

(12) PATENT APPLICATION PUBLICATION

(21) Application
No.202041006033 A

(19) INDIA

(22) Date of filing of Application :12/02/2020

(43) Publication Date :
21/02/2020

(54) Title of the invention : IBAS-VEHICLE: INTELLIGENT-BALANCING ADVANCED VEHICLE STRUCTURE

(51)
International:B62K0011000000,B62K0005010000,B62D0025040000,H01L0023538000,B61D00170800
classification 00
n

(31) Priority
Document :NA
No

(32) Priority :NA
Date

(33) Name
of priority :NA
country

(86)
International
Application :NA
No :NA

Filing
Date
(87)
International : NA
Publication
No

(61) Patent
of Addition
to
Application :NA
Number :NA

Filing
Date

(62)
Divisional
to :NA
Application :NA
Number

Filing
Date

(71)Name of Applicant :
1)DR.

SIVAKANDHAN C
Address of Applicant
:DEPARTMENT OF
MECHANICAL
ENGINEERING, SRI
INDU INSTITUTE OF
ENGINEERING AND
TECHNOLOGY,
SHERIGUDA,
IBRAHIMPATNAM
501510, HYDERABAD,
INDIA. PAN :
BOJPS7903A,Email :
kandhansiva69@gmail.co
m Telangana India

**2)DR. A R PRADEEP
KUMAR**

3)DR. SENTHUR N S

**4)DR. SHANKAR
GANESH N**

5)DR. R PRAKASH

6)DR. C G MOHAN

(72)Name of Inventor :
1)DR.

SIVAKANDHAN C
**2)DR. A R PRADEEP
KUMAR**

3)DR. SENTHUR N S

**4)DR. SHANKAR
GANESH N**

5)DR. R PRAKASH

6)DR. C G MOHAN

(57) Abstract :

IBAS-VEHICLE: INTELLIGENT-BALANCING ADVANCED VEHICLE STRUCTURE. ABSTRACT The InventionIBAS-VEHICLE • A Intelligent-balancing vehicle structure includes two side structure units and a bearing unit interconnecting the side structure units such that each of the side structure units can tilt independently against the other of the side structure units. Each of side structure is mounted with a wheel, a driver, and a intelligent-balancing electric system integrated with a pedal and handle. Through operation of hands and feet, each of the side structure units is operable to tilt the corresponding components forwardly and rearward. As such, a user can operate the vehicle using hands and/or feet to control travelling and turning of the vehicle.

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