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पेटेंट प्रमाणपत्र PATENT CERTIFICATE (Rule 74 of The Patents Rules) क्रमांक : 044147715 SL No :



पेटेंट सं. / Patent No.

415030

आयेदन सं. / Application No.

202241016231

फाइल करने की तारीख / Date of Filling

23/03/2022

पेरेंटी / Patentee

2310312022

1 Dr. Neerukonda Rama Devi 2.Dr. D. V. S. S. Siva Sarma

3.Dr. G. Ravi Kumar 4.Dr. M V Ramesh et al.

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यधाप्रकटित Detection of stator incipient faults and identification of faulty phase in three-phase induction motor नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपवंधों के अनुसार आज तारीख मार्च 2022 के तेइसर्वे दिन से वीस वर्ष की अविध के लिए

It is hereby certified that a patent has been granted to the patentee for an invention entitled Detection of stator incipient faults and identification of faulty phase in three-phase induction motor as disclosed in the above mentioned application for the term of 20 years from the 23rd day of March 2022 in accordance with the provisions of the Patents Act,1970.



ानुशन की वाधिक : Date of Grant :

21/12/2022

Controller of Patent

हम प्रेट के नर्वकरण के लिए पीमा, पनि इसे बनाए एका जाना है, वार्च 2024 के तेहार्वे दिन परे और उसके परचात प्रत्येक को में उसी दिन देव होनेत Bose. The fees for renewal of this potent, if it is to be maintained will fall / has fallen due on 23rd day of March 2024 and on the same





भारत सरकार GOVERNMENT OF INDIA पेटेंट कार्यालय THE PATENT OFFICE पेटेंट प्रमाणपत्र PATENT CERTIFICATE (Rule 74 of The Patents Rules) क्रमांक : 044147715 SL No :



पेटेंट सं. / Patent No.

415030

आवेदन रां. / Application No.

202241016231

फाइल करने की तारीख / Date of Filing

23/03/2022

पेरेंटी / Patentee

1.Dr. Neerukonda Rama Devi 2.Dr. D. V. S. S. Siva Sarma

4.Dr. M V Ramesh et al.

प्रमाणित किया जाता है कि पेटेंटी की, उपरोक्त आवेदन में यधाप्रकटित Detection of stator incipient faults and identification of faulty phase in three-phase induction motor नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपवंधों के अनुसार आज तारीख मार्च 2022 के तेड्सवें दिन से वीस वर्ष की अविध के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled Detection of stator incipient faults and identification of faulty phase in three-phase induction motor as disclosed in the above mentioned application for the term of 20 years from the 23rd day of March 2022 in accordance with the provisions of the Patents Act,1970.



अनुवन की वार्षिक : Date of Grant : 21/12/2022

Controller of Patent

रिवाली पूर्त वेट के नहीं करण के लिए बीम, बाँद करों बनाए रखा जाना है, वार्त 2024 के तेव्सवें दिन को और उसके प्रकाल प्रत्येक क्ष्में में उसी दिन देव होती।

tiote. The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on 23nd day of March 2024 and on the same

"by movery year thereafter

2

(19) INDIA

1) International

86) International

Filing Date

61) Patent of Addition :NA

Application Number :NA

7) International

Filing Date

pplication Number

Filing Date

2) Divisional to

ublication No.

pplication No

assification

(22) Date of filing of Application :30/06/2022

(43) Publication Date: 08/07/2022

(54) Title of the invention: CLOUD BASED HYBRID GRID TIED SOLAR VEHICLE SUPER CHARGING STATION

:G07B0015020000, G07F0007080000,

G07F0015000000, B60L0053300000,

G07F0017000000

:PCT//

: NA

:NA

:NA

:01/01/1900

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innovation is a charging station powered by the sun and can be used for electric and hybrid automobiles. When a vehicle parks in ace with a charging station, the driver may pay for both the space and the power by using a credit card, debit card, cash, a smart or a network link to a database such as EZ-Pass. As long as the car is linked to the station, the station will charge the vehicle's ery automatically. The charging station turns off when the vehicle's battery is at its maximum capacity. The only costs the client is onsible for are those associated with using space and power. To resume charging, clients must re-insert their smart card or credit In the reader if the charging circuit is interrupted. When the billing process is initiated, an adequate amount of money is deducted the payment method. If the user plugs their smart card before leaving the establishment, any money not utilized for charging is ed back onto their account or smart card.

of Pages: 17 No. of Claims: 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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International

Filing Date International

Application Number

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pplication No

ublication No 61) Patent of Addition

(22) Date of filing of Application: 19/09/2022

(21) Application No.202241053342 A

(43) Publication Date: 23/09/2022

(54) Title of the invention: Remote Patient Monitoring system using IoT and 5G Technology

:G06Q0050220000, G16B0020000000,

G06Q00500000000, H04L0029080000,

C12Q0001688600

:PCT//

: NA

:NA

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Abstract:

global pandemic caused by COVID-19 had a significant impact on healthcare, social life, and economic activity all across the globe. Under global pandemic caused by COVID-19. Including the post-pandemic emergence of COVID-19, technology is an essential component in the provision of prehensive and easily available digital health services. Therefore, 5G systems and e-health solutions that are enabled by 5G are of the utmost ficance. This invention focuses on techniques for making effective use of 5G to provide suitable digital services for use in e-health applications. dition to this, it provides a comprehensive analysis of the challenges with implementation, alternative remedies, and future research

of Pages: 16 No. of Claims: 4

:G06K0009000000, G08G0001160000,

B60Q0009000000, G06N0003040000,

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Filing Date (87) International

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(62) Divisional to

(61) Patent of Addition to

Application No

Publication No

classification

(22) Date of filing of Application :20/07/2022

(43) Publication Date: 29/07/2022

(54) Title of the invention : DRIVER ASSISTANCE BY OBJECT DETECTION DURING NIGHT USING DEEP NEURAL NETWORKS

(71)Name of Applicant:

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4)K S Ranjith

5)P. Sree Lakshmi

6)SHAIK MOULA

7)Mesa. Kezia Aruna Jyothi

8)Dr. Kommalapati Rajesh

9)M C Shanker

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(57) Abstract:

Vehicle accidents are caused by driver error commonly, by utilizing the Advanced Driver Assistance Systems (ADAS) accidents can be reduced. General safety ADAS applications include Pedestrian detection/avoidance, Lane departure warning/correction, Traffic sign recognition, and Automatic emergency braking, and Blind spot detection. Driver to detect pedestrian and vehicle is a complex task under opposite vehicle high front light exposure during night vision. In this proposed work, object detection techniques using deep neural network is used to identify the pedestrians and vehicles. The database is collected in highways, streets, main connected roads between towns in Indian roads. The collected database is used for training You only look once (YOLO) deep neural network. Experimental results show the proposed pedestrian and vehicle detection is accurate and robust.

No. of Pages: 15 No. of Claims: 4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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(22) Date of filing of Application :05/08/2022

 $(51)\ International\ classification\\ (52)\ Go5B0019418000,\ G06Q0010080000,\ G06Q0010060000,\\ G05B0019042000,\ G06Q0050040000$

·PCT//

: NA

:NA

:NA

·NA

:NA

:01/01/1900

(21) Application No.202241044831 A

(43) Publication Date: 19/08/2022

(54) Title of the invention: Innovative system of flexible production line manufacturing method

(71)Name of Applicant:

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[05] The present invention provides a production control system and method for a flexible production line. The system includes a product specification and a process control module, an operation plan execution module and a SCADA module of a data acquisition, monitoring and control system, including: equipment acquisition and monitoring submodules. The module collects information about the status and faults of production equipment, and the scheduling sub-module schedules tasks between the WMS warehouse management system and the farm management system based on the information about the status and faults of production equipment; the WIP tracking sub-module is used to collect information about the manufacturing process of a product. RFID Signal RFID records part status information at each work step to control the part in the flexible production line production process. The invention can realize the information and digital process control of products with flexible production lines, make the details of workshop production section more transparent, improve the degree of downsizing and the degree of standardization of the production mode, and increase the capacity of production efficiency. Accompanied Drawing [FIG. 1] [FIG. 2]

No. of Pages: 27 No. of Claims: 5

⁽⁵⁷⁾ Abstract



CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021104161

The Commissioner of Patents has granted the above patent on 13 April 2022, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

ADDEPALLI MALLINADH KASHYAP of JAWAHARLAL NEHRU TECHNOLOGICAL, UNIVERISTY, HYDERABAD and GIET, ENGINEERING COLLEGE RAJAHMUNDRY India

Title of invention:

A METHOD AND SYSTEM FOR STUDYING THE BEHAVIOR AND STRENGTH OF GEOPOLYMER CONCRETE

Name of inventor(s):

KASHYAP, ADDEPALLI MALLINADH; Rao, T. Chandrasekhar and Ramanarao, N. V.

Term of Patent:

Eight years from 15 July 2021

NOTE: This Innovation Patent cannot be enforced unless and until it has been examined by the Commissioner of Patents and a Certificate of Examination has been issued. See sections 120(1A) and 129A of the Patents Act 1990, set out on the reverse of this document.



Dated this 13th day of April 2022

Commissioner of Patents

Extracts from the Patents Act, 1990

Sect 120(1A)

Infringement proceedings in respect of an innovation patent cannot be started unless the patent has been certified.

Sec 128 Application for relief from unjustified threats

- (1) Where a person, by means of circulars, advertisements or otherwise, threatens a person with infringement proceedings or other similar proceedings a person aggrieved may apply to a prescribed court, or to another court having jurisdiction to hear and determine the application, for:
 - (a) a declaration that the threats are unjustifiable; and
 - (b) an injunction against the continuance of the threats; and
 - (c) the recovery of any damages sustained by the applicant as a result of the threats.
- (2) Subsection (1) applies whether or not the person who made the threats is entitled to, or interested in, the patent or a patent application.

Sec 129A

Threats related to an innovation patent application or innovation patent and courts power to grant relief.

Certain threats of infringement proceedings are always unjustifiable.

- (1) If:
 - (a) a person:
 - (i) has applied for an innovation patent, but the application has not been determined; or
 - (ii) has an innovation patent that has not been certified; and
 - (b) the person, by means of circulars, advertisements or otherwise, threatens a person with infringement proceedings or other similar proceedings in respect of the patent applied for, or the patent, as the case may be; then, for the purposes of an application for relief under section 128 by the person threatened, the threats are unjustifiable.

Courts power to grant relief in respect of threats made by the applicant for an innovation patent or the patentee of an uncertified innovation patent

(2) If an application under section 128 for relief relates to threats made in respect of an innovation patent that has not been certified or an application for an innovation patent, the court may grant the application the relief applied for.

Courts power to grant relief in respect of threats made by the patentee of certified innovation patent

(3) If an application under section 128 for relief relates to threats made in respect of a certified innovation patent, the court may grant the applicant the relief applied for unless the respondent satisfies the court that the acts about which the threats were made infringed, or would infringe, a claim that is not shown by the applicant to be invalid.

Schedule 1 Dictionary

certified, in respect of an innovation patent other than in section 19, means a certificate of examination issued by the Commissioner under paragraph101E(e) in respect of the patent

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(http://ipindia.nic.in/index.htm)



Patent Search

Invention Title	Pile supported Multi-layered Porous Media
Publication Number	29/2022
Publication Date	22/07/2022
Publication Type	INA
Application Number	202241037005
Application Filing Date	28/06/2022
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	CIVIL
Classification (IPC)	E02B0003060000, E02B0003120000, E21B0004160000, E02D0005460000, E02B0009080000

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Abstract:

The present invention discloses an innovative breakwater titled "pile-supported multi-layered porous media" to protect the rubble-mound rock core from vertice displacements against the incident ocean waves. The breakwater consists of multiple porous layers place one on one horizontally to enhance the wave dissipated and leeside interfaces of the breakwater rock core are protected with a pair of piles. Two shapes of vertical piles such as circular piles and rectangular piles are rock core from the vertical and horizontal displacements. The maximum wave dissipation is plausible by the innovative breakwater when surface layer porosity layer porosity is moderate and bottom layer porosity is minimal. The multi-layered porous media tightly held within a pair of piles to protect the breakwater from horizontal displacements.

Complete Specification

Description:PREAMBLE TO THE DESCRIPTION

The present invention is generally related to the protection of the coastal infrastructure and protection of already available or newly developed brea unprecedented gravity wave attack. The innovation is also used to create a calm wave zone near ports, harbors, and beaches to encourage the safety of coas infrastructure.

BACKGROUND OF THE INVENTION

Porous structures are the most common coastal structures proposed as effective wave damping devices in the offshore and near-shore regions to s marine infrastructure from incident gravity wave stroke.

Several types of porous and non-porous breakwaters such as floating breakwaters, floating pontoons, submerged breakwaters, fully-extended breakwaters and horizontal thin plates are proposed as wave damping devices to protect the coastal infrastructure from the incident wave stroke. The wave scatted performance (wave reflection, wave transmission, and energy loss coefficients) of several types of submerged and fully-extended breakwaters have been reposted to be a submerged and fully-extended breakwaters and analytical, and numerical methods.

However, the seaside and leeside interfaces of the porous structures experience the maximal wave-induced hydrodynamic forces due to the continu

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Page last updated on: 26/06/2019

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(http://ipindia.nic.in/index.htm)



Patent Search

Invention Title	Stratified Wave Reflector
Publication Number	27/2022
Publication Date	08/07/2022
Publication Type	INA
Application Number	202241037698
Application Filing Date	30/06/2022
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	CIVIL
Classification (IPC)	E02B0003060000, F03B0013180000, F03B0013140000, E02B0009080000, H01M0010052500

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Abstract:

The present invention discloses an innovative breakwater titled "Stratified Wave Reflector" to protect the vertical seawalls with hidden caisson from failures again water waves. The innovation disclosed is a stratified wave reflector consisting of a combination of rear side vertical impermeable wall with hidden caisson (both and the hidden caisson is protected with a porous layer (hidden porous layer) and then the porous layer is placed under surface porous layer. The seaward int stratified wave reflector is protected from the failures due to wave action by adding the front side thin permeable wall consisting of the hexagonal pore spaces wave reflector dissipates the maximum possible wave energy and minimizes the wave reflection. The surface layer is developed with mountain rock of maximum compared with the diameter of mountain rock used for the hidden porous layer. The change in diameter of mountain rock allows the change in porosity to ach wave damping and minimize the wave reflection. The thin vertical wall consists of minimal porosity with hexagon pore spaces as compared with the diameter of rock to protect the stratified wave reflector from failures. The invention with embodiments is useful to protect the already available or newly developed seawal maximum waves.

Complete Specification

impermeable vertical wall. The advantage of additional wave damping by imparting the stratification concept (multiple porous layers) is used in the invention detailed review of various innovations disclosed by several scientists is reported in detail.

Patent Number US4836709 discloses the water wave absorber to reduce the reflected gravity waves. The innovation contains a series of thin metal spositioned perpendicular to the incident wave direction. The change of plate porosity in both vertical and horizontal directions is applied to the innovation to performance characteristics.

Patent Number US6715958B2 discloses the floating wave attenuator contains the curved vertical wall placed on a horizontal plate. The invention is a device and an air chamber is provided to adjust the buoyance property of the invention. The innovation is expandable one or more floating wave attenuators to the already available invention and the whole breakwaters are secured with anchoring.

Patent Number: US6935808B1 discloses a multi-purpose breakwater to decay the incident wave amplitude and generate electricity from incident wave invention consists of a buoyant element to obstruct the wave stroke and the front edge of the invention is submerged and the rear edge of the invention is p the free surface. The rocking motion of the fluid is further converted into electricity using the embodiments of the invention.

Patent No: US9340940B2 discloses a floating rectangular breakwater that includes multiple baffles. The multiple baffles are permeable and attached section of the floating breakwater to dissipate the incident waves and further reduce the wave transmission. The innovation aims to reduce the width of the breakwater by adding the bottom baffles. The minimal wave transmission (K_T=0.5) by innovation is achieved by installing the multiple porous baffles. Patent US10550534B1 discloses the efficacy of the vertical thin walls of individual porosity as compared with a rubble-mound breakwater in reducing the wave trans

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