

**पेटेंट कार्यालय
शासकीय जर्नल**

**OFFICIAL JOURNAL
OF
THE PATENT OFFICE**

निर्गमन सं. 01/2018

ISSUE NO. 01/2018

शुक्रवार

FRIDAY

दिनांक: 05/01/2018

DATE: 05/01/2018

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201741046830 A

(19) INDIA

(22) Date of filing of Application :27/12/2017

(43) Publication Date : 05/01/2018

(54) Title of the invention : THERMODYNAMIC CYCLE BASED POWER GENERATION SYSTEM AND A METHOD THEREOF

(51) International classification	:F02C1/00; F02C6/00	(71)Name of Applicant : 1)NARAYANAN, Shankar Ganesh Address of Applicant :12/6, First East Main,Raiiv Gandhi Nagar, Vellore,Tamil Nadu,India 632002. Tamil Nadu India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)NARAYANAN, Shankar Ganesh
(33) Name of priority country	:NA	2)VENKATACHARI, Srinivas
(86) International Application No	:NA	3)MARUTHAMUTHU, RAVI KUMAR
Filing Date	:NA	4)GUNASEKAIRAN, UMA MAHESWARI
(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 present invention relates to thermodynamic cycle based power generation system and a method of using thermal and solar energy in the stream of multi component fluids. According to the main aspect of the invention, thermodynamic cycle based power generation system is comprising at least a pressurized water reactor, plurality of heat exchangers, a turbine and a generator, a separator, plurality of mixers and pumps, wherein, the heating arrangement used in the power generation system is a pressurized water reactor and/or a solar panels.

No. of Pages : 16 No. of Claims : 8