDIA

(22) Date of filing of Application :01/04/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : MULTILAYER FILMS AND LAMINATES AND ARTICLES COMPRISING THE SAME

(51) International classification :B32B27/32B32B27/08B32B27/36
(31) Priority Document No :PCT/CN2016/098578
(32) Priority Date :09/09/2016
(33) Name of priority country :China
(86) International Application No :PCT/US2017/046765
Filing Date :14/08/2017
(87) International Publication No :WO 2018/048580
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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(72)Name of Inventor :
1)PAN, Jianping
2)YUN, Xiao Bing
3)LIN, Yijian
4)CONG, Rongjuan

(57) Abstract :

Embodiments of the present invention relate to biaxially oriented multilayer polyethylene films and to laminates and articles formed therefrom. In one aspect a biaxially oriented multilayer polyethylene film comprises Layer A which is a sealant layer having a top facial surface and a bottom facial surface and comprising a first polyethylene wherein the first polyethylene has a density of at least 0.900 g/cm³ an IHDF>95 of 20-60 kg/mol and a MWHDF>95 of greater than 130 kg/mol wherein Layer A comprises at least 50 weight percent of the first polyethylene based on the weight of Layer A and Layer B having a top facial surface and a bottom facial surface wherein Layer B comprises one or more additional polyethylenes and wherein the top facial surface of Layer B is in adhering contact with a bottom facial surface of Layer A wherein the density of the first polyethylene is at least 0.002 g/cm³ less than the density of Layer B.

No. of Pages : 28 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917013043 A

(19) INDIA

(22) Date of filing of Application :01/04/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : REFORMER TUBE HAVING A STRUCTURED CATALYST AND IMPROVED HEAT BALANCE

(51) International classification :C01B3/38B01J19/32B01J8/02
(31) Priority Document No :16400041.6
(32) Priority Date :14/09/2016
(33) Name of priority country :EPO
(86) International Application No :PCT/EP2017/025252
Filing Date :05/09/2017
(87) International Publication No :WO 2018/050291
(61) Patent of Addition to
Application Number :NA
Filing Date :NA
(62) Divisional to Application
Number :NA
Filing Date :NA

(71)Name of Applicant :

**1)L'AIR LIQUIDE SOCIETE ANONYME POUR
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(72)Name of Inventor :

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2)GARY, Daniel

3)PROST, Laurent

4)TADIELLO, Jean-Philippe

5)BASIN, Marie

(57) Abstract :

A reformer tube for producing synthesis gas by steam reforming of hydrocarbon- containing feed gases in which a structured stream reforming catalyst is used is proposed. According to the invention a heat exchanger tube is arranged in the interior of the structured catalyst with the feed gas stream flowing firstly through the structured catalyst and subsequently in countercurrent through the heat exchanger tube. This improves the heat exchange between the synthesis gas product stream and the structured catalyst and the feed gas stream flowing through it especially in the radial direction.



No. of Pages : 23 No. of Claims : 12

(54) Title of the invention : METHOD FOR AUTOMATICALLY INSPECTING A WELD BEAD DEPOSITED IN A CHAMFER FORMED BETWEEN TWO METAL PIECES TO BE ASSEMBLED

(51) International classification :G01N29/04B23K9/095B23K31/12
 (31) Priority Document No :16 60151
 (32) Priority Date :19/10/2016
 (33) Name of priority country :France
 (86) International Application No :PCT/FR2017/052776
 Filing Date :10/10/2017
 (87) International Publication No :WO 2018/073511
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

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 Montigny Le Bretonneux France

(72)Name of Inventor :

1)FEUILLY, Nicolas

2)OCCHILUPO, Marco Aurelio

3)KERDILES, Eric

(57) Abstract :

The invention relates to a method for automatically inspecting a weld bead (24) deposited in several passes in a chamfer (18) formed between two parts (20 22) to be assembled comprising the following steps: positioning at least one electromagnetic acoustic sensor that emits ultrasound waves (2) on one side of the chamfer and at least one electromagnetic acoustic sensor that receives ultrasound signals (2) on an opposite side of the chamfer the sensor that emits ultrasound waves being configured to emit Rayleigh surface waves; during the deposit of one pass automatically moving the sensors by following the movement of the welding electrodes along the chamfer; activating the sensors during their movement to allow the emitting sensor to generate and emit Rayleigh waves in the direction of the pass of the weld bead being deposited the receiving sensor receiving the ultrasound signals transmitted and/or reflected in said pass; and repeating the operation for the entire pass of the weld bead.



No. of Pages : 23 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917013048 A

(19) INDIA

(22) Date of filing of Application :01/04/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : USER TERMINAL AND WIRELESS COMMUNICATIONS METHOD

(51) International classification	:H04W72/12H04W72/04	(71)Name of Applicant :
(31) Priority Document No	:2016-192024	1)NTT DOCOMO, INC.
(32) Priority Date	:29/09/2016	Address of Applicant :11-1, Nagatacho 2-chome, Chiyoda-ku,
(33) Name of priority country	:Japan	Tokyo 1006150 Japan
(86) International Application No	:PCT/JP2017/035388	(72)Name of Inventor :
Filing Date	:29/09/2017	1)HARADA, Hiroki
(87) International Publication No	:WO 2018/062458	2)TAKEDA, Kazuki
(61) Patent of Addition to Application		3)NAGATA, Satoshi
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In order to appropriately monitor a DL control channel even if scheduling units in the time direction are controlled this user terminal monitors a downlink (DL) control channel receives downlink control information (DCI) and comprises: a reception unit that receives time interval information indicating a time interval for monitoring the DL control channel; and a control unit that controls monitoring of the DL control channel on the basis of the time interval information.



No. of Pages : 56 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917013140 A

(19) INDIA

(22) Date of filing of Application :01/04/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : BATTERY SYSTEM

(51) International classification :H01M10/44H01M2/10H01M10/48
(31) Priority Document No :2016-204007
(32) Priority Date :18/10/2016
(33) Name of priority country :Japan
(86) International Application No :PCT/JP2017/037638
Filing Date :18/10/2017
(87) International Publication No :WO 2018/074502
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)**Name of Inventor :**
1)YAMAUCHI Shin
2)MAKINO Shigeki
3)KOMATSU Daiki

(57) Abstract :

A battery system 100 in which an output-type battery 105a and a capacity-type battery 105b are connected in parallel and the current of the capacity-type battery 105b is controlled on the basis of the temperature of the output-type battery 105a. As a result it is possible to provide a battery system which when high output is required suppresses the deterioration of the capacity-type battery thereof by keeping the current distribution to the capacity-type battery the temperature of which is more difficult to lower to within a set range.



No. of Pages : 22 No. of Claims : 4

(54) Title of the invention : MOTOR DRIVING DEVICE REFRIGERATION CYCLE DEVICE HAVING SAME AND METHOD FOR DRIVING MOTOR

(51) International classification :H02P6/10F25B49/02H02P21/26
 (31) Priority Document No :2016-187541
 (32) Priority Date :26/09/2016
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2017/034270
 Filing Date :22/09/2017
 (87) International Publication No:WO 2018/056394
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)NOTOHARA Yasuo

2)TAMURA Kenji

3)OKUYAMA Atsushi

4)TSUKII Koji

5)UETA Kazuhiro

6)LI Dongsheng

(57) Abstract :

Provided is a motor driving device capable of suppressing load vibration as well as reducing motor loss. This motor driving device (50) is provided with a control unit (51) which adjusts the range of the allowed variation in the rotating speed of a motor (M) connected to a compressor (11) on the basis of at least one among the rotation speed and load torque of the motor (M). Thus the effectiveness of a torque control that ensures that the output torque of the motor (M) matches a load torque of the compressor (11) or the effectiveness of a constant current control that ensures that the output torque of the motor (M) is constant regardless of variations in the load torque can be continuously adjusted according to the operating conditions of the motor (M).



No. of Pages : 37 No. of Claims : 6

(54) Title of the invention : A METHOD FOR CONTROLLING A VAPOUR COMPRESSION SYSTEM DURING GAS BYPASS VALVE MALFUNCTION

(51) International classification	:F25B49/02	(71)Name of Applicant :
(31) Priority Document No	:PA201600723	1)DANFOSS A/S
(32) Priority Date	:22/11/2016	Address of Applicant :Nordborgvej 81 6430 Nordborg
(33) Name of priority country	:Denmark	Denmark
(86) International Application No	:PCT/EP2017/079360	(72)Name of Inventor :
Filing Date	:15/11/2017	1)FREDSLUND, Kristian
(87) International Publication No	:WO 2018/095787	2)MADSEN, Kenneth Bank
(61) Patent of Addition to Application Number	:NA	3)PRINS, Jan
Filing Date	:NA	4)SCHMIDT, Frede
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method for controlling a vapour compression system (1) is disclosed the vapour compression system (1) comprising at least one compressor (2 16) a heat rejecting heat exchanger (3) a high pressure expansion device (4 15 17) a receiver (5) an evaporator expansion device (6) an evaporator (7) and a gas bypass valve (8) arranged in a refrigerant path. It is registered that the gas bypass valve (8) is malfunctioning or saturated and a pressure value for a pressure prevailing inside the receiver (5) is obtained. Finally the vapour compression system (1) is controlled in order to control a gaseous refrigerant supply to the receiver (5) to adjust the pressure prevailing inside the receiver (5) to reach a target pressure level.



No. of Pages : 15 No. of Claims : 10

(54) Title of the invention : TANK LEVEL SENSOR

(51) International classification :F16K31/18B67D7/36B67D7/00
 (31) Priority Document No :2016903857
 (32) Priority Date :23/09/2016
 (33) Name of priority country :Australia
 (86) International Application No.:PCT/AU2017/051039
 Filing Date :22/09/2017
 (87) International Publication No :WO 2018/053598
 (61) Patent of Addition to
 Application Number :NA
 Filing Date :NA
 (62) Divisional to Application
 Number :NA
 Filing Date :NA

(71)**Name of Applicant :**
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 (72)**Name of Inventor :**
1)DRAGOMIRESCU, Emil-Dan
2)PEATTIE, Adam

(57) Abstract :

The present invention relates generally to a tank overfill protection system (10) designed to be installed in a tank (12). The tank overfill protection system (10) comprises a tank level sensor (14) operatively coupled to a flow control valve assembly (16). The flow control valve assembly (16) is connected to the level sensor (14) via a pilot line (18) which contains a bleed fluid for controlling closure of the flow control valve assembly (16). The tank level sensor (14) comprises a valve body (20) a pilot valve (22) mounted to the valve body (20) and a pilot valve actuator (24) operatively coupled to the pilot valve (22) for its opening and closure. The pilot valve actuator (24) includes a balance member (26) arranged to cooperate with actuator biasing means in the form of a pilot compression spring (28). The balance member (26) is in the form of a counterbalance and has a specific gravity relative to liquid or fuel within the tank (12) so that at least part submersion of the balance member (26) under the influence of the pilot compression spring (28) provides movement of the balance member (26) and closure of the pilot valve (22). This closure of the pilot valve (22) substantially closes and subsequently pressurises the bleed fluid in the pilot line (18) for closure of the flow control valve assembly (16).



No. of Pages : 22 No. of Claims : 39

(54) Title of the invention : MEDICAL INSTRUMENT WITH CLEANING GAP IN THE CLOSURE REGION

(51) International classification	:A61B17/28	(71)Name of Applicant :
(31) Priority Document No	:10 2016 116 624.3	1)KARL LEIBINGER MEDIZINTECHNIK GMBH & CO. KG
(32) Priority Date	:06/09/2016	Address of Applicant :Kolbinger Strae 10 78570 M¼hlheim
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2017/072329	(72)Name of Inventor :
Filing Date	:06/09/2017	1)GABELE, Lorenz
(87) International Publication No	:WO 2018/046534	2)ROMETSCH, J¼rgen
(61) Patent of Addition to Application Number	:NA	3)SCHEU, Volker
Filing Date	:NA	4)SCHULZ, Oliver
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a medical instrument (1) with a first hand lever (2) which has a manually actuated grip portion (3) at its proximal end a work portion (4) for gripping clamping or cutting an object at its distal end and lying between these a bearing portion (5) on which a bearing element (6) engages in order to permit pivotability about a rotation axis (7) between the first hand lever (2) and a second hand lever (8) wherein the second hand lever (8) has a grip portion (9) at its proximal end a work portion (10) at its distal end and lying between these a guide portion (11) on which the bearing element (6) engages wherein the guide portion (11) of the second hand lever (8) has on one side a recess (12) for receiving the bearing portion (5) of the first hand lever (2) such that two guide protrusions (13 14) located distally and proximally of the recess (12) at least partially cover the bearing portion (5) in an operating position in which gripping clamping or cutting takes place wherein the bearing portion (5) of the first hand lever (2) is pressed by means of a spacing element (23) that provides distance through force or resistance away from the guide portion (11) of the second hand lever (8) in the operating position such that a cleaning gap (27) between the first hand lever (2) and the second hand lever (8) extends along the entire length of the guide portion (11).



No. of Pages : 20 No. of Claims : 10

(54) Title of the invention : SELF-ASSEMBLING PEPTIDE POLYMER

(51) International classification :A61K38/06A61L27/14A61L27/22
 (31) Priority Document No :62/385544
 (32) Priority Date :09/09/2016
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/US2017/050953
 Filing Date :11/09/2017
 (87) International Publication No :WO 2018/093449
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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3)CARNEGIE MELLON UNIVERSITY
 (72)Name of Inventor :
1)ULIJN, Rein, V.
2)LAMPEL, Ayala
3)TUTTLE, Tell
4)SCOTT, Gary
5)MCPHEE, Scott
6)BETTINGER, Christopher

(57) Abstract :

A self-assembling peptide is provided that is enzymatically oxidized to form a polymeric pigment. The monomeric peptide has three amino acids (tyrosine (Y) one phenylalanine (F) and one aspartic acid (D) or one lysine (K)) and following self-assembly and treatment with a tyrosinase enzyme oxidizes and polymerizes into a material with predetermined properties.



No. of Pages : 15 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917013181 A

(19) INDIA

(22) Date of filing of Application :01/04/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : ANTENNA DEVICE INCLUDING PARABOLIC-HYPERBOLIC REFLECTOR

(51) International classification :H01Q15/16H01Q21/00
(31) Priority Document No :2016143930
(32) Priority Date :09/11/2016
(33) Name of priority country :Russia
(86) International Application No :PCT/KR2017/007527
Filing Date :13/07/2017
(87) International Publication No :WO 2018/088669
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)Name of Inventor :
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2)NIKISHOV, Artem Yurievich
3)LUKYANOV, Anton Sergeevich
4)SHEPELEVA, Elena Aleksandrovna
5)KHRIPKOV, Alexander Nikolaevich

(57) Abstract :

An antenna device is provided. The antenna device includes a reflector having a profile of a parabolic shape in a first cross-section cut parallel to a first direction and a profile of a hyperbolic shape in a second cross-section the second cross-section being cut perpendicular to the first direction and crossing the first cross-section at a right angle and a radiating structure having at least one phased antenna array adapted to illuminate at least part of the reflector and to scan a beam. The edges of the profile of the parabolic shape of the first cross-section are formed to be directed toward the radiating structure. The edges of the profile of the hyperbolic shape of the reflector are formed to be directed away from the radiating structure. The antenna device may be diversified depending on various embodiments.



No. of Pages : 20 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917013193 A

(19) INDIA

(22) Date of filing of Application :01/04/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : A APPARATUS FOR COMPRESSING GAS USING HEAT AS ENERGY SOURCE

(51) International classification :F04C18/00F04B39/00F04B49/04
(31) Priority Document No :62/382301
(32) Priority Date :01/09/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/SE2017/000035
Filing Date :01/09/2017
(87) International Publication No :WO 2018/044218
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)NORLIN, Petrus
Address of Applicant :Henriksdalsringen 125 13132 Nacka Sweden
(72)Name of Inventor :
1)NORLIN, Petrus

(57) Abstract :

A gas compressor comprising a compressor chamber comprising a chamber inlet for gas and a chamber outlet for gas A gas heating device comprising a heater chamber having a heater inlet for gas and a heater outlet for gas. The gas heating device being arranged to heat gas present in the heater chamber thereby raising its pressure to a heated pressure and ejecting a first portion of the heated gas through the heater outlet into the compressor chamber retaining a second portion of the heated gas in the heater chamber thereby compressing gas present in the compressor chamber by applying pressure on said gas with said first portion of the heated gas while lowering the gas pressure in the heater chamber below the heated pressure

No. of Pages : 32 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917013049 A

(19) INDIA

(22) Date of filing of Application :01/04/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : DRYING OF NANOCELLULOSE USING AMMONIA IN A SUPERCRITICAL STATE

(51) International classification	:C08L1/02
(31) Priority Document No	:16198508.0
(32) Priority Date	:11/11/2016
(33) Name of priority country	:EPO
(86) International Application No	:PCT/EP2017/078408
Filing Date	:07/11/2017
(87) International Publication No	:WO 2018/087060
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71) **Name of Applicant :**
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(72) **Name of Inventor :**
1)JENNEKENS, Math
2)TRAMBITAS, Daniela Oana
3)DE VRIES, Tjerk, Jan

(57) Abstract :

It is an object of the present invention to provide a process for producing non-surface modified nanocellulose particles in particular in the form of a powder comprising the steps of i. providing a suspension of never-dried non-surface modified nanocellulose particles in an aqueous liquid which aqueous liquid is non-solubilising for the non-surface modified nanocellulose particles and which aqueous liquid is water or an aqueous solution of morpholine or piperidine or mixtures thereof ii. contacting the suspension of non-surface modified nanocellulose particles with a fluid in a supercritical state which fluid is miscible with the aqueous liquid and is non-solubilising for the non-surface modified nanocellulose particles under conditions suitable for the transfer of the aqueous liquid into the fluid in a supercritical state iii. removing the aqueous liquid and the fluid in a supercritical state preferably by controlling pressure and/or temperature to form the non-surface modified nanocellulose particles iv. collecting the non-surface modified nanocellulose particles characterized in that the fluid in a supercritical state comprises or consists of ammonia (NH₃) in a supercritical state.

No. of Pages : 16 No. of Claims : 10

(54) Title of the invention : USER TERMINAL WIRELESS BASE STATION AND WIRELESS COMMUNICATION METHOD

(51) International classification	:H04W74/08H04W16/28	(71) Name of Applicant :
(31) Priority Document No	:2016-192334	1)NTT DOCOMO, INC.
(32) Priority Date	:29/09/2016	Address of Applicant :11-1, Nagatacho 2-chome, Chiyoda-ku,
(33) Name of priority country	:Japan	Tokyo 1006150 Japan
(86) International Application No	:PCT/JP2017/035386	(72) Name of Inventor :
Filing Date	:29/09/2017	1)TAKEDA, Kazuaki
(87) International Publication No	:WO 2018/062456	2)TAKEDA, Kazuki
(61) Patent of Addition to Application	:NA	3)HARADA, Hiroki
Number	:NA	4)NAGATA, Satoshi
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention enables appropriate reception of a preamble and/or a message in a random access procedure and efficiently performs random access in a communication using beamforming. This user terminal performs communication with a wireless base station using multiple types of beamforming and is characterized by having: a reception unit that receives a DL signal transmitted from the wireless base station; a transmission unit that transmits a random access preamble (PRACH); and a control unit that performs a control such that a PRACH including beam information about a beam of the wireless base station is transmitted.



No. of Pages : 77 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917013054 A

(19) INDIA

(22) Date of filing of Application :01/04/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : WOUND HEALING PEPTIDE

(51) International classification :C07K14/475A61K38/18A61P43/00
(31) Priority Document No :2016903523
(32) Priority Date :02/09/2016
(33) Name of priority country :Australia
(86) International Application No :PCT/AU2017/050959
Filing Date :04/09/2017
(87) International Publication No :WO 2018/039748
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)JAMES COOK UNIVERSITY
Address of Applicant :Townsville, Queensland 4811 Australia
(72)Name of Inventor :
1)LOUKAS, Alex
2)SMOUT, Michael
3)DALY, Norelle

(57) Abstract :

Peptides derived from the N-terminal region of granulin have activity in promoting cell proliferation migration and/or wound healing. Furthermore an additional disulphide bond may be engineered into such peptides to improve or otherwise modify the folding of the peptide. The peptides may also be modified such as at proline residues improve the ability of the peptide to promote cell proliferation.



No. of Pages : 50 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917013129 A

(19) INDIA

(22) Date of filing of Application :01/04/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : IMPACT MODIFIED COMPOSITIONS FOR LOW TEMPERATURE USE CONTAINERS

(51) International classification :C08L23/12C08L23/14
(31) Priority Document No :62/393472
(32) Priority Date :12/09/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/050896
Filing Date :11/09/2017
(87) International Publication No :WO 2018/049300
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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(72)Name of Inventor :
1)LI PI SHAN, Colin
2)LEE, Jihean
3)LAAKSO, Raymond
4)GARCIA-MEITIN, Eddy I.
5)HU, Yushan

(57) Abstract :

Embodiments relate to compositions comprising: (a) from 60 wt% to 90 wt% of a propylene polymer base that has a melt flow rate from 2 g/10 min to 100 g/10 min according to ASTM D1238 (230 °C/2.16 kg); (b) from 2 wt% to 39.5 wt% of an olefin block copolymer; and (c) from 0.5 wt% to 20 wt% of a composite component comprising a crystalline block composite or a block composite. In certain embodiments the composition may further comprise: (d) from 1 wt% to 30 wt% a polyolefin copolymer the polyolefin copolymer being derived from ethylene and at least one of a C3 to C10 alpha-olefin having a melt index from 100 g/10 min to 2000 g/10 min according to ASTM D1238 (190 °C/2.16 kg) and having a density from 0.860 g/cc to 0.900 g/cc. In further embodiments the composition may further comprise: (e) from 0.1 wt% to 5 wt% of an antioxidant.



No. of Pages : 63 No. of Claims : 8

(54) Title of the invention : PRODUCTION METHOD FOR FORGED CRANKSHAFT

(51) International classification :B21K1/08B21J5/02
 (31) Priority Document No :2016-231013
 (32) Priority Date :29/11/2016
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2017/030238
 Filing Date :24/08/2017
 (87) International Publication No :WO 2018/100810
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

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2)TAMURA, Kenji
3)YOSHIDA, Kunihiro
4)HWANG, Samsoo
5)NAKANO, Ryusuke
6)HORI, Masao

(57) Abstract :

This production method comprises a preliminary forming step a forming step and a finish forging step. In the preliminary forming step an intermediate preform (24) is formed from a billet. In the forming step while each of multiple rough journal portions (24j) in the intermediate preform (24) is being pressed vertically downward and held by a pair of holding dies (60) a rough pin portion (24p) is decentered toward the direction of pressing downward by the holding dies (60) and toward the direction perpendicular to the axial direction of the intermediate preform (24) and the intermediate preform (24) is pressed downward in the axial direction thereof. In the finish forging step a final preform (25) which is arranged such that the decentering direction of the rough pin portion (24p) is parallel to a horizontal direction is pressed vertically downward using a pair of press dies so as to form a finish-forged product (26) comprising multiple journal portions (J) multiple pin portions (P) and multiple crank arm portions (A). This configuration enables a further decrease in the likelihood of a forged crankshaft having a defect.



No. of Pages : 32 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917013198 A

(19) INDIA

(22) Date of filing of Application :01/04/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : CLEANING APPLIANCE

(51) International classification :A46B11/00A46B15/00A61C17/02
(31) Priority Document No :1618073.9
(32) Priority Date :26/10/2016
(33) Name of priority country :U.K.
(86) International Application No :PCT/GB2017/053137
Filing Date :17/10/2017
(87) International Publication No :WO 2018/078330
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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2)VINCENT, Christopher
3)MARSH, Jonathan
4)HARRIS, Sammantha
5)ZUKINA, Boris
6)PROBERT, Michael
7)WILKINSON, Christopher

(57) Abstract :

A dental cleaning appliance includes a fluid reservoir for storing working fluid a nozzle for delivering working fluid to the teeth of a user a light source for illuminating the fluid reservoir and a control circuit for activating the light source to generate an alert which is conveyed to the user through the illumination of the fluid reservoir.



No. of Pages : 23 No. of Claims : 23

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917013199 A

(19) INDIA

(22) Date of filing of Application :01/04/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : SUPERCAPACITOR CHARGE SYSTEM AND METHOD

(51) International classification	:H02J7/00B60R16/033	(71)Name of Applicant :
(31) Priority Document No	:10201607549Q	1)E-SYNERGY GRAPHENE RESEARCH PTE. LTD.
(32) Priority Date	:09/09/2016	Address of Applicant :71 Ubi Road 1 #06-42 Oxley BizHub 1
(33) Name of priority country	:Singapore	Singapore 408732 Singapore
(86) International Application No	:PCT/SG2017/050398	(72)Name of Inventor :
Filing Date	:08/08/2017	1)LO, Kok Onn
(87) International Publication No	:WO 2018/048345	2)CHEN, Eng Kiat
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a supercapacitor charge system and a supercapacitor charge method of the supercapacitor charge system for a vehicle. The system and method are particularly relevant but not limited to at least one supercapacitor a stabilization and equalization controller operable to dampen a noise voltage a charge balancing controller operable to suppress an overcharge of the at least one supercapacitor and an energy management controller operable to control charge and discharge of the at least one supercapacitor for an energy distribution and operable to manage the energy distribution by interfacing with the stabilization and equalization controller and the charge balancing controller. Further the system and method are particularly relevant but not limited to the energy management controller that is operable to detect a charge amount and determine whether to charge or stop charging based on the charge amount.



No. of Pages : 30 No. of Claims : 58

(54) Title of the invention : INFRARED CLOUD DETECTOR SYSTEMS AND METHODS

(51) International classification	:G01J1/42G01K1/14G01J5/10	(71)Name of Applicant :
(31) Priority Document No	:15/287646	1)VIEW, INC.
(32) Priority Date	:06/10/2016	Address of Applicant :195 South Milpitas Blvd. Milpitas,
(33) Name of priority country	:U.S.A.	California 95035 U.S.A.
(86) International Application No	:PCT/US2016/055709	(72)Name of Inventor :
Filing Date	:06/10/2016	1)ZEDLITZ, Jason
(87) International Publication No	:WO 2018/067996	2)YING, Yuyang
(61) Patent of Addition to		3)WANG, Jue
Application Number	:NA	4)BROWN, Stephen Clark
Filing Date	:NA	
(62) Divisional to Application		
Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure generally relates to infrared cloud detector systems and methods for detecting cloud cover conditions. The infrared cloud detector system comprises an infrared sensor an ambient temperature sensor and logic. The infrared sensor is configured to measure sky temperature based on infrared radiation received within its field-of-view. The ambient temperature sensor is configured to measure an ambient temperature. And the logic is configured to determine a cloud condition based on a difference between the measured sky temperature and the measured ambient temperature.



No. of Pages : 64 No. of Claims : 46

(54) Title of the invention : DISC BRAKE

(51) International classification	:F16D65/092	(71)Name of Applicant :
(31) Priority Document No	:2017-235824	1)TOYOTA JIDOSHA KABUSHIKI KAISHA
(32) Priority Date	:08/12/2017	Address of Applicant :1, Toyota-cho, Toyota-shi, Aichi-ken
(33) Name of priority country	:Japan	471-8571, Japan Japan
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Tomohiro YOKOYAMA
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A disc brake includes: an inner pad (4) and an outer pad (6); a pressing device (8) configured to press the inner pad and the outer pad against a rotor, the pressing device including a first presser member (24) and a second presser member (26) that are movable parallel to a rotational axis of the rotor, and a frame (16) that is a frame-shaped rigid body and is movable in the direction parallel to the rotational axis; and a housing (10) mounted on a non-rotating body, the housing (10) holding the pressing device, the housing (10) including a pad pin (34, 35) that hold the inner pad and the outer pad so as to be movable in the direction parallel to the rotational axis, the pad pin being held by the housing at both ends of the pad pin in the direction parallel to the rotational axis.



No. of Pages : 52 No. of Claims : 13

(54) Title of the invention : ELECTROLYTE FOR LITHIUM SECONDARY BATTERY AND LITHIUM SECONDARY BATTERY COMPRISING SAME

(51) International classification :H01M10/0565H01M10/0568H01M10/0569
 (31) Priority Document No :10-2016-0166991
 (32) Priority Date :08/12/2016
 (33) Name of priority country :Republic of Korea
 (86) International Application No :PCT/KR2017/014432
 Filing Date :08/12/2017
 (87) International Publication No :WO 2018/106078
 (61) Patent of Addition to :NA
 Application Number :NA
 Filing Date :NA
 (62) Divisional to :NA
 Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)LG CHEM, LTD.

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(72)Name of Inventor :

1)OH, Jeong Woo

2)AHN, Kyoung Ho

3)LEE, Chul Haeng

4)LEE, Jung Hoon

(57) Abstract :

The present invention relates to an electrolyte for a lithium secondary battery and a lithium secondary battery comprising the same and, more particularly, to an electrolyte for a lithium secondary battery comprising a lithium salt, an organic solvent, and an oligomer represented by formula 1 disclosed in the present specification, and a lithium secondary battery comprising the same, wherein the electrolyte suppresses reactivity with lithium metal to improve overall performance.



No. of Pages : 62 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201814019726 A

(19) INDIA

(22) Date of filing of Application :25/05/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : METHOD FOR SIMULATING FLEXIBLE CELL CHIP LAMINATION PROCESS AND LAMINATION ASSEMBLY

(51) International classification :F01M9/10		(71)Name of Applicant :
(31) Priority Document No :201711328901.3		1)MIASOL% EQUIPMENT INTEGRATION (FUJIAN) CO., LTD.
(32) Priority Date :13/12/2017		Address of Applicant :No. 42 Zishan Road, Hi-Tech Zone, Licheng District, Quanzhou, Fujian 362005, CHINA China
(33) Name of priority country :China		(72)Name of Inventor :
(86) International Application No :NA		1)Deng
Filing Date :NA		2)Chao
(87) International Publication No : NA		3)Yi SHU
(61) Patent of Addition to Application Number :NA		4)Fan CHEN
Filing Date :NA		5)Pengjian ZHU
(62) Divisional to Application Number :NA		6)Hongxia SUN
Filing Date :NA		7)Wenbiao YAO
		8)Bo ZHOU
		9)Guojun XU

(57) Abstract :

The present disclosure provides a method for simulating flexible cell chip lamination process and a lamination assembly (20). The method comprises the steps of: laying a first high-temperature resistant cloth (22) on a bottom plate (21); laying a flexible cell chip (30) to be evaluated on the first high-temperature resistant cloth (22); laying a second high-temperature resistant cloth (23) on the flexible cell chip (30) to be evaluated; laying a top plate (24) on the second high-temperature resistant cloth (23) to form a lamination assembly (20); and placing the lamination assembly (20) into a lower chamber (13) of a laminator (10) having an upper chamber (131) and the lower chamber (13) and laminating the lamination assembly (20). [Figure 3]



No. of Pages : 21 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917013131 A

(19) INDIA

(22) Date of filing of Application :01/04/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : ADHESION PROMOTER COATED PARTICLES FOR POLYMER CONCRETE COMPOSITIONS

(51) International classification :C04B20/12C04B26/16C04B20/10

(31) Priority Document No :62/395460

(32) Priority Date :16/09/2016

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2017/051759

Filing Date :15/09/2017

(87) International Publication No :WO 2018/053250

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

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Address of Applicant :2040 Dow Center Midland, MI 48674
U.S.A.

(72)Name of Inventor :

1)AOU, Kaoru

2)GOYAL, Sachit

3)COLSON, Adam C.

4)MEDINA, Juan Carlos

(57) Abstract :

A method of preparing a polymer concrete composition includes preparing one or more adhesion promoter pre-coated aggregates each having a base substrate and an adhesion promoter coating and the adhesion promoter coating being an outermost layer on the base substrate providing a base composition including an isocyanate component and an isocyanate-reactive component and mixing the one or more adhesion promoter pre-coated aggregates the isocyanate component and the isocyanate-reactive component to form the polymer concrete composition.

No. of Pages : 20 No. of Claims : 10

(54) Title of the invention : BATTERY PACK

(51) International classification :H01M10/6556H01M10/6554H01M10/613
 (31) Priority Document No :62/432954
 (32) Priority Date :12/12/2016
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/KR2017/014569
 Filing Date :12/12/2017
 (87) International Publication No :WO 2018/110948
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

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(72)Name of Inventor :

1)DUDLEY, Scott**2)NOWICKI, Amanda**

(57) Abstract :

A battery pack including a battery module and a cooling plate is provided. The battery pack has a lower surface and a first planar surface extending parallel to the lower surface through the battery module. The cooling plate has a lower fan and an upper plate which are coupled to each other and extend along the longitudinal axis. The lower surface of the battery module is disposed on the upper plate. The lower fan includes a first cooling zone having first and second flow channel patterns in which a refrigerant is received. The first and second flow channel patterns are dimensioned and shaped to maintain a first half and a second half of the cross-sectional area of the battery module at a temperature that is within 1 degree Celsius from a first temperature level respectively.



No. of Pages : 21 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711042256 A

(19) INDIA

(22) Date of filing of Application :24/11/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : A DENTAL APPARATUS FOR DETECTION OF DENTAL CARIES

(51) International classification	:A61B5/0088
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :

1)SREEVATSAN RAGHAVAN

Address of Applicant :B 583, Sector 51, Kendriya Vihar
Noida, Uttar Pradesh-201307, India Uttar Pradesh India

2)VIBHU GOGIA

(72)Name of Inventor :

1)SREEVATSAN RAGHAVAN

2)VIBHU GOGIA

(57) Abstract :

The present invention relates to a dental apparatus for the detection of dental caries. The system utilizes at least one luminosity sensor for optically measuring the decay by measuring the reflection or dispersion and sends that data to a micro-controller which further shows the status of teeth via different color display LED's and further utilizes the data to be displayed on a digital platform like mobile, tablet, etc using an application.

No. of Pages : 29 No. of Claims : 10

(54) Title of the invention : SWING ARM FOR SADDLE RIDING VEHICLE

(51) International classification	:F01K27/00	(71)Name of Applicant :
(31) Priority Document No	:2017-235101	1)HONDA MOTOR CO., LTD.
(32) Priority Date	:07/12/2017	Address of Applicant :1-1, Minami-Aoyama 2-chome, Minato-ku, Tokyo 107-8556, Japan Japan
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:NA	1)KURAKAWA Yukinori
Filing Date	:NA	2)UEKI Yusuke
(87) International Publication No	: NA	3)ISHITSUKA Yuji
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

To enable part of a hollow portion to be easily made solid and to realize high rigidity, in a swing arm for a saddle riding vehicle.

[Solving Means] The swing arm for the saddle riding vehicle that supports a wheel in a swingable manner includes a swing arm main body 25 made of a fiber reinforced resin. The swing arm main body 25 is formed to be hollow, and an embedded member 70 of a material different from the fiber reinforced resin is embedded in such a manner as to make solid at least part of the hollow portion 25a of the swing arm main body 25. [Selected Drawing] FIG. 8



No. of Pages : 50 No. of Claims : 6

(54) Title of the invention : REMOTE MONITORING APPARATUS, MONITORING CENTER SERVER AND INITIAL SETTING METHOD OF MONITORING TARGET FACILITY

(51) International classification	:G05B15/02	(71)Name of Applicant :
(31) Priority Document No	:2017-236206	1)Hitachi Building Systems Co., Ltd.
(32) Priority Date	:08/12/2017	Address of Applicant :2-101, Kandaawaji-cho, Chiyoda-ku,
(33) Name of priority country	:Japan	Tokyo, 101-8941, Japan Japan
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Youichi Kumakura
(87) International Publication No	: NA	2)Teruyoshi Ogawa
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

There is provided a remote monitoring apparatus that collects sensor signals of monitoring target facilities via an external device I/F, monitors the signals in accordance with predetermined monitoring content, and transmits the signals to a monitoring center, the remote monitoring apparatus including a specific-information acquiring unit that detects connection of the monitoring target facilities to the external device I/F and acquires specific information of the monitoring target facilities, a request-data generating unit that generates, from the acquired of specific information, initial-setting request data requesting initial setting for associating the monitoring content with each of the monitoring target facilities, a communication unit that transmits the generated initial-setting request data to the monitoring center, and an initial setting unit that registers, as setting information, initial setting data containing the monitoring content of each of the specific information in response to the initial-setting request data.



No. of Pages : 54 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917009066 A

(19) INDIA

(22) Date of filing of Application :08/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : MOLECULES HAVING CERTAIN PESTICIDAL UTILITIES, AND INTERMEDIATES, COMPOSITIONS, AND PROCESSES RELATED THERETO

(51) International classification :A01N47/28A01N47/32A01N43/08
(31) Priority Document No :62/437323
(32) Priority Date :21/12/2016
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2017/065968
Filing Date :13/12/2017
(87) International Publication No :WO 2018/118551
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)DOW AGROSCIENCES LLC
Address of Applicant :9330 Zionsville Road Indianapolis, IN 46268 U.S.A.
(72)Name of Inventor :
1)WEBSTER, Jeffery D.
2)GIAMPIETRO, Natalie C.
3)DEMETER, David A.
4)SPARKS, Thomas C.

(57) Abstract :

This disclosure relates to the field of molecules having pesticidal utility against pests in phyla Nematoda, Arthropoda, and/or Mollusca, processes to produce such molecules and intermediates used in such processes, compositions containing such molecules, and processes of using such molecules against such pests. These molecules may be used, for example, as nematocides, acaricides, insecticides, miticides, and/or molluscicides. This document discloses molecules having the following formula (Formula One and Formula Two).

No. of Pages : 106 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201814030353 A

(19) INDIA

(22) Date of filing of Application :13/08/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : INTEGRATED VDA HOUSING WITH ANTI-ROTATION FEATURE

(51) International classification	:G02B27/0176	(71)Name of Applicant :
(31) Priority Document No	:US	1)CONTINENTAL AUTOMOTIVE SYSTEMS, INC
(32) Priority Date	:15/782,319	Address of Applicant :One Continental Drive, Auburn Hills,
(33) Name of priority country	:10/12/2017	MI 48326, UNITED STATES OF AMERICA U.S.A.
(86) International Application No	:U.S.A.	(72)Name of Inventor :
Filing Date	:NA	1)Nydam ; Benjamin
(87) International Publication No	:NA	2)Thommandram ; Giri
(61) Patent of Addition to Application Number	:NA	3)Taylor ; Donald
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A throttle control assembly which includes a throttle body housing, an adapter integrally formed with the throttle body housing, a housing portion being part of the adapter, and a central port which extends through the throttle body housing and the adapter. A first groove is integrally formed as part of the adapter, a second groove is integrally formed as part of the throttle body housing, and a rib portion disposed between the first groove and the second groove. The rib portion is formed as part of the adapter, and an anti-rotation feature is integrally formed with the throttle body housing. The anti-rotation feature is integrally formed with the throttle body housing during a molding process. The anti-rotation feature may be formed in different locations on the outer surface of the housing, allowing the throttle body assembly to be suitable for various applications having different design and packaging requirements. FIGURE : 1



No. of Pages : 19 No. of Claims : 18

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917003702 A

(19) INDIA

(22) Date of filing of Application :30/01/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : BATTERY CELL CAPABLE OF MEASURING INTERNAL TEMPERATURE

(51) International classification :H01M10/48H01M10/0587H01M10/04
(31) Priority Document No :10-2017-0000678
(32) Priority Date :03/01/2017
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2017/014296
Filing Date :07/12/2017
(87) International Publication No :WO 2018/128283
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)LG CHEM, LTD.
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Seoul 07336 Republic of Korea
(72)Name of Inventor :
1)KIM, Su-Hyun
2)LEE, Su-Rim
3)OH, Song-Taek

(57) Abstract :

The present invention provides a battery cell comprising an electrode assembly having a structure which comprises a cathode an anode and a separator interposed between the cathode and the anode wherein the cathode and the anode have an electrode mixture which comprises an electrode active material applied to one surface or both surfaces of current collectors the cathode and the anode have a first cathode terminal and a first anode terminal respectively formed as external input/output terminals of the battery cell and at least one of the cathode and the anode has a resistance measurement terminal for measuring the resistance of the current collectors formed at a location facing the external input/output terminals.



No. of Pages : 21 No. of Claims : 15

(54) Title of the invention : IDENTIFYING A RESOURCE FOR TRANSMITTING A FIRST UPLINK CHANNEL

(51) International classification	:H04L1/18H04L5/00	(71)Name of Applicant :
(31) Priority Document No	:62/418010	1)MOTOROLA MOBILITY LLC
(32) Priority Date	:04/11/2016	Address of Applicant :222 West Merchandise Mart Plaza,
(33) Name of priority country	:U.S.A.	Suite 1800 Chicago, Illinois 60654 U.S.A.
(86) International Application No	:PCT/US2017/060241	(72)Name of Inventor :
Filing Date	:06/11/2017	1)JUNG, Hyejung
(87) International Publication No	:WO 2018/085790	2)NORY, Ravikiran
(61) Patent of Addition to Application	:NA	3)NANGIA, Vijay
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Apparatuses methods and systems are disclosed for communicating a short-duration uplink channel. One apparatus 400 includes a transceiver 425 that receives 1005 a downlink scheduling assignment message from a base unit 110 the scheduling message assigning resources for reception of a TB. The apparatus 400 includes a processor 405 that identifies 1010 a set of uplink resources in a slot and determines 1015 a first uplink resource from within the set. Here selecting the first uplink resource is based on: a RB index of a first assigned FRU of the TB a lowest CCE index of the scheduling message a HARQ-ACK feedback delay and/or a HARQ-ACK resource index/offset indicated in the scheduling message. Additionally the transceiver 425 transmits 1020 a first uplink channel conveying at least HARQ-ACK feedback for the TB on the first uplink resource wherein the first uplink channel comprises one or two symbols in the slot.



No. of Pages : 40 No. of Claims : 27

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917013206 A

(19) INDIA

(22) Date of filing of Application :01/04/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : PHOTSENSITIZER

(51) International classification :C07D487/22C07F3/06A61L2/232

(31) Priority Document No :20165867

(32) Priority Date :17/11/2016

(33) Name of priority country :Finland

(86) International Application No :PCT/FI2017/050775

Filing Date :09/11/2017

(87) International Publication No :WO 2018/091774

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)Name of Applicant :

1)TAMPEREEN KORKEAKOULUS,,,TI- SR

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Tampereen Yliopisto Finland

(72)Name of Inventor :

1)EFIMOV, Alexander

2)LJO, George

3)SANTALA, Ville

(57) Abstract :

The present application relates to a phthalocyanine to a method for preparing the phthalocyanine and to an object coated or impregnated with the phthalocyanine. The present application also relates to a method for providing reactive oxygen species and to a method for disinfecting materials comprising providing reactive oxygen species to the material to disinfect the material by oxidative action.



No. of Pages : 33 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201814045933 A

(19) INDIA

(22) Date of filing of Application :05/12/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : METHOD AND SYSTEM FOR MONITORING DRAWING OF YARN FROM A BOBBIN

(51) International classification	:D05B59/02
(31) Priority Document No	:GB1720479.3
(32) Priority Date	:08/12/2017
(33) Name of priority country	:U.K.
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)Name of Applicant :
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U.K.
(72)Name of Inventor :
1)EATON, DAVID CHARLES
2)WARNE, NIGE

(57) Abstract :

The invention provides a method and a system for monitoring of yarn drawn axially from a bobbin (24a). It is desired to monitor one or both of remaining capacity of an active bobbin and transfer from one active bobbin 24a to the next. A free portion (30) of the yarn moves circumferentially about the bobbin as the yarn is drawn from it. The invention involves a sensor responsive to electromagnetic radiation arranged to sense the free portion (30) of the yarn and to provide an output which varies with a period P corresponding to the period of the circumferential movement of the free portion of the yarn about the bobbin (24a). The period P can be interpreted to provide the desired information.



No. of Pages : 12 No. of Claims : 14

(54) Title of the invention : SADDLE TYPE VEHICLE

(51) International classification	:B60N 2/40	(71)Name of Applicant :
(31) Priority Document No	:2017-236010	1)SUZUKI MOTOR CORPORATION
(32) Priority Date	:08/12/2017	Address of Applicant :300, Takatsuka-cho, Minami-ku,
(33) Name of priority country	:Japan	Hamamatsu-shi, Shizuoka, 4328611, Japan Japan
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Kei HASEGAWA
(87) International Publication No	: NA	2)Koichi TANAKA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A saddle type vehicle comprises: a first oil cooler 11 and a second oil cooler 12 sandwiching the down tube 22 in a vehicle left-right direction, and disposed on a front side of the engine; and a plurality of pipes 14 to 16 configured to connect an engine 10, the first oil cooler 11 and the second oil cooler 12. The first oil cooler 11 includes a first upper tank 62 and a first lower tank 63 connected to both upper and lower end portions of the first core 11. The second oil cooler 12 includes a second upper tank 72 and a second lower tank 73 connected to both upper and lower end portions of a second core 71. The plurality of pipes 14 to 16 includes a first pipe 14 configured to guide the oil from the engine 10 to the first lower tank 63, a second pipe 15 configured to guide the oil from the first upper tank 62 to the second upper tank 72, and a third pipe 16 configured to guide the oil from the second lower tank 73 to the engine 10.



No. of Pages : 36 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201814046146 A

(19) INDIA

(22) Date of filing of Application :06/12/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : LIGHT MODULE FOR MOTOR VEHICLE

(51) International classification	:F21S	(71)Name of Applicant :
(31) Priority Document No	:1761768	1)VALEO VISION
(32) Priority Date	:07/12/2017	Address of Applicant :34, rue Saint Andre, 93012 BOBIGNY
(33) Name of priority country	:France	Cedex, France France
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)DORN David
(87) International Publication No	: NA	2)DONNEN Eric
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a light module (1) for a motor vehicle comprising: - a light source (10); - an electronic support (11); - a driver device (13) driving the electrical power supply of said one light source (10) arranged on said electronic support (11); - a heatsink (12) comprising an obviously (121) in which said driver device (13) is housed, characterized in that said light source (10) is fixed onto said heatsink (12).



No. of Pages : 23 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201814046191 A

(19) INDIA

(22) Date of filing of Application :06/12/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : VEHICLE AIR CONDITIONING DUCT STRUCTURE

(51) International classification	:B60H1/00564	(71)Name of Applicant :
(31) Priority Document No	:2017-238056	1)TOYOTA JIDOSHA KABUSHIKI KAISHA
(32) Priority Date	:12/12/2017	Address of Applicant :1, Toyota-cho, Toyota-shi, Aichi-ken,
(33) Name of priority country	:Japan	471-8571, Japan Japan
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Madoka DOI
(87) International Publication No	: NA	2)Keisuke YAMAGISHI
(61) Patent of Addition to Application Number	:NA	3)Noboru ASAI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A vehicle air conditioning duct structure includes: a front defroster nozzle (10R) which is provided in a vehicle front part, extends in a vehicle width direction, and is formed such that one end portion (14R) is connected to an air conditioning device (11) disposed on a rear surface side of an instrument panel and the other end portion (18R) is disposed inside a front pillar (30) and is provided with a front side air outlet (40) opening toward a windshield glass (34); and a side defroster nozzle (12R) which is branched from an upstream side of the front side air outlet (40) of the front defroster nozzle (10R) and of which a tip portion is provided with a side air outlet (50) opening toward a front side glass.



No. of Pages : 28 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201814035588 A

(19) INDIA

(22) Date of filing of Application :21/09/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention :FIXING STRUCTURE FOR VEHICULAR CANISTER •

(51) International classification	:F02M25/0854	(71)Name of Applicant :
(31) Priority Document No	:2017-237868	1)SUZUKI MOTOR CORPORATION
(32) Priority Date	:12/12/2017	Address of Applicant :300, Takatsuka-cho, Minami-ku,
(33) Name of priority country	:Japan	Hamamatsu-shi, Shizuoka-ken, Japan Japan
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Yuta TOMIYOSHI
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

[Problem to be Solved] To improve mounting strength of a canister in a vehicle. [Solution] In a fixing structure of a canister 20, a fuel tank 10 is mounted by a second tank belt 19, a recess 13 recessed to a vehicle upper side is provided in an upper bottom surface 13a of the fuel tank 10, and the canister 20 is disposed in the recess 13. The second tank belt 19 is joined to a cross member while supporting the recess 13 from a lower side. A canister bracket 25 is joined to the second tank belt 19. The canister 20 is fixed to the recess 13 through the canister bracket 25.



No. of Pages : 21 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201814043034 A

(19) INDIA

(22) Date of filing of Application :15/11/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : LOCKING AND UNLOCKING CONTROL SYSTEM AND LOCKING AND UNLOCKING CONTROL METHOD

(51) International classification	:E05B47/00	(71)Name of Applicant :
(31) Priority Document No	:2017-235832	1)TOYOTA JIDOSHA KABUSHIKI KAISHA
(32) Priority Date	:08/12/2017	Address of Applicant :1, Toyota-cho, Toyota-shi, Aichi-ken
(33) Name of priority country	:Japan	471-8571, Japan Japan
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Hiroko TSUJIMURA
(87) International Publication No	: NA	2)Kei KANAOKA
(61) Patent of Addition to Application Number	:NA	3)Shun MAEDA
Filing Date	:NA	4)Yoshihiro MUROZAKI
(62) Divisional to Application Number	:NA	5)Daiki KANEICHI
Filing Date	:NA	6)Kuniaki JINNAI

(57) Abstract :

A locking and unlocking control system includes: a first information acquisition part (4023) configured to acquire presence information as to whether a parcel associated with a first user is present in a predetermined region defined in a vehicle or a facility, the predetermined region having a door configured to be locked and unlocked through a locking and unlocking process performed by a locking and unlocking control device (10A); and a locking and unlocking control part (4022) configured to execute a predetermined process so as not to permit unlocking of the door by a second user when the locking and unlocking control part (4022) determines based on the presence information that the parcel is present in the predetermined region and when the door is locked. SELECTED DRAWING: FIG. 5



No. of Pages : 71 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010351 A

(19) INDIA

(22) Date of filing of Application :17/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : NANO-BUBBLE GENERATOR AND METHOD OF GENERATING NANO-BUBBLES

(51) International classification :B01F3/04,B01F5/04,B01F13/08
(31) Priority Document No :2016/06731
(32) Priority Date :28/09/2016
(33) Name of priority country :South Africa
(86) International Application No:PCT/ZA2017/050054
Filing Date :06/09/2017
(87) International Publication No :WO 2018/064689
(61) Patent of Addition to
Application Number :NA
Filing Date :NA
(62) Divisional to Application
Number :NA
Filing Date :NA

(71)Name of Applicant :
1)BOTH A Quartus Paulus
Address of Applicant :Erf 2530 6810 Porterville South Africa
(72)Name of Inventor :
1)BOTH A Quartus Paulus

(57) Abstract :

A nano-bubble generator (10) includes (i) a housing (12) defining: an inlet (24) for receiving a liquid with entrained macro-bubbles; a first chamber (20) operatively downstream of the inlet; a second chamber (22) operatively downstream of the first chamber (20); and an outlet (26) operatively downstream of the second chamber (22); (ii) at least one blade (30) disposed within the first chamber (20) for, in use, cutting macro-bubbles entrained in the liquid to convert such macro-bubbles into micro-bubbles; (iii) at least one first magnet (32) within the second chamber (22); and (iv) at least one second magnet (34) associated with the second chamber (22), wherein (a) the at least one first magnet (32) and the at least one second magnet (34) are arranged such that the polarity of the at least one first magnet (32) is opposed to the at least one second magnet (34); and (b) the at least one first magnet (32) is movable relative to the at least one second magnet (34).



No. of Pages : 7 No. of Claims : 7

(54) Title of the invention : INTERLACING DEVICE

(51) International classification :D02J1/08
 (31) Priority Document No :2017-238801
 (32) Priority Date :13/12/2017
 (33) Name of priority country :Japan
 (86) International Application No :NA
 Filing Date :NA
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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(72)Name of Inventor :

1)Kenji SUGIYAMA**2)Kinzo HASHIMOTO**

(57) Abstract :

A yarn is certainly inserted into a yarn introduction passage through which the yarns is introduced into a yarn running space. A yarn introduction passage 32 through which a yarn Y is introduced into a yarn running space 31 in which the yarn Y runs includes a first yarn passage 36 which - extends in the height direction, a second yarn passage 37 which is connected to the first yarn passage 36 and extends in the left-right direction, and a third yarn passage 38 which extends in the height direction and connects the right end of the second yarn passage to the yarn running space 31. A swing member 25 is swung about a shaft 44 parallel to the yarn running direction of the left side of the interlacing portion 21 so as to press the yarn Y. The yarn Y is pressed in the height direction by the swing member 25 so as to be inserted into the first yarn passage 36. The yarn Y then moves in the second yarn passage 37 on account of a component in the left-right direction of force exerted by the swing member 25 and the tension of the yarn Y itself. Thereafter, as the pressing of the yarn Y by the swing member 25 is canceled, the yarn Y moves in the third yarn passage 38 and reaches the yarn running space 31, on account of the tension of itself.



No. of Pages : 55 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201711021685 A

(19) INDIA

(22) Date of filing of Application :21/06/2017

(43) Publication Date : 14/06/2019

(54) Title of the invention : SAVITRI DEVI AGARWAL METHOD

(51) International classification	:B60L 53/53	(71)Name of Applicant : 1)RAJEEV KUMAR GARG
(31) Priority Document No	:NA	Address of Applicant :219, POCKET-D, MAYUR VIHAR
(32) Priority Date	:NA	PHASE-2, DELHI-110091, INDIA. Delhi India
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)RAJEEV KUMAR GARG
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This device or electricity also generate while there is no sunlight i.e. night or cloudy hours or rainy season. Because battery once charged live charge till Six months without discharged so it is benefit of charged battery This electricity once start to manufacture than it make electricity for ever because electricity generate while there is sun light and when electricity is making than another set of battery charged by alternator with the help of charger. On when there is off hours there must be air flown so it charge another set of battery by fan who inclined at top of place and solar panel who charge battery with sunlight who charge in normal time after that it will charge another set of battery by rotation and provision for another set of battery charge by generator with battery charger at emergency also. Which is in figure no 1A on page no 12 attached herewith



No. of Pages : 9 No. of Claims : 1

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201814029976 A

(19) INDIA

(22) Date of filing of Application :09/08/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : METHOD AND COMPUTER-READABLE STORAGE MEDIUM FOR PROVIDING SMART EDUCATION SERVICE

(51) International classification	:G06F9/4893	(71)Name of Applicant :
(31) Priority Document No	:10-2017-0171515	1)TAGHIVE INC.
(32) Priority Date	:13/12/2017	Address of Applicant :(Siheung-dong, Pangyo Creative Economy Valley Business Support Hub), 806-ho, 815,
(33) Name of priority country	:Republic of Korea	Daewangpangyo-ro, Sujeong-gu, Seongnam-si, Gyeonggido 13449, Republic of Korea Republic of Korea
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Agarwal Pankaj
(87) International Publication No	: NA	2)Dong Wook NAM
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

According to an embodiment of the present disclosure, tag devices enable a teacher to intuitively check the progress of students and how much students understand about a current lesson by giving a question to the students during class, collect all responses to the question to check which choice is selected by each student, how many students select each choice, and the ratio of students with a correct answer, and transmit the results to their parents devices. According to an embodiment of the present disclosure, it is possible to create and store questions and choices using a teacher device, share the questions and choices with other teacher devices and use questions shared by the other teacher devices.



No. of Pages : 40 No. of Claims : 22

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010148 A

(19) INDIA

(22) Date of filing of Application :15/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : A SYSTEM FOR CLIMATE CONTROL IN CLOSED OR SEMI CLOSED SPACES

(51) International classification :A01G9/18A01G9/24
(31) Priority Document No :20161306
(32) Priority Date :16/08/2016
(33) Name of priority country :Norway
(86) International Application No :PCT/NO2017/050204
Filing Date :16/08/2017
(87) International Publication No :WO 2018/034570
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)GREENCAP SOLUTIONS AS
Address of Applicant :L`KKA 9 3271 LARVIK Norway
(72)Name of Inventor :
1)JOHANSEN, Tom
2)CHRISTENSEN, Tor
3)SKJ†VELAND, Jarle

(57) Abstract :

A system and method for enhancement of CO2 concentration in closed or semi closed spaces, wherein said system comprises a unit (3) for capturing CO2 from ambient air, said unit further comprises two process units (134, 172) capable of 5 adsorbing and desorbing CO2 on an adsorbent, and working alternately in adsorbing and desorbing mode.



No. of Pages : 15 No. of Claims : 8

(54) Title of the invention : METHOD FOR MEASURING VARNISH FILM THICKNESS OF PRINTED ARTICLE AND VARNISH FILM THICKNESS MEASUREMENT DEVICE

(51) International classification :B41F33/00B41M3/14B41M7/02
 (31) Priority Document No :2016-187109
 (32) Priority Date :26/09/2016
 (33) Name of priority country :Japan
 (86) International Application No :PCT/JP2017/031708
 Filing Date :04/09/2017
 (87) International Publication No:WO 2018/056029
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)**Name of Applicant :**
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 (72)**Name of Inventor :**
1)NUMAUCHI, Hiromitsu

(57) Abstract :

The present invention is a method for measuring the varnish film thickness of a printed article by obtaining the film thickness of varnish on a sheet (1) on which a pattern is printed on a base thereof with ink and the pattern is coated with the varnish, wherein a metal foil (1c) having a smooth surface is attached to the base of the sheet (1), and the film thickness of the varnish coated directly over the metal foil (1c) is detected with a spectral interference-type film thickness meter (81) so as to determine whether the film thickness of the varnish is acceptable or not on the basis of the results detected by the spectral interference-type film thickness meter (81).



No. of Pages : 30 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201917010378 A

(19) INDIA

(22) Date of filing of Application :18/03/2019

(43) Publication Date : 14/06/2019

(54) Title of the invention : ELECTRONIC DEVICE, DISPLAY APPARATUS, AND CONTROL METHOD THEREOF

(51) International classification :G09G3/00
(31) Priority Document No :10-2016-0146738
(32) Priority Date :04/11/2016
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2017/012094
Filing Date :30/10/2017
(87) International Publication No :WO 2018/084516
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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Suwon-si Gyeonggi-do 16677 Republic of Korea
(72)Name of Inventor :
1)BEON, Nam-kyun
2)KIM, Min-jung
3)LIM, Sang-kyun

(57) Abstract :

An electronic device is disclosed. The electronic device comprises: a communication unit; a storage for storing multiple images obtained by respectively capturing multiple display modules disposed in a display panel of a display apparatus which displays a predetermined image; and a processor for calculating a target value for at least one of the brightness and color of each of multiple sub-pixels constituting the display panel, on the basis of the multiple images, calculating a correction coefficient for correcting at least one of the brightness and color of each of the multiple sub-pixels to the target value, and controlling the communication unit such that the calculated correction coefficient is transmitted to the display apparatus.



No. of Pages : 32 No. of Claims : 12

(54) Title of the invention : TELEPRESENCE CONTROLLER AND SYSTEM USING MAGNETORHEOLOGICAL FLUID CLUTCH APPARATUSES

(51) International classification :A61B34/35A61B34/37B25J19/02
 (31) Priority Document No :62/382989
 (32) Priority Date :02/09/2016
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/CA2017/051034
 Filing Date :01/09/2017
 (87) International Publication No :WO 2018/039803
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

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Address of Applicant :400 Marquette Sherbrooke, Quebec J1H 1M4 Canada

(72)Name of Inventor :

1)LAROSE, Pascal

2)PLANTE, Jean-Sebastien

3)DENNINGER, Marc

4)JULI, Guifr

(57) Abstract :

A telepresence controller is provided for interaction with a remote telepresence session to control haptic interactions between an end effector and the remote telepresence session. Force sensor (s) monitor force (s) applied to an end effector. Position sensor (s) monitor a position of the end effector. The telepresence controller communicates with the remote telepresence session to exchange position data and force data indicative of concurrent haptic movements of the end effector and an object in the remote telepresence session. Magnetorheological fluid clutch apparatus (es) have an input adapted to be connected to a power source and configured to receive a degree of actuation (DOA) therefrom, the magnetorheological fluid clutch apparatus (es) having an output being actuatable to selectively transmit the received DOA to the end effector by controlled slippage. A force controller module determines a force input required on the end effector as a function of haptic events for the object in the remote telepresence session. A clutch driver module drives the magnetorheological fluid clutch apparatus with the controlled slippage being as a function of the force input.



No. of Pages : 34 No. of Claims : 43

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201817047459 A

(19) INDIA

(22) Date of filing of Application :14/12/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : FLUIDIC DEVICES AND METHODS OF MANUFACTURING THE SAME

(51) International classification	:B01L3/00G01N15/14	(71)Name of Applicant :
(31) Priority Document No	:62/452923	1)ILLUMINA, INC.
(32) Priority Date	:31/01/2017	Address of Applicant :5200 Illumina Way San Diego, CA
(33) Name of priority country	:U.S.A.	92122 U.S.A.
(86) International Application No	:PCT/US2017/065855	(72)Name of Inventor :
Filing Date	:12/12/2017	1)EARNEY, John, Gerhardt
(87) International Publication No	:WO 2018/144138	2)FULLERTON, Justin
(61) Patent of Addition to Application	:NA	3)SMITH, Kaleb
Number	:NA	4)VENKATESAN, Bala, Murali, K.
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An example method includes providing a working stack having a first substrate layer, a second substrate layer, and a radiation-absorbing material disposed between the first and second substrate layers. The working stack includes a cavity therein having a designated liquid. A bonding interface is defined between the radiation-absorbing material and at least one of the first substrate layer or the second substrate layer. The bonding interface has a film of the designated liquid. The method also includes directing radiation onto the bonding interface to form a perimeter seal. The perimeter seal separates the cavity from an outer area of the bonding interface. The method also includes directing the radiation onto the outer area of the bonding interface to secure the first and second substrate layers together. The perimeter seal impedes an ingress of bubbles from the outer area into the cavity as the radiation is directed onto the outer area.



No. of Pages : 35 No. of Claims : 22

(54) Title of the invention : SYSTEM AND METHOD FOR CAPTURING AND RELEASING FIXED-WING AIRCRAFT

(51) International classification :B64D5/00B64C27/00B64C37/02
 (31) Priority Document No :62/433623
 (32) Priority Date :13/12/2016
 (33) Name of priority country :U.S.A.
 (86) International Application No :PCT/CA2017/051495
 Filing Date :11/12/2017
 (87) International Publication No :WO 2018/107278
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :
1)PINTO, Ryan Evaristo
 Address of Applicant :10 Belfry Ave. Toronto, Ontario M8Z 2L2 Canada
 (72)Name of Inventor :
1)PINTO, Ryan Evaristo

(57) Abstract :

A capture-and-release aircraft for capturing and releasing fixed-wing aircraft is provided. The capture-and-release aircraft comprises a frame to which is secured a set of rotor units. Each rotor unit has a rotor with a rotation axis the rotation axes of the rotors being generally parallel. A set of aircraft engagement members is also secured to the frame that can align with a set of anchors of a fixed-wing aircraft to releasably couple with the anchors.



No. of Pages : 24 No. of Claims : 17

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201817032628 A

(19) INDIA

(22) Date of filing of Application :30/08/2018

(43) Publication Date : 14/06/2019

(54) Title of the invention : REFRIGERATOR

(51) International classification :F25D23/02F25D17/08F25D29/00
(31) Priority Document No :10-2016-0172027
(32) Priority Date :15/12/2016
(33) Name of priority country :Republic of Korea
(86) International Application No :PCT/KR2017/014437
Filing Date :11/12/2017
(87) International Publication No :WO 2018/110913
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(72)Name of Inventor :

1)BAE, Il Sung

2)SONG, Joo Hee

3)LEE, Joo Yong

(57) Abstract :

Disclosed herein is a refrigerator which includes a rear duct including a first guide passage configured to guide cold air generated in an evaporator and a cooling discharge port through which the cold air is discharged from the first guide passage to the inside of a storage compartment to cool the storage compartment an upper duct including a second guide passage coupled with the first guide passage and an air curtain discharge port through which the cold air is discharged from the second guide passage to a front opening of the storage compartment to form an air curtain at the front opening of the storage compartment and a blade to close or open the air curtain discharge port and which may form an effective air curtain with a simple structure.



No. of Pages : 15 No. of Claims : 15

(54) Title of the invention : REFRIGERATOR AND METHOD OF MANUFACTURING AUGER FOR THE REFRIGERATOR

(51) International classification :F25D25/04F25C5/00F25D23/12
 (31) Priority Document No :10-2016-0169657
 (32) Priority Date :13/12/2016
 (33) Name of priority country :Republic of Korea
 (86) International Application No :PCT/KR2017/014306
 Filing Date :07/12/2017
 (87) International Publication No:WO 2018/110898
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :

1)SAMSUNG ELECTRONICS CO., LTD.

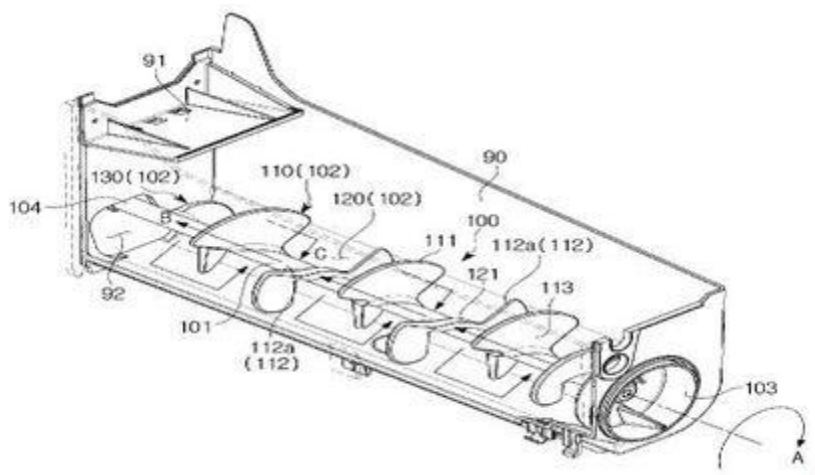
Address of Applicant :129, Samsung-ro, Yeongtong-gu, Suwon-si Gyeonggi-do 16677 Republic of Korea

(72)Name of Inventor :

1)PARK, Kyoung Ki**2)YOOK, Min Seob**

(57) Abstract :

Disclosed is a refrigerator. The refrigerator includes a body which includes a storage compartment an ice maker provided in the storage compartment and configured to form ice an ice bucket in which the ice formed by the ice maker is stored and an auger provided in the ice bucket and configured to include a rotating shaft and an extension portion radially extended from the rotating shaft while being spirally extended along the rotating shaft. Here the extension portion includes a plurality of transfer portions configured to include perimeter edges spirally extended and side edges radially extended and to be arranged to allow the perimeter edges to form a continuous spiral shape.



No. of Pages : 13 No. of Claims : 15

CONTINUED TO PART- 2