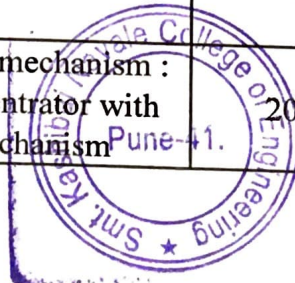


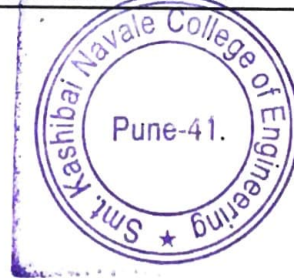
Patent Details

A. Y.	S.No.	Faculty Name	Title of patent	Application No.	Application Date	Status
2021-22	1	Ms.Rashmi B. Kale	E-Authentication system:Using a combination of QR code and OTP for enhance security	202121033745	27/7/2021	Published
	2	Ms.Rashmi B. Kale	Android Battery sever system : An alarm telling the user to force stop or close the apps that are drwaing power using AI based programming	202121033747	27/7/2021	Published
	3	Dr.Pathan Mohd.Shafi	Use of Internet of things in connected passenger car	202121035264	19/11/2021	Published
2020-21	1	Mr.P.G.Chilveri	A System & Method Comprising ECC Based Hetnet Node Authentication Protocol	202021010474	11-03-2020	Published
	2	Dr. L. V. Patil	A Ticketing And Tracking System For Distance Based Fare Calculation During Transportation	202021033975	04-09-2020	Published
	3	Dr. M. L. Bangare	Cloud Based online crime Reporting System	H04L0029080000	4/2/2021	Published
	4	Dr. M. L. Bangare	Integrating the blockchain Tecfhnology into an mobile health system	H04L0029080000	7/30/2021	Published
	5	Dr.Nitin P Sherje	An Airoplane design structure without vertical stabilizer	202021052142	11/30/2020	Filled
	6	Mr.Pushkraj S.Ruikar	DPAR-Finishing device:design an predictive analysis ropeless finishing device	202021037356A	8/31/2020	Published
	7	Mr.Ajaj R.Attar	CLSC-Parabolic tracking mechanism : Convex lense solar concentrator with parabolic tracking mechanism	202021042890	10/2/2020	Published



	8	Mr.Ajaj R.Attar	A wireless controlled wall climbing robot	202121004120	1/30/2021	Filled
	9	Mr.Ajaj R.Attar	Passive solar tracking system	202121011862	3/19/2021	Published
	10	Mr.Ajaj R.Attar	Power Screw based solar tracking system for parabolic threw collector	2021100605	3/31/2021	Filled
	11	Mrs Rupali Sagar Sewane	Implementaion of dynamics road infrastructure as per run time requirement	202021030039	7/15/2020	
2019-20	1	Mrs.R.S.Kothe	IVA-ATM: Intelligent Video Analytics ATM	201941052936	12/27/2019	Filled
	2	Mrs. S.S.Bhosale	VC Detection: Vehicle Crash Detection Using Machine Learning	201941050999	12/20/2019	Filled
	3	Mr. R. S. Apare	System and method Implementing Adaptive Dragonfly optimization for Privacy Preservation in Internet of Things (IOT)	201821029029	2/7/2020	Published
	4	Mr.Ajaj R.Attar	A Halbach array attachment	202021008344	2/27/2020	FER Issued
	5	Dr.Nitin P Sherje	Intelligent engergy recycle system through ceiling fan	202041023191A	6/2/2020	Published
	6	Dr.Nitin P Sherje	Electronics currency note stabilizer machine	202041015343A	4/5/2020	Published
	7	Mr.Ajaj R.Attar	A vessel	201921037708	9/18/2019	Replied field
2018-19	1	Dr. Manoj Limchand Bangare	System For Detecting Vulnerability In A Ubiquitous Environment	201821035195	9/18/2018	Published
	2	Dr. Manoj Limchand Bangare	Method For Detecting Vulnerability In A Ubiquitous EnvironmentMethod For Detecting Vulnerability In A Ubiquitous Environment	GOVT 9/00 Pune-41.	10/26/2018	Published
	3	Mr. Nitin More	System and method for investigating enery efficient data structure system	201821021991	43315	Published

2017-18	1	Dr.S.S.Agrawal	System Design for Coarse Wavelength Division Multiplexing	201821005940 A	25-05-2018	Granted
	2	Mrs.Wrushali M. Mendre	Automated Decision Support System (DSS) for Thyroid Malignancy detection through USG	201721046249A	22-12-2017	Granted
	3	Mr.U. S. Jawarkar	Automatic Meter Reader with Theft/Accident Detection Alerts	201721029245A	18-08-2017	Granted
2016-17	1	Dr. P.N.Mahalle	Renewable Portable Battery Charger Using Wind Energy	201621005943	2/20/2016	Published
	2	Dr. P.N.Mahalle	An ecofriendly heating and cooling system with water distiller for cabine	201621004088A	5/27/2016	Published



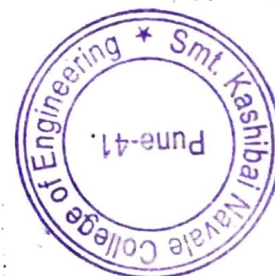


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Application Details

APPLICATION NUMBER	202121033745
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	27/07/2021
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TITLE OF INVENTION	E-AUTHENTICATION SYSTEM: USING A COMBINATION OF QR CODE AND OTP FOR ENHANCED SECURITY
FIELD OF INVENTION	COMPUTER SCIENCE
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E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	20/08/2021



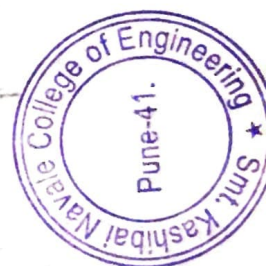
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Application Details	
APPLICATION NUMBER	202121033747
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	27/07/2021
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TITLE OF INVENTION	ANDROID BATTERY SAVER SYSTEM: AN ALARM TELLING THE USER TO FORCE STOP OR CLOSE THE APPS THAT ARE DRAWING POWER USING AI- BASED PROGRAMMING.
FIELD OF INVENTION	COMMUNICATION
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E-MAIL (UPDATED OnLine)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	20/08/2021



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Application Details

APPLICATION NUMBER 202121053264

APPLICATION TYPE ORDINARY APPLICATION

DATE OF FILING 19/11/2021

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6. Dr. Kuldeep Baban Vayadande
7. Mr. Rahul Bhaurao Diwate
8. Mr. Nikhil Dhavase
9. Dr. Vinod V. Kimbahune
10. Dr. Pathan Mohd. Shafi

TITLE OF INVENTION USE OF THE INTERNET OF THINGS IN CONNECTED PASSENGER CAR

FIELD OF INVENTION COMMUNICATION

E-MAIL (As Per Record)

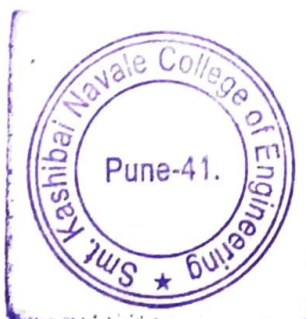
ADDITIONAL-EMAIL (As Per Record)

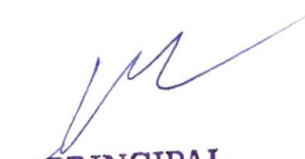
E-MAIL (UPDATED Online)

PRIORITY DATE

REQUEST FOR EXAMINATION DATE --

PUBLICATION DATE (U/S 11A) 03/12/2021




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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202021010474 A

(19) INDIA

(22) Date of filing of Application :11/03/2020

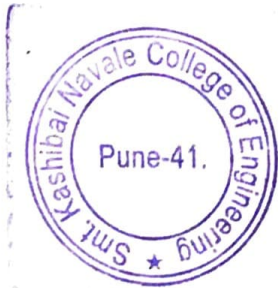
(43) Publication Date : 06/11/2020

(54) Title of the invention : A SYSTEM AND METHOD COMPRISING ECC-BASED HETNET NODE AUTHENTICATION PROTOCOL

(51) International classification	:H04L0029060000, H04W0012060000, H04N0021633400, H04L0029140000, H04W0084120000	(71)Name of Applicant : 1)PURUSHOTTAM GANGADAS CHILVERI Address of Applicant :B-802 MAJESTIC TOWERS,NEAR BABAR DAIRY NEXT TO LAKE TOWN RAJAS SOC KATRAJ 411046, MAHARASHTRA, INDIA Maharashtra India 2)MANOJ SHRIKRUSHNA NAGMODE
(31) Priority Document No	:NA	(72)Name of Inventor : 1)PURUSHOTTAM GANGADAS CHILVERI 2)MANOJ SHRIKRUSHNA NAGMODE
(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 :
A system comprising ECC-based HETNET node authentication protocol for authentication / authorisation, of a user, before transmission of a message, from said user, between nodes, said system comprising: at least a first (Authentication) server and at least a communicably coupled second (Master) server, said at least a second (Master) server configured to execute the following steps: transmitting, in a first step, details for authentication to said first (authentication) server; receiving, in a second step, verification reply from said first (Authentication) server; and validating, in a third step, credentials of said user, upon receipt of said verification reply from said second step in order to obtain evaluated messages; said at least a first (Authentication) server configured to execute the following steps: verifying, in a first interim step, credentials of said user; and transmitting, in a second interim step, said verification reply to said second (Master) server.

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



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Patent Search

Invention Title	A TICKETING AND TRACKING SYSTEM FOR DISTANCE BASED FARE CALCULATION DURING TRANSPORTATION		
Publication Number	36/2020		
Publication Date	04/09/2020		
Publication Type	INA		
Application Number	202021033975		
Application Filing Date	07/08/2020		
Priority Number			
Priority Country			
Priority Date			
Field Of Invention	ELECTRONICS		
Classification (IPC)	G07C0009000000, G06Q0020400000, G06Q0020320000, H04W0012060000, G16H0040200000		
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KHODASKAR, Anuja Arun	56, Shankar Nagar, Raja Peth, Amravati - 444606, Maharashtra, India.	India	Indi
Abstract:			

Abstract:

The present disclosure relates to a transport ticketing and tracking system (100). The system (100) includes multiple devices (102-1 to 102-4) positioned at various location: operatively coupled to each other and with a processing unit (104). The devices (102) facilitate capturing images of entities at the location using a camera (202). The device further facilitate scanning of UIDs including digital card, and fingerprint of entities (110), using a scanning unit 204 including fingerprint reader and card reader, to authenticate registered entities (110), and identify and restrict unregistered entities, and further keep a track of a source (first) location and a destination (second) location of the entity during their journey. The processing unit (104) determines a distance travelled by the entities (110) based on the first location and the second location, when the registered entities (110) scan their UIDs at the corresponding first and second locations. The system (100) correspondingly transmits a ticket to the entities (110) for the distance travelled.

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Complete Specification

Claims:1. A ticketing system comprising:
 one or more devices (102) positioned at least at two locations, wherein each of the one or more devices (102) are operatively coupled to each other, and comprises:
 an image acquisition unit (202) to capture one or more images associated with the corresponding locations; and
 a scanning unit (204) configured to scan one or more unique identifiers associated with one or more registered entities (110); and
 a processing unit (104) operatively coupled to the one or more devices (102), the processing unit (104) comprising one or more processors (302) coupled with a memory (304), the memory (304) storing instructions executable by the one or more processors (302), and configured to:
 extract facial attributes from the one or more captured images associated with the corresponding locations, and compare the extracted facial attributes with a first data:
 comprising facial attributes, associated with the one or more registered entities (110) to identify the one or more registered entities (110) at the at least two locations;
 determine a first location of the one or more identified registered entities (110) based on a first scanning of the respective unique identifiers, by the scanning unit of at least one of the one or more devices (102) corresponding to the first location;
 determine a second location of the one or more identified registered entities (110) based on a second scanning of the respective unique identifiers, by the scanning unit (204) of at least one of the one or more devices (102) corresponding to the second location, wherein the first location and the second location are amongst the at least two locations; and
 calculate a distance travelled by the one or more identified registered entities (110) based on the determined first location, and the second location, and correspondingly generate a first set of signals

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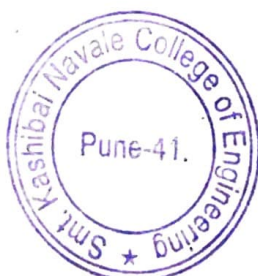
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Patent Search

Publication Title	CLOUD BASED ONLINE CRIME REPORTING SYSTEM
Publication Number	14/2021
Publication Date	02/04/2021
Publication Type	INA
Publication Number	202141013029
Publication Filing Date	25/03/2021
Priority Number	
Priority Country	
Priority Date	
Kind Of Invention	COMMUNICATION
Classification (IPC)	H04L0029080000, G06Q0050260000, H04L0012240000, H04L0029060000, G06F0009500000
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Abstract:

The possibility of this invention is to analyze the site named Cop On Cloud, a site created utilizing AWS cloud administrations. The current framework in police headquarters of nation is obsolete. There is a ton of desk work and furthermore a great deal of time is squandered in keeping up old records. This is a cutting-edge time and more PC innovations should be utilized in police headquarters to lessen paper work and at last save the time which is spent in keeping up old records and subtleties. Distributed computing has arisen as the new registering stage Cloud workers offer us blasting quick speeds. This site encourages general society to report about the wrongdoings to the police with no dread in right time. By this site public can likewise report for missing things and can advise police if have data identified with needed individual and a lot more highlights. An online wrongdoing detailing framework is extremely helpful as the arrangement is naturally distributive.

Complete Specification

The following specification particularly describes the invention and the manner in which it is to be performed.

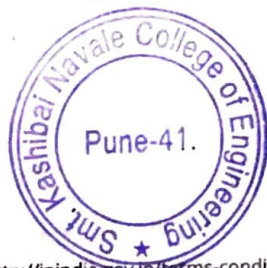
TECHNICAL FIELD

This invention titled "CLOUD BASED ONLINE CRIME REPORTING SYSTEM" is a web based application which manages and control the information transportation with respect to a particular location.

BACKGROUND

This framework is intended for specific need to complete tasks in a smooth and successful way. The application is diminished to stay away from any mistake while entering information. What's more, it gives mistake messages while invalid information is entered by client. No proper information is required for the client to utilize this framework and subsequently it demonstrates it is easy to understand. A cloud based wrongdoing detailing framework can prompt blunder free, secure, solid, recoverable and quick administration framework and it can assist the client with focusing on different exercises instead of to squander energy on the record keeping. The reason for the invention is to robotize the current manual framework with the assistance of modernized supplies and to satisfy the prerequisites so the information can be put away for significant stretch with simple getting to and control. Customarily a site is facilitated on a solitary worker in a solitary server farm. Regardless of whether it is a worker that is facilitating various records, or an individual machine for example devoted to only facilitating your site alone the general rule is the equivalent. Anyway cloud facilitating is somewhat extraordinary. Rather than having the entirety of the records on a solitary worker, cloud facilitating spreads the information across various machines, various workers and in better places that are totally associated together straightforwardly. You deal with your records through a "virtual machine" that gets to all the various machines and workers across the "cloud". The facilitating worker just exists in a virtual climate subsequently the name "Cloud".

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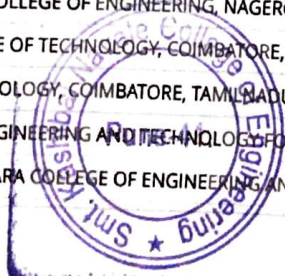
Page last updated on: 26/06/20

Patent Search

Publication Title	INTEGRATING THE BLOCKCHAIN TECHNOLOGY INTO AN MOBILE-HEALTH SYSTEM
Publication Number	31/2021
Publication Date	30/07/2021
Publication Type	INA
Publication Number	202111020602
Publication Filing Date	06/05/2021
Priority Number	
Priority Country	
Priority Date	
Kind Of Invention	COMMUNICATION
Classification (IPC)	H04L0029080000, G01W0001020000, B60S0001080000, H04L0012240000, G01D0021020000
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Abstract of the present disclosure relate to system (100) and method (200) for weather monitoring and reporting using the fuzzy logic and IoT. The system (100) comprises of sensors namely a temperature sensor (102) for sensing the temperature, a humidity sensor (104) for measuring the water content in the air, a rain sensor (106) for detecting the rain, a node microcontroller unit (MCU) (108) and an IoT platform (110). The node microcontroller (108) is the brain of the system (100), it collects and sends the data to the IoT platform (110) for analysis and visualization. The present disclosure also discloses a method (200) for monitoring and reporting using the fuzzy logic. In this method (200) the data collected by the sensors is initially fuzzified. After the fuzzification (206) the data, inference based rules are applied (208) on the fuzzified values. Finally, the result is defuzzified (210) so that it can be displayed using the various visualization tools on the IoT platform (110).

Complete Specification

TECHNICAL FIELD

[0001] The present disclosure relates to weather analysis and in particular to analysis of IoT based weather monitoring and reporting system using fuzzy logic.

BACKGROUND

[0002] Background description includes information that may be useful in understanding the present invention. It is not an admission that any of the information provided herein is prior art or relevant to the presently claimed invention, or that any publication specifically or implicitly referenced is prior art.

[0003] These days, we see that weather monitoring plays an important role in an atmosphere that gives us the information and knowledge about the weather in our surrounding environment. Typically, the weather stations are located either on the sea with a tool and appliances for estimating the environmental conditions, which gives knowledge and information about various environmental parameters such as temperature, humidity, rain, pressure, and so on. With technological advancement, the detection of weather condition is becoming easier day by day.

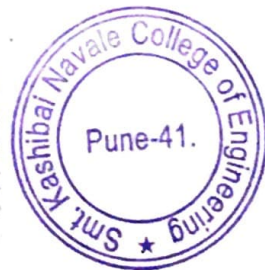
[0004] Nowadays, with sensors and actuators becoming cheap and readily available, weather analysis and monitoring can be done by anyone. Internet of Things is tangible technology that is used at the various data centres. IoT is capable of connecting the whole world to a particular place. As per the latest estimates that 50 billion physical objects or sensors will be connected in IoT by the year 2022. Examples of IoT devices are smart homes, smart health and so on. IoT not only enables the human-to-human interaction but it also facilitates the human-physical device communication.

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Page last updated on: 26/06/20



[Signature]
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Application Details

APPLICATION NUMBER 202021052142
APPLICATION TYPE ORDINARY APPLICATION
DATE OF FILING 30/11/2020
APPLICANT NAME
1 . Abhishek S. Pawar
2 . Atharva Mahajan
3 . Vrushal Modake
4 . Ashish Dharme
TITLE OF INVENTION AN AIRPLANE DESIGN STUCTURE WITHOUT VERTICAL STABILIZER
FIELD OF INVENTION MECHANICAL ENGINEERING
E-MAIL (As Per Record) patent.trademark1@gmail.com
ADDITIONAL-EMAIL (As Per Record) patent.tradmark@gmail.com
E-MAIL (UPDATED Online)
PRIORITY DATE
REQUEST FOR EXAMINATION DATE --
PUBLICATION DATE (U/S 11A) 01/01/2021


Application Status

APPLICATION STATUS

Awaiting Request for Examination

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Australian Government

IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021100220

The Commissioner of Patents has granted the above patent on 24 March 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

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Atharva Mahajan of Prabhavshri, behind S.T., Depot near Narmada park Mangalwedha-413305 India

Vrushal Modake of S/O Prakash Modake, Zadipura Suriji Anjangaon Surji-444705 India

Ashish Dharme of Ashish Dharme, 302, TANISHQ, Swaroop Colony, Sonamata Mandir, Behind Santosh Hall, Sinhgad Road Pune-411051 India

Nitin P. Sherje of D3/501, Sunder Samruddhi, Near Kailas Jivan factory Dhayari, Pune-411041 India

Title of invention:

AN AIRPLANE DESIGN STUCTURE WITHOUT VERTICAL STABILIZER

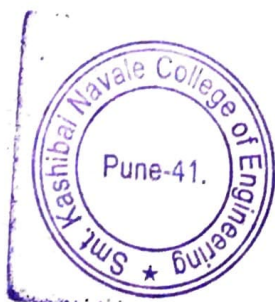
Name of inventor(s):

Pawar, Abhishek S.; Mahajan, Atharva; Modake, Vrushal; Dharme, Ashish and Sherje, Nitin P.

Term of Patent:

Eight years from 14 January 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.



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Dated this 24th day of March 2021

Commissioner of Patents

PATENTS ACT 1990

The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right

D. NO. 8161

HDI 838/24 20204052142

FORM 1

THE PATENTS ACT 1970
(39 of 1970)

&

The Patents rules, 2003

APPLICATION FOR GRANT OF PATENT

[See section 7, 54 & 135 and rule 20 (1)]

(FOR OFFICE USE ONLY)

Application No:

Filing Date:

Amount of Fee Paid:

CBR No:

Signature:



200298915

1. APPLICANT'S REFERENCE / IDENTIFICATION
NO. (AS ALLOTTED BY OFFICE)

2. TYPE OF APPLICATION [Please tick (✓) at the appropriate category]

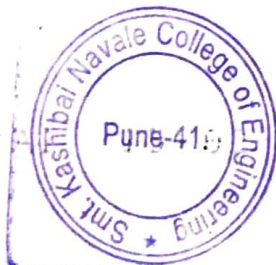
Ordinary (✓)		Convention ()		PCT-NP ()	
Divisional ()	Patent of Addition ()	Divisional ()	Patent of Addition ()	Divisional ()	Patent of Addition ()

3. (3A) APPLICANT

Name	Nationality	Country of Residence	Address
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2. Atharva Mahajan	IN	IN	Prabhavshri, behind S.T. Depot near Narmada park, Mangalwedha-413305
3. Vrushal Modake	IN	IN	S/O Prakash Modake, Zadipura Suriji, Anjangaon Surji-444705
4. Ashish Dharme	IN	IN	Ashish Dharme, 302, TANISHQ, Swaroop Colony, Sonamata Mandir, Behind Santosh Hall, Sinhgad Road, Pune-411051
5 Dr. Nitin P. Sherje	IN	IN	D3/501, Sunder Samruddhi, Near Kailas Jivan factory, Dhayari, Pune-411041

3B. CATEGORY OF APPLICANT [Please tick (✓) at the appropriate category]

Natural Person (✓)	Other than Natural Person		
	Small Entity ()	Start up ()	Others ()



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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

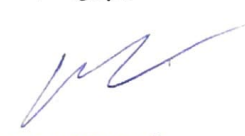
- (3) If an application under section 128 for relief relates to threats made in respect of a certified innovation patent, the court may grant the applicant the relief applied for unless the respondent satisfies the court that the acts about which the threats were made infringed, or would infringe, a 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 paragraph 101E(e) in respect of the patent




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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

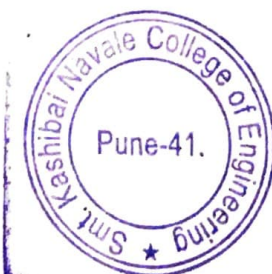
- (2) If an application under section 128 for relief relates to threats made in respect of an innovation patent that has not been certified or an application for an innovation patent, the court may grant the application the relief applied for.

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 paragraph 101E(e) in respect of the patent



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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :31/08/2020

(21) Application No.202021037356 A

(43) Publication Date : 11/09/2020

(54) Title of the invention : DPAR- FISHING DEVICE: DESIGN AND PREDICTIVE ANALYSIS ROPELESS FISHING DEVICE

(51) International classification :G06Q0010040000,
A01K0079000000,
G06F0017180000,
G01W0001100000,
G06Q0010100000

(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)PRIYANKA PRAKASH PANDHARPATTE

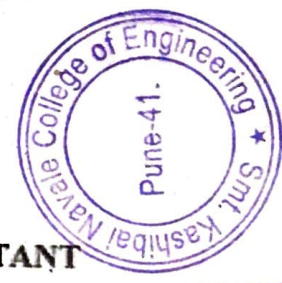
(STUDENT(SKNCOE,PUNE-41))

3)PROF. BHAGYASHRI HIRALAL DHAGE (ASSISTANT
PROFESSOR (SKNCOE,PUNE-41))

(57) Abstract :

DPAR- FISHING DEVICE: DESIGN AND PREDICTIVE ANALYSIS ROPELESS FISHING DEVICE ABSTRACT
Mi invention DPAR- FISHING DEVICE Values obtained from physical quantities estimated from satellite image data are inputted into a predetermined calculation formula in order to calculate predictive catches of one or more kinds of fish, and a prediction chart of fish distribution is made for each kind of fish using the predictive fish catches. The calculation formula storage unit stores information on a calculation formula for calculating a predicted catch from a variable of sea surface temperature and a variable of spatial variation of sea surface temperature. The calculation unit calculates the predicted catch by the above formula using the sea surface temperature estimated from the satellite image data of the satellite and the value of the spatial variation of the sea surface temperature. Fishing gears are made up of materials like plastic which are generally non bio-degradable and may sink to sea floor or drift around in currents. It remains un-noticed and shows up in coral reefs, beaches and other habitats. It damages the soft tissues and fragile skeleton of coral reefs. The prediction result storage unit stores the calculated estimated catch, the creation unit creates a fish distribution forecast map using the estimated catch amount, and the display unit displays the created fish distribution forecast map on the screen. The calculation formula storage unit includes a variable of sea surface temperature and a variable of spatial variation of sea surface

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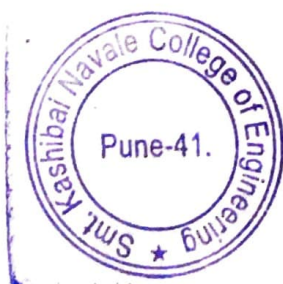
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GEOGRAPHICAL INDICATIONS

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Application Details

APPLICATION NUMBER	202021042890
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	02/10/2020
APPLICANT NAME	1 . Mr. AJAJ R. ATTAR 2 . Mr. M ARULPRAKASAJOTHI 3 . Mr. SHUBHAM KESHAV JADHAV 4 . Ms. SAYALI GANPAT JADHAV 5 . Mr. JAGIRDAR MAHEFUZUR RAHEMAN SAYED ABDUL MAJEED 6 . Mr. RAHUL SAMPAT JADHAV
TITLE OF INVENTION	CLSC- PARABOLIC TRACKING MECHANISM: CONVEX LENS SOLAR CONCENTRATOR WITH PARABOLIC TRACKING MECHANISM
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	dr.bksarkar2003@yahoo.in
ADDITIONAL-EMAIL (As Per Record)	dr.bksarkar2003@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	30/10/2020

Application Status



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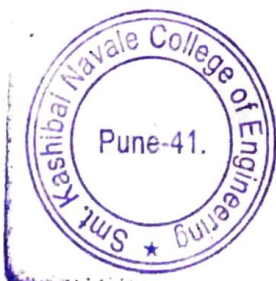
Application Details

APPLICATION NUMBER	202121004120
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	30/01/2021
APPLICANT NAME	1 . Vikas Vasantryao Ugle 2 . Prathamesh Kiran Bhamare 3 . Chetan Vijay Mali 4 . Balaji Shamrao Andhare 5 . Shubham Anil Khindre 6 . Ajaj Rashid Attar
TITLE OF INVENTION	A WIRELESS CONTROLLED WALL CLIMBING ROBOT
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	patent.trademark1@gmail.com
ADDITIONAL-EMAIL (As Per Record)	patent.trademark@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	12/02/2021

Application Status

APPLICATION STATUS

Awaiting Request for Examination



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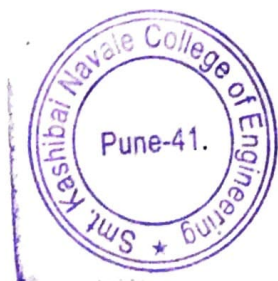
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Application Details

APPLICATION NUMBER	202121011862
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	19/03/2021
APPLICANT NAME	1 . Ajaj Rashid Attar 2 . Sarvesh Shivkumar Dontiwar 3 . Aniruddha Lalitkumar Devanhalli 4 . Ankit Shradhanand Hepat 5 . Akash Dilip Ghumare 6 . Akash Anil Auti 7 . Shiwanjali Vishwas Kashid
TITLE OF INVENTION	PASSIVE SOLAR TRACKING SYSTEM
FIELD OF INVENTION	PHYSICS
E-MAIL (As Per Record)	senanipindia@gmail.com
ADDITIONAL-EMAIL (As Per Record)	admin@senanip.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	26/03/2021

Application Status



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Australian Government

IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021100605

The Commissioner of Patents has granted the above patent on 31 March 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

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Title of invention:

POWER SCREW BASED SOLAR TRACKING SYSTEM FOR PARABOLIC TROUGH COLLECTOR

Name of inventor(s):

Attar, Ajaj Rashid; Patil, Sourabh Anil; Utpat, Shardul Rahul; Naidu, Mithul Jairaj; Thakar, Sanskruti Upendra; Firame, Ghansham Balkrishna; Ugle, Vikas Vasantrao; Nimgade, Munesh Eknath; Tamboli, Mohasin Badashaha and Teli, Satish Balaso

Term of Patent:

Eight years from 31 January 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.

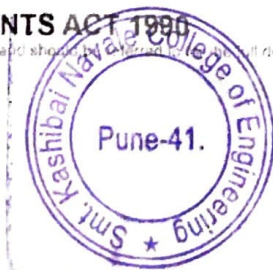


Dated this 31st day of March 2021

Commissioner of Patents

PATENTS ACT 1990

The Australian Patents Register is the official record and should be referred to for full details pertaining to this IP Right



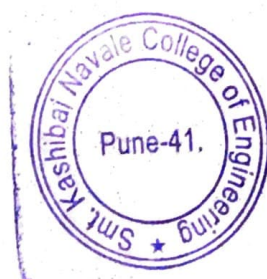
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Statement & Undertaking under Section 8

Application Number: 202021030039
 Date of Filing: 15/07/2020 12:39:46
 Type Of Applicant: NP
 Title Of Invention: IMPLEMENTATION OF DYNAMIC ROAD INFRASTRUCTURE AS PER RUN TIME REQUIREMENT
 Address Of Service: FLAT NO 402, OSHAN WAVES, WARJE, PUNE - 411058, MH, INDIA. E-mail: ganeshp2103@gmail.com
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Application Details

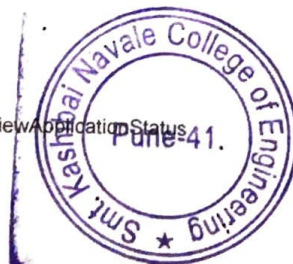
APPLICATION NUMBER 201941052936
APPLICATION TYPE ORDINARY APPLICATION
DATE OF FILING 19/12/2019
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3 . PROF. DR. BEG RAJ
4 . MR. PAWAN KUMAR SINGH
5 . MISS. PARI NIDHI SINGH
6 . PROF. DR. REENA SINGH
TITLE OF INVENTION IVA-ATM: INTELLIGENT VIDEO ANALYTICS ATM
FIELD OF INVENTION ELECTRONICS
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ADDITIONAL-EMAIL (As Per Record) dr.bksarkar2003@yahoo.in
E-MAIL (UPDATED Online)
PRIORITY DATE NA
REQUEST FOR EXAMINATION DATE --
PUBLICATION DATE (U/S 11A) 27/12/2019

Application Status

APPLICATION STATUS

Application Published

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Application Details

APPLICATION NUMBER	201941050999
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	10/12/2019
APPLICANT NAME	1 . M NAGABHUSHANA RAO (PROFESSOR) 2 . DR. PUTTI SRINIVASARAO 3 . G.R.RAMA DEVI 4 . SONALI SHAILESH BHOSALE 5 . DR. AMIT KUMAR TYAGI 6 . GILLALA REKHA
TITLE OF INVENTION	VC-DETECTION: VEHICLE CRASH DETECTION USING MACHINE LEARNING
FIELD OF INVENTION	COMPUTER SCIENCE
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PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	20/12/2019

Application Status

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Patent Search

Invention Title VC-DETECTION: VEHICLE CRASH DETECTION USING MACHINE LEARNING
 Publication Number 51/2019
 Publication Date 20/12/2019
 Publication Type INA
 Application Number 201941050999
 Application Filing Date 10/12/2019
 Priority Number
 Priority Country
 Priority Date
 Field Of Invention COMPUTER SCIENCE
 Classification (IPC) G06N0020000000,G08B0025010000,G08G0001000000,B60R0021013200,G07C0005000000

Inventor

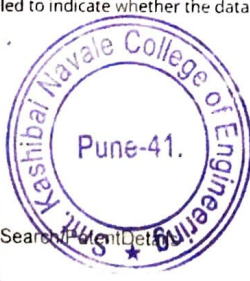
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Abstract:

VC-Detection: VEHICLE CRASH DETECTION USING MACHINE LEARNING ABSTRACT My invention "VC-Detection" Vehicle collisions may be intelligent detected and reported to a call center. The collisions may be automatically detected through machine learning based on a collision detection model that receives sensor data, or other machine provided data, as input, and outputs an indication of whether there is a collision. The collision detection model may be trained on historical sensor data associated with vehicle collisions, where the historical sensor data is labeled to indicate whether the data corresponds to an actual collision.



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Complete Specification

Claims: WE CLAIMS

1. My invention "VC-Detection" Vehicle collisions may be intelligent detected and reported based to a call center. The collisions may be automatically detected through machine learning based on a collision detection model that receives sensor data, or other machine learning provided data, as input, and outputs an indication of whether there is a collision. The collision detection model may be trained on historical sensor data associated with potential vehicle collisions, where the historical sensor data is labeled to indicate whether the data corresponds to an actual collision. What is claimed is: A device comprising: an accelerometer to measure acceleration of the device and processing circuitry to: calculate, based on the measured acceleration of the device, an acceleration magnitude value, compare the acceleration magnitude value to a threshold, determine, when the comparison indicates that the acceleration magnitude value satisfies the threshold, at least one feature based on a plurality of acceleration magnitude values, the at least one feature including an N-point pre max sum calculated as a sum of a plurality of acceleration magnitude values corresponding to acceleration magnitude values centered around an acceleration magnitude value that occurs before the acceleration magnitude value that satisfied the threshold, evaluate, when the comparison indicates that the acceleration magnitude value satisfies the threshold, a collision detection model based on the determined at least one feature, the evaluation of the collision detection model indicating whether the device is involved in a vehicle collision, and alert an emergency call center when the evaluation of the collision detection model indicates that the device is involved in the vehicle collision.
2. According to Claim 1# The Invention is to wherein the determination of the at least one feature includes determining a plurality of features that are additionally determined based on one or more of: data received from an On-Board Diagnostics (OBD) port of a vehicle, or sensor data relating to a gyroscope, a barometer, a compass, or a speedometer.

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Patent Search

Invention Title	SYSTEM AND METHOD IMPLEMENTING ADAPTIVE DRAGONFLY OPTIMIZATION FOR PRIVACY PRESERVATION IN INTERNET OF THINGS (IOT)
Publication Number	06/2020
Publication Date	07/02/2020
Publication Type	INA
Application Number	201821029029
Application Filing Date	02/08/2018
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	COMMUNICATION
Classification (IPC)	H04L0029060000,H04L0029080000,H04W0004700000,H04L0009080000,H04L0009300000
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APARE, Ulka Ravindra	Flat No 101, Ganesh Nakshatram, Near DSK Vishwa, Opp Serenity, Dhayari, Pune 411041, Maharashtra, India.	India	Indian
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APARE, Ulka Ravindra	Flat No 101, Ganesh Nakshatram, Near DSK Vishwa, Opp Serenity, Dhayari, Pune 411041, Maharashtra, India.	India	Indian

Abstract:

The present disclosure relates to internet of things (IOT), more particularly, the present disclosure relates to a system and method for privacy preservation of data packets through Internet of Things (IOT). The method can include the steps of: a first computing device can receive (902) a stream of data packets; a first processor of the first computing device can extract (904) sensitive data to be preserved from the stream, based on a pre-determined criteria; the first processor can encrypt (906) the extracted sensitive data using an encryption key that is generated at the first processor using a first dragonfly algorithm (DA) so as to obtain an encrypted sanitized data, wherein said encrypted sanitized data comprises the encryption key in binary form; and the first computing device can transmit (908) said encrypted sanitized data to a second computing device selected from the IoT devices.

Complete Specification

Claims:

1. A method for privacy preservation of data packets flowing through Internet of Things (IoT) devices, said method comprising: receiving (902), at a first computing device, a stream of data packets; extracting (904), using a first processor of the first computing device, based on a pre-determined criteria, sensitive data to be preserved from the stream; encrypting (906), using the first processor, the extracted sensitive data using an encryption key that is generated at the first processor using a first dragonfly algorithm (DA) so as to obtain an encrypted sanitized data, wherein said encrypted sanitized data comprises the encryption key in binary form; and transmitting (908), by the first computing device, said encrypted sanitized data to a second computing device selected from the IoT devices.
2. The method as claimed in claim 1, further comprising converting (952), at the first processor, the encryption key into the binary form, wherein length of the converted binary form of the encryption key is equal to length of the encryption key.
3. The method as claimed in claim 2, wherein the encryption key is converted into binary form by: partitioning (954) the encryption key into one or more subsets, each of said one or more subsets having a plurality of elements; transforming (956) each of said plurality of elements into a plurality of binary bits to obtain a partitioned set of binary bits; and concatenating (958) said obtained partitioned set of binary bits to generate the encryption key into binary form.
4. The method as claimed in claim 3, wherein the encrypted sanitized data is obtained by multiplying the encryption key in binary form with the extracted sensitive data.
5. The method as claimed in claim 1, wherein the method further comprising:



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Application Details

APPLICATION NUMBER	202021008344
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	27/02/2020
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TITLE OF INVENTION	A HALBACH ARRAY ATTACHMENT
FIELD OF INVENTION	ELECTRICAL
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E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	25/03/2020
PUBLICATION DATE (U/S 11A)	03/09/2021

Application Status

APPLICATION STATUS

FER Issued, Reply not Filed



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पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

The Patent Office Journal No. 24 2020 Dated 12/06/2020

21886

(12) PATENT APPLICATION PUBLICATION
(19) INDIA

(21) Application No 202041023191 A

(22) Date of filing of Application : 02/06/2020

(43) Publication Date : 12/06/2020

(54) Title of the invention : INTELLIGENT ENERGY RECYCLE SYSTEM THROUGH CEILING FAN

(51) International classification

G06Q
50/00

(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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(57) Abstract :

Nowadays there is a situation in which electrical consumption plays a major role in everyone's day-to-day life. Hence steps must be taken to handle this situation, which may be either minimizing the power consumption or finding new sources to generate power. But in present situation, it is very difficult to reduce the consumption of power. Thus the only way is to recycle power from new sources. In this invention, we have proposed one way to recycle the power that can be used as some alternative energy sources for your home or for your community.

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



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The Patent Office Journal No. 24 2020 Dated 12/06/2020

21990

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application : 05/04/2020

(21) Application No. 202041015043 A

(43) Publication Date : 22/05/2020

(54) Title of the invention : ELECTRONIC CURRENCY NOTE STERILIZER MACHINE

(51) International Classification : G07D0011400000, B42D0025290000, G07D0011200000, E05B0065100000, G07D0011500000

(31) Priority Document : NA

(32) Priority Date : NA

(33) Name of priority country : NA

(86) International Application : NA

(87) International Publication : NA

(61) Patent of Addition to Application Number : NA

(62) Divisional to Application Number : NA

(63) Patent of Addition to Application Number : NA

(64) Patent of Addition to Application Number : NA

(65) Patent of Addition to Application Number : NA

(66) Patent of Addition to Application Number : NA

(67) Patent of Addition to Application Number : NA

(68) Patent of Addition to Application Number : NA

(69) Patent of Addition to Application Number : NA

(70) Patent of Addition to Application Number : NA

(71) Patent of Addition to Application Number : NA

(72) Patent of Addition to Application Number : NA

(73) Patent of Addition to Application Number : NA

(74) Patent of Addition to Application Number : NA

(75) Patent of Addition to Application Number : NA

(76) Patent of Addition to Application Number : NA

(77) Patent of Addition to Application Number : NA

(78) Patent of Addition to Application Number : NA

(79) Patent of Addition to Application Number : NA

(80) Patent of Addition to Application Number : NA

(81) Patent of Addition to Application Number : NA

(82) Patent of Addition to Application Number : NA

(83) Patent of Addition to Application Number : NA

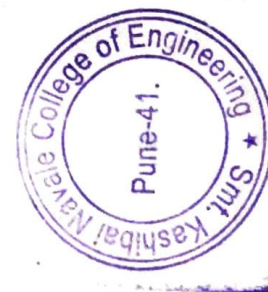
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(57) Abstract :
Currency notes play a vital role in the world starting from micro business to daily needs of people across the world. As per the statistical reports given by Reserve bank of India, 21.1 trillion currency notes are in circulation among the people in 2019 financial year which is 17% higher than the previous years. The rapid spread of the corona virus infectivity has raised concerns over surface-to-humans transmissions, including through currency notes. This increases the panic level of spread of micro-organisms through the currency notes circulation which leads to the spread of diseases like COVID-19. The currency note may act as the carrier of these dreadful diseases which needs engineering solution to avoid this problem.

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



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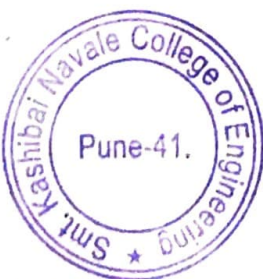
Application Details

APPLICATION NUMBER	201921037708
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	18/09/2019
APPLICANT NAME	AJAJ RASHID ATTAR
TITLE OF INVENTION	A VESSEL
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	shaikh.saad.j@gmail.com
ADDITIONAL-EMAIL (As Per Record)	shaikh.saad@outlook.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	18/09/2019
PUBLICATION DATE (U/S 11A)	19/03/2021
REPLY TO FER DATE	10/12/2021

Application Status

APPLICATION STATUS

Reply Filed. Application in amended examination



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22-12-2021, 08:34 pm



Controller General of Patents, Designs & Trade Marks



सत्यमेव जयते

G.A.R.6
[See Rule 22(1)]
RECEIPT



Docket No 49219

Date/Time 2019/09/18 22:41:54

To
Shaikh Saad Jawed

UserId: saadshaikh

Bldg. J, Flat no. 102, Ashoka Mews,
Kondhwa Khurd

CBR Detail:

Sr. No.	Ref. No./Application No.	App. Number	Amount Paid	C.B.R. No.	Form Name	Remarks
1	R20192029097	201921037708	4000	20399	FORM 18	
2	201921037708	TEMP/E-1/40003/2019-MUM	1600	20399	FORM 1	A VESSEL

TransactionID	Payment Mode	Challan Identification Number	Amount Paid	Head of A.C. No.
N-0000557487	Online Bank Transfer	1809190006427	5600.00	1475001020000001

Total Amount : ₹ 5600

Amount in Words: Rupees Five Thousand Six Hundred Only

Received from Shaikh Saad Jawed the sum of ₹ 5600 on account of Payment of fee for above mentioned Application/Forms.

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NAME: AJAJ RASHID ATTAR
NO. :

Sheets: 2
Current Sheet: 1

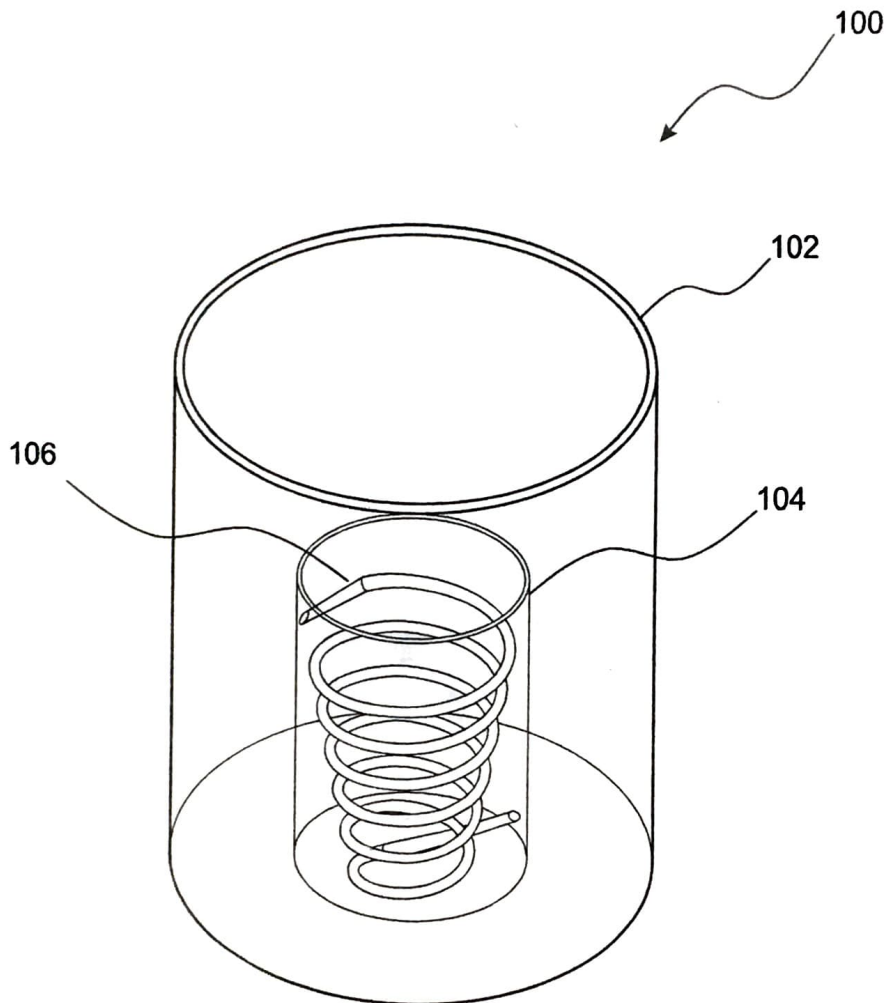


FIG. 1

AGENT FOR APPLICANT

Saad Shaikh (IN/PA/3775)



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NAME: AJAJ RASHID ATTAR
NO. :

Sheets: 2
Current Sheet: 2

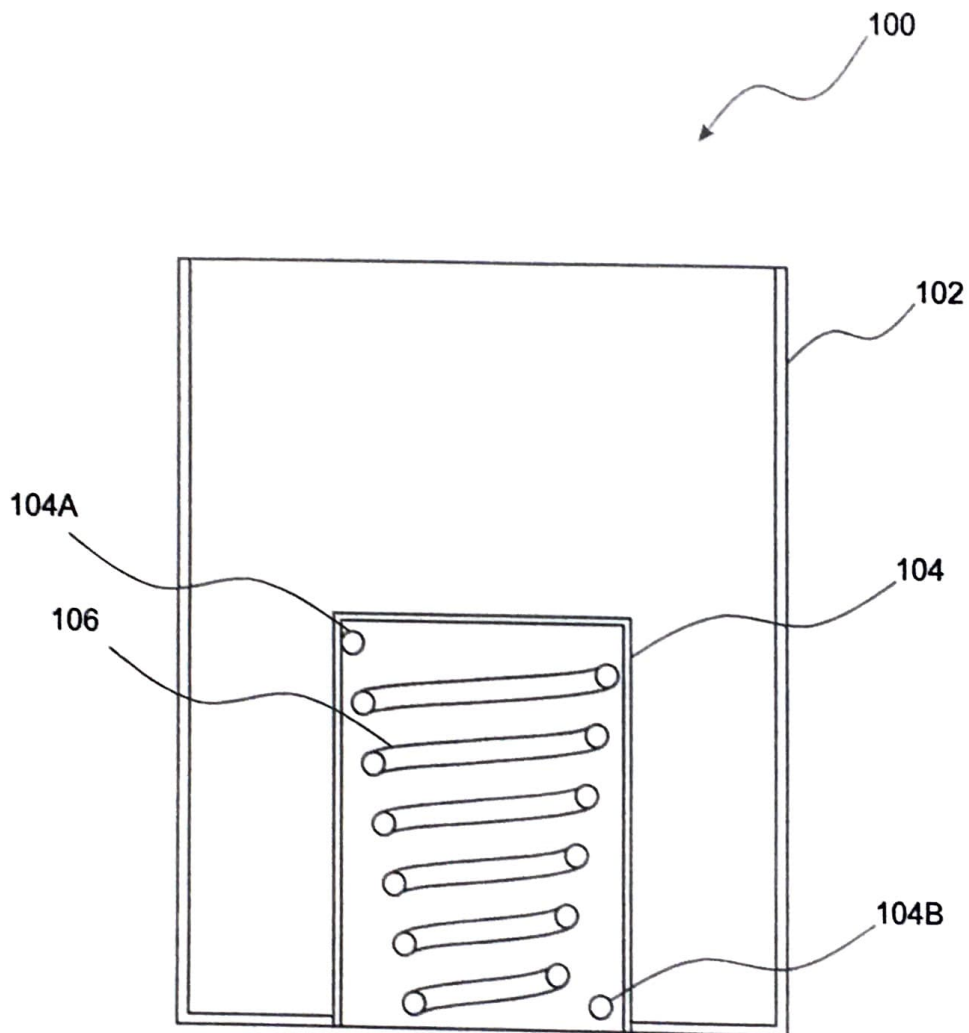


FIG. 2

AGENT FOR APPLICANT

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FORM 2
THE PATENTS ACT, 1970
(39 of 1970)

&

5

THE PATENTS RULES, 2003

COMPLETE SPECIFICATION

[See section 10 and rule 13]

1. TITLE OF THE DISCLOSURE:

A VESSEL

2. APPLICANT:

10

(a) Name


(b) Nationality

(c) Address

THE FOLLOWING SPECIFICATION PARTICULARLY DESCRIBES THE
DISCLOSURE AND THE MANNER IN WHICH IT IS TO BE PERFORMED.



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TECHNICAL FIELD

[0001] The present subject matter relates to the field of utensils. In particular, the present subject matter relates to a vessel designed to reduce time and fuel-usage required for heating a fluid medium.

5

BACKGROUND

[0002] More than two thirds of India's population resides in rural areas. Majority of these people rely on using hot water to bathe for maintaining their personal hygiene. Use of electrical water heaters and solar water heaters are available to those sections of the society who are financially well off. However, the more underprivileged sections of the society still rely on heating the water in vessels.

10

SUMMARY

[0003] This summary is provided to introduce a selection of concepts in a simplified form that are further described below in the detailed description. This summary is not intended to identify key features of essential features of the claimed subject matter, nor is it intended to be used to limit the scope of the claimed subject matter. Furthermore, the claimed subject matter is not limited to implementations that solve any or all disadvantages noted in any part of this disclosure.

15

[0004] The present subject matter envisages a vessel for heating a liquid. The vessel comprises a hollow vessel body. A protrusion is configured within an interior of the hollow vessel body, wherein the protrusion extends from a base of the hollow vessel body in an operative upward direction along a longitudinal axis of the hollow vessel body. The vessel further comprises a heating coil arranged within a space defined by the protrusion,

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wherein the heating coil is in fluid communication with the interior of the hollow vessel body.

[0005] In accordance with one embodiment, the heating coil has a hollow configuration.

5 **[0006]** In accordance with another embodiment, the operative ends of the heating coil are connected to the protrusion. More specifically, the operative ends of the heating coil are connected to the protrusion in a manner that the operative ends of the heating coil are open to the interior of the hollow vessel body, thereby facilitating fluid communication between
10 the heating coil and the interior of the hollow vessel body. In an embodiment, the operative ends of the heating coil are welded to the protrusion.

[0007] In accordance with yet another embodiment, the heating coil is configured to define a conical profile. More specifically, the conical profile
15 defines a first diameter at an operative top end of the heating coil, and a second diameter at an operative bottom end of the heating coil, wherein the first diameter is greater than the second diameter.

[0008] These and other features and advantages of the present subject matter will become more readily apparent from the attached drawings and
20 the detailed description of the preferred embodiments, which follow.

BRIEF DESCRIPTION OF DRAWING

[0009] The present subject matter is hereinafter described with reference to non-limiting accompanying drawing in which:

[0010] Fig. 1 illustrates a schematic isometric view of a vessel, in
25 accordance with an embodiment of the present disclosure.



[0011] Fig. 2 illustrates a sectional view of a vessel, in accordance with an embodiment of the present disclosure.


DETAILED DESCRIPTION

[0012] The present subject matter envisages a vessel. An advantageous aspect of the vessel, in accordance with an embodiment of the present subject matter, is that the vessel greatly reduces the time required to boil a liquid therein. In accordance with an embodiment of the present subject matter, the vessel utilizes the two separate convection zones for facilitating the quick heating of any liquid contained therewithin, whereas the conventional vessels only use a single convection zone for heating the liquid contained therewithin. More specifically, the conventional vessels utilize the inner surface of the vessel as the convection zone for heating the liquid contained therewithin; whereas the vessel, as envisaged in the present subject matter, utilizes the inner surface of the vessel in addition to a heating coil as convection zones, thereby providing the vessel two different convection zones for facilitating quick heating of the contained therewithin.

[0013] Reference is hereinafter directed to Fig. 1 and Fig. 2. A vessel 100 is illustrated in Figs. 1 and 2 for heating a liquid. In one exemplary application, the liquid to be heated may be water. In another exemplary embodiment, the liquid to be heated may be milk. The vessel 100 comprises a hollow vessel body 102. The hollow vessel body 102 of the vessel 100 may be made of any metallic material, e.g., steel, copper, aluminum, or brass.

[0014] The vessel 100 further comprises a protrusion 104. The protrusion 104 is an inner protrusion configured within an interior of the hollow vessel body 102. The protrusion 104 extends from a base of the hollow vessel

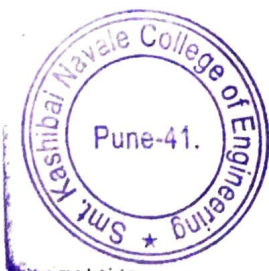




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body 102 in an operative upward direction along a longitudinal axis of the hollow vessel body 102. In accordance with one embodiment, the protrusion 104 is integral to the hollow vessel body 103. More specifically, the protrusion 104 and the hollow vessel body 102 may be made from a single metal sheet by performing a series of punching operations on the metal sheet. In another embodiment, the protrusion 104 may be a separate component which is welded on the base of the hollow vessel body 102.

[0015] The vessel 100 further comprises a heating coil 106 arranged within a space defined by the protrusion 104. The heating coil 106 is in fluid communication with the interior of the hollow vessel body 102. More specifically, the heating coil 106 has a hollow configuration, and the operative ends of the heating coil 106 are connected to the protrusion 104 in a manner that the operative ends of the heating coil 106 are open to the interior of the hollow vessel body 102, thereby facilitating fluid communication between the heating coil and the interior of the hollow vessel body. More specifically, at locations 104A and 104B on the protrusion 104, apertures are configured, and the operative ends of the heating coil 106 are connected to the locations 104A and 104B. Such a configuration of the heating coil 106 within the space defined by the protrusion 104 facilitates the fluid communication between the heating coil 106 and the interior of the hollow vessel body 102. In an embodiment, the operative ends of the heating coil are welded to the protrusion. In accordance with one embodiment, the heating coil 106 may be made of a metallic material, e.g., aluminum, steel, copper, and brass.

[0016] In accordance with yet another embodiment, the heating coil 106 is configured to define a conical profile. More specifically, the conical profile of the heating coil 106 defines a first diameter at an operative top end 106A of the heating coil 106, and a second diameter at an operative bottom end




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106B of the heating coil 106, wherein the first diameter is greater than the second diameter.

[0017] The operative configuration of the vessel 100 is described hereinafter. The liquid to be heated is contained within the hollow vessel body 102. When the liquid is filled in the hollow vessel body 102, the liquid enters the heating coil 106 from location 104B. The vessel 100 is of the type to be heated using either firewood, coal, or any other form of gaseous fuel, e.g., liquid petroleum gas and compressed natural gas. The vessel 100 is placed on the fire such that the flame of the fire comes in direct contact with the heating coil 106. This causes the heating of the liquid already present in the heating coil 106. The heating of this liquid causes a temperature rise in the liquid, thereby causing the heated liquid to rise upwards and exit the heating coil 106 at location 104A, thereby entering into the liquid contained in the interior of the hollow vessel body 102. It is to be noted that the liquid exiting from the heating coil 106 from the location 104B is of a higher temperature and forms a source of heat to heat the liquid apart from the flame that is present below the vessel 100. It is to be noted that the heating of the liquid within the heating coil 106 gives rise to a formation of a first convection zone within the heating coil 106. In some embodiments, the liquid exiting at the location 104B may be in the gaseous form of the particular liquid.

[0018] The second convection zone is the inner surface of the hollow vessel body 102 itself. The heat generated by the flames on which the vessel 100 is placed causes convection on the inner surface of the hollow vessel body 102, thereby generating a second convection zone defined by the inner surface of the hollow vessel body 102.

[0019] An advantageous aspect of the vessel 100, in accordance with an embodiment of the present subject matter, is that the vessel 100 has two




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separate convection zones, as explained above. The presence of two separate convection zones in the vessel 100 accelerates the heating process, and thus the time required to heat a liquid in the vessel 100 is less than that required for heating the liquid in a conventional vessel that has only one convection zone defined by the inner surface of the conventional vessel. Reduced time requirement in turn translates to required fuel requirement as well. The advantageous aspects demonstrated by the vessel 100 make it a very useful appliance for the populace of rural areas, who rely mostly on conventional vessels for heating liquids such as water to obtain hot water required for catering the basic hygiene requirements.

[0020] Different characteristics and beneficial particulars are unfolded fully with reference to the embodiments/aspects which are exemplified in the accompanying drawing and detailed in the preceding description. Descriptions of techniques, methods, components, and equipment that a person skilled in the art is well aware of or those form common general knowledge in the field pertaining to the present subject matter is not described and/or introduced for the purpose of focusing on the present subject matter and not to obscure the present subject matter and advantageous features thereof. At the same time the present subject matter and its features that are explained herein in the detailed description and the specific examples, are given by way of illustration only, and not by way of limitation. It is to be understood that a person skilled in the art may and can think of various alternative substitutions, modifications, additions, and/or rearrangements which are considered to be within the spirit and/or scope of the underlying inventive concept.


[0021] In the present specification the word "comprise", or variations thereof, such as "comprises" or "comprising", imply the inclusion of a stated element, integer or step, or group of elements, integers or steps, but not the



exclusion of any other element, integer or step, or group of elements, integers or steps.

[0022] Further, the use of the expression "at least" or "at least one" suggests the use of one or more elements or ingredients or quantities, as
5 the use can be in the embodiment of the present subject matter to achieve one or more of the desired objects or results.




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We claim:

1. A vessel for heating a liquid comprising:

- a. a hollow vessel body;
- b. a protrusion configured within an interior of the hollow vessel body, the protrusion extending from a base of the hollow vessel body in an operative upward direction along a longitudinal axis of the hollow vessel body; and
- c. a heating coil arranged within a space defined by the protrusion, the heating coil being in fluid communication with the interior of the hollow vessel body.

2. The vessel as claimed in claim 1, wherein the heating coil has a hollow configuration.

3. The vessel as claimed in claim 2, wherein operative ends of the heating coil are connected to the protrusion.

4. The vessel as claimed in claim 3, wherein the operative ends of the heating coil are connected to the protrusion in a manner that the operative ends of the heating coil are open to the interior of the hollow vessel body, thereby facilitating fluid communication between the heating coil and the interior of the hollow vessel body.

5. The vessel according to claim 1, wherein operative ends of the heating coil are welded to the protrusion.

6. The vessel according to claim 1, wherein the heating coil is configured to define a conical profile.

7. The vessel according to claim 6, wherein the conical profile defines a first diameter at an operative top end of the heating coil, and a second diameter at an operative bottom end of the heating coil, wherein the first diameter is greater than the second diameter.




ABSTRACT

A VESSEL

The present subject matter envisages a vessel for heating a liquid. The vessel comprises a hollow vessel body. A protrusion is configured within an interior of the hollow vessel body, wherein the protrusion extends from a base of the hollow vessel body in an operative upward direction along a longitudinal axis of the hollow vessel body. The vessel further comprises a heating coil arranged within a space defined by the protrusion, wherein the heating coil is in fluid communication with the interior of the hollow vessel body.




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Application Type :ORDINARY APPLICATION

To
MR. VISHAL SHIVAJI NALAWADE
MR. VISHAL SHIVAJI NALAWADE SR NO 3/17, NEAR NAVNATH NAGAR, DHANKAWADI, PUNE 411043

References :- CBR NO : 7640 Dated :03/05/2016 11:51:33 / 11/10/2016
Received documents purporting be to an application for a patent numbered "201621015321" dated "03/05/2016 11:51:33" by "MR. VISHAL SHIVAJI NALAWADE" of "SR NO 3/17, NEAR NAVNATH NAGAR, DHANKAWADI, PUNE 411043" relating to "AN APPARATUS AND METHODOLOGY OF MOVABLE ROAD DIVIDER" together with the "Complete Specification" and fee(s) of Rs. 1750(One Thousand Seven Hundred & Sixty only)

Note:-
1. In case of a Patent Application accompanied by a Provisional Specification, a Complete Specification should be filed within 12 months from the date of filing of the Provisional Specification, failing which the application will be deemed to be abandoned under Section 51(1) of the Patents Act, 1970.
2. You may withdraw the application at any time before the grant of patent, if you wish so. If, in addition to withdrawal, you also wish to prevent the publication of application in the Patent Office Journal, the application should be withdrawn within fifteen months from the date of priority or date of filing, whichever is earlier.
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for Controller of Patents & Designs

(S. M. Zende)
Office Superintendent

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Docket NO : 11123

To

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SR NO.3/17, NEAR NAVNATH NAGAR, DHANKAWADI, PUNE 411 043.

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Date/Time : 2016/05/03 11:05:26

Agent Number:

Sr. No.	CBR Number	Reference Number / Application Type	Application Number	Title/Remarks	Amount Paid	Amount Computed
1	7640	ORDINARY APPLICATION Pages:-9, Claims:-7	201621015321	AN APPARATUS AND METHODOLOGY OF MOVABLE ROAD DIVIDER	1760	1750
2		E-2/1232/2016-MUM	201621015321	Form2	0	0
3		E-3/1923/2016-MUM	201621015321	Form3	0	0
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Total Amount					1760	1760

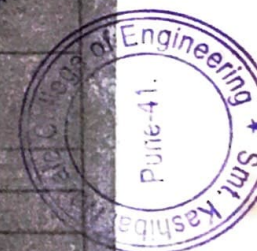
Received a sum of Rs. 1760 (Rupees One Thousand Seven Hundred & Sixty only) as under

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Cash	---	---	---	1760

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Patent Search

Invention Title	SYSTEM FOR DETECTING VULNERABILITY IN A UBIQUITOUS ENVIRONMENT
Application Number	40/2018
Application Date	05/10/2018
Application Type	INA
Application Number	201821035195
Application Filing Date	18/09/2018
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	COMPUTER SCIENCE
Classification (IPC)	H04L 29/00 G06F 21/00
Inventor	

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Applicant	Grande View-7, Flat No D-302, Survey No.5/6, Near Podar International School, Ambegaon Budruk, Pune, Maharashtra, PIN-411046 also residing at Sinhgad College of Engineering Survey No. 44/1, Off Sinhgad Road,Vadgaon Budruk, Pune -411041, Maharashtra,India	India	India

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The present invention provides a system 102 for dynamic vulnerability detection in a ubiquitous environment. The system includes at least one processor, and at least one memory unit coupled to the at least one processor 202, the at least one memory unit 206 having stored therein instructions which when executed by any set of the one or more processors, perform dynamic vulnerability detection in the ubiquitous environment. The system detects 208 an insertion of a storage device in one or more authorized computing devices selected from a plurality of authorized computing devices. The plurality of authorized computing devices configured to access private information provided by cloud computing services in the ubiquitous environment. The system further performs 210, upon detection that the storage device is inserted in said one or more authorized computing devices, a pre-defined protective action automatically to mitigate a vulnerability due to insertion of the storage device. FIG. 3B shall be the reference figure

Complete Specification

CLAIMS:

CLAIM:

A system 102 for dynamic vulnerability detection in a ubiquitous environment, the system comprising:
at least one processor 202; and
at least one memory unit 206 coupled to the at least one processor, the at least one memory unit having stored therein instructions which when executed by any set of one or more processors, perform dynamic vulnerability detection in the ubiquitous environment, the process for dynamic vulnerability detection in the ubiquitous environment including:
detecting 208 an insertion of a storage device in one or more authorized computing devices selected from a plurality of authorized computing devices, the plurality of authorized computing devices configured to access private information provided by cloud computing services in the ubiquitous environment; and
performing 210, upon detection that the storage device is inserted in said one or more authorized computing devices, a pre-defined protective action automatically to mitigate a vulnerability due to insertion of the storage device.

The system as claimed in claim 1, wherein the cloud computing services provide one or more instances of running virtual machines (VMs) for each of the plurality of authorized computing devices

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Patent Search

Publication Title	METHOD FOR DETECTING VULNERABILITY IN A UBIQUITOUS ENVIRONMENT
Publication Number	43/2018
Publication Date	26/10/2018
Publication Type	INA
Publication Number	201821035194
Publication Filing Date	18/09/2018
Priority Number	
Priority Country	
Priority Date	
Classification	COMPUTER SCIENCE
Classification (IPC)	G01V 9/00

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Applicant Name: Grande View-7, Flat No D-302, Survey No.5/6, Near Podar International School, Ambegaon Budruk, Pune, Maharashtra, PIN-411046 also residing at College of Engineering, Pune, Wellesely Road, Shivaji Nagar, Pune-411005, Maharashtra, India also residing at Smt. Kashibai Navale College of Engineering, Pune, Survey No. 44/1, Off Sinhgad Road, Vadgaon Budruk, Pune -411041, Maharashtra, India	India	India
Applicant Name: Grande View-7, Flat No D-302, Survey No.5/6, Near Podar International School, Ambegaon Budruk, Pune, Maharashtra, PIN-411046 also residing at Sinhgad College of Engineering Survey No. 44/1, Off Sinhgad Road, Vadgaon Budruk, Pune -411041, Maharashtra, India	India	India
Applicant	Country	Nationality
Applicant Name: Grande View-7, Flat No D-302, Survey No.5/6, Near Podar International School, Ambegaon Budruk, Pune, Maharashtra, PIN-411046 also residing at Sinhgad College of Engineering Survey No. 44/1, Off Sinhgad Road, Vadgaon Budruk, Pune -411041, Maharashtra, India	India	India
Applicant Name: Grande View-7, Flat No D-302, Survey No.5/6, Near Podar International School, Ambegaon Budruk, Pune, Maharashtra, PIN-411046 also residing at College of Engineering, Pune, Wellesely Road, Shivaji Nagar, Pune-411005, Maharashtra, India also residing at Smt. Kashibai Navale College of Engineering, Pune, Survey No. 44/1, Off Sinhgad Road, Vadgaon Budruk, Pune -411041, Maharashtra, India	India	India

Abstract:

The present invention provides a method 200 for dynamic vulnerability detection in a ubiquitous environment. The method can include the steps of detecting 202 an insertion of a storage device in one or more authorized computing devices selected from a plurality of authorized computing devices. The plurality of authorized computing devices configured to access private information provided by cloud computing services in the ubiquitous environment. The method further includes the steps of performing 204, upon detection that the storage device is inserted in said one or more authorized computing devices, a pre-defined protective action automatically to mitigate vulnerability due to insertion of the storage device. FIG. 3B shall be the reference figure

Complete Specification

Claims:

CLAIM 1:

A method for dynamic vulnerability detection in a ubiquitous environment, the system comprising:

detecting, at a processor of a computing device, an insertion of a storage device in one or more authorized computing devices selected from a plurality of authorized computing devices, the plurality of authorized computing devices configured to access private information provided by cloud computing services in the ubiquitous environment; and

performing, at the processor, upon detection that the storage device is inserted in said one or more authorized computing devices, a pre-defined protective action automatically to mitigate a vulnerability due to insertion of the storage device.

The method as claimed in claim 1, wherein the cloud computing services provide one or more instances of running virtual machines (VMs) for each of the plurality of authorized computing devices.

The method as claimed in claim 1, wherein the storage device is a pluggable storage.

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 Skip to Main Content Screen Reader Access ([screen-reader-access.htm](http://ipindia.nic.in/screen-reader-access.htm))



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



(<http://ipindia.nic.in>)

Patent Search

Invention Title	SYSTEM AND METHOD FOR INVESTIGATING ENERGY EFFICIENT DATA STRUCTURE	
Publication Number	31/2018	
Publication Date	03/08/2018	
Publication Type	INA	
Application Number	201821021991	
Application Filing Date	12/06/2018	
Priority Number		
Priority Country		
Priority Date		
Field Of Invention	COMPUTER SCIENCE	
Classification (IPC)	G06F 17/00 G06F 9/00	
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Abstract:
 present invention relates to a system and method for evaluating a set of data structures for being energy efficient. The data structures are evaluated on a set of operations such as add, delete and sort that are performed for various size data sets. The efficient data structure from among the set of data structures is the one with operational execution time.

Complete Specification

- Claims:**
1. A data structure efficiency determination (DSED) system(200) comprising:
 one or more processors (202);
 a transceiver (208) to control said one or more processors to receive a plurality of data sets, wherein each of said plurality of data sets are of different sizes; and
 an executor engine (212) to control said one or more processors to execute a set of operations on plurality of data structures, wherein each of said plurality of data include one or more integer numbers randomly generated for said operations; and
 a structure efficiency evaluator engine (214) to control said one or more processors (202) to evaluate each of said data structures and determine at least one efficient structure from said plurality of data structures, wherein said at least one efficient data structure comprises lowest operational execution time.
 2. The DSEDsystem of claim 1, wherein said data structure efficiency is measured in terms of said operational execution time in relation to increase in value of said plurality of different size data sets.
 3. The DSEDsystem of claim 1, wherein said system (200) is configured to determine an amount of energy consumed by plurality of said data structure during execution at least one of said operations.



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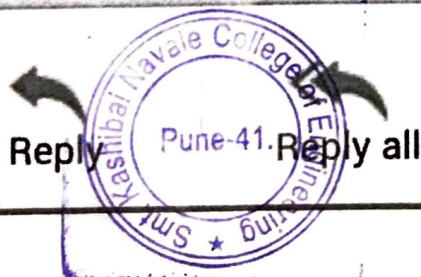
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Patent Office, Chennai: chennai-patent@nic.in; Patent Office, Mumbai: mumbai-patent@nic.in



Forward

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application : 16/02/2018

(21) Application No. 201821005940 A

(43) Publication Date : 25/05/2018

(54) Title of the invention : SYSTEM DESIGN FOR COARSE WAVELENGTH DIVISION MULTIPLEXING

(51) International classification

:H04J
14/00

(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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2) Dr. K. D. Kulat

3) Dr. M. B. Daigavane

4) Mr. Sandeep. D. Agrawal

(72) Name of Inventor :

1) Dr. Sujata S. Agrawal

2) Dr. K. D. Kulat

3) Dr. M. B. Daigavane

4) Mr. Sandeep. D. Agrawal

(57) Abstract :

Present invention provides specially a system design for Coarse Wavelength Division Multiplexing. This system focuses on design of Integrated Circuits (ICs) based transmitter and discrete components based receiver circuit for Coarse Division Multiplexing (CWDM) system. This hybrid design have been used to increase the QoS parameters such as cost, output signal power, insertion losses, isolation losses and link budget of the system. Following invention is described in detail with the help of Figure 1 of sheet 1 showing block diagram of CWDM system, Figure 2 of sheet 1 showing the circuit diagram of CWDM transmitter using IC-HK and IC-WK and Figure 3 of sheet 2 showing circuit diagram for CWDM receiver.

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





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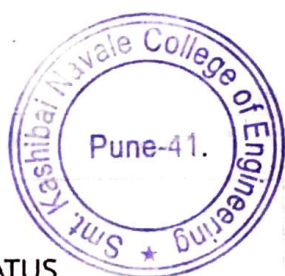


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Application Details

APPLICATION NUMBER	201721046249
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	22/12/2017
APPLICANT NAME	1 . Wrushali Madhukar Mendre 2 . Dr. Ranjana D. Raut 3 . Dr. Mousami V. Munot
TITLE OF INVENTION	AUTOMATED DECISION SUPPORT SYSTEM (DSS) FOR THYROID MALIGNANCY DETECTION THROUGH USG
FIELD OF INVENTION	COMPUTER SCIENCE
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PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	25/12/2017
PUBLICATION DATE (U/S 11A)	05/01/2018
REPLY TO FER DATE	02/09/2021



Application Status

APPLICATION STATUS

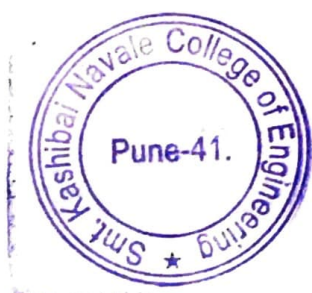
Reply Filed. Application in amended examination


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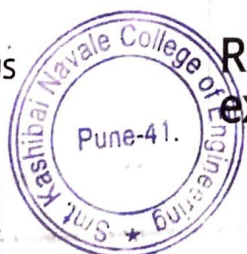
(<http://ipindia.nic.in/index.htm>)

Application Details

APPLICATION NUMBER	201721029245
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	18/08/2017
APPLICANT NAME	1 . Umesh Subhashrao Jawarkar 2 . Nitin Sahadeorao Gawai 3 . Prasad Deepakrao Garje 4 . Vaibhav Ramesh Joshi
TITLE OF INVENTION	AUTOMATIC METER READER WITH THEFT/ACCIDENT DETECTION ALERTS
FIELD OF INVENTION	MECHANICAL ENGINEERING
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PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	21/08/2017
PUBLICATION DATE (U/S 11A)	15/09/2017
REPLY TO FER DATE	09/03/2021

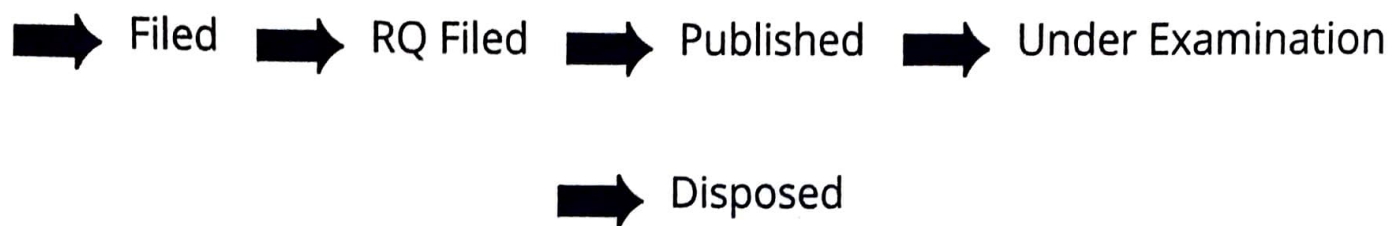
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Ap.	Title	Details																											
20	a simple tap-attachment for water conservation	<table><tr><th>Bibliographic Data</th><th>Complete Specification</th><th>Application Status</th></tr><tr><td>Application Number</td><td>201621005943</td><td></td></tr><tr><td>Application Filing Date</td><td>2016/02/20</td><td></td></tr><tr><td>Priority Number</td><td>-</td><td></td></tr><tr><td>Priority Country</td><td>-</td><td></td></tr><tr><td>Priority Date</td><td>-</td><td></td></tr><tr><td>Field Of Invention</td><td>(F110) MECHANICAL ENGINEERING</td><td></td></tr><tr><td>Classification (IPC)</td><td>F03D-9/02, F03D-3/00,</td><td></td></tr><tr><td>Inventor</td><td colspan="2"></td></tr></table>	Bibliographic Data	Complete Specification	Application Status	Application Number	201621005943		Application Filing Date	2016/02/20		Priority Number	-		Priority Country	-		Priority Date	-		Field Of Invention	(F110) MECHANICAL ENGINEERING		Classification (IPC)	F03D-9/02, F03D-3/00,		Inventor		
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Priority Country	-																												
Priority Date	-																												
Field Of Invention	(F110) MECHANICAL ENGINEERING																												
Classification (IPC)	F03D-9/02, F03D-3/00,																												
Inventor																													
20	combustor for micro gas turbine engine																												
20	renewable portable battery charger using wind energy																												
Invention Title		RENEWABLE PORTABLE BATTERY CHARGER USING																											
Publication Date		2016/03/04																											
Application Date		2016/02/20																											
Application Number		201621005943																											
Patent Number																													
Publication type		A																											
Field of Invention		F110																											
Abstract: According to this invention, a renewable portable battery charger disclosed. The mobile electricity generator comprises a body adapted to be in vehicle shield or in vehicle window such that to provide more wind at high pressure of the body. An alternator fixed in the body such that it easy to transfer board is to be provided to amplify specified current such that battery charge.																													
Page 1 of 40		Total Document(s): 559369 Displaying 1																											

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/02/2016

(21) Application No.201621005943 A

(43) Publication Date : 04/03/2016

(54) Title of the invention : RENEWABLE PORTABLE BATTERY CHARGER USING WIND ENERGY

(51) International classification	:F03D9/02, F03D3/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)AJINKYA RAVINDRA KOTTAWAR
(32) Priority Date	:NA	Address of Applicant :201, Gurdev Nagar, Umarsara, YAVATMAL, 445001, Maharashtra, INDIA. Maharashtra India
(33) Name of priority country	:NA	2)PRASAD PRAKASH LOKULWAR
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Parikshit Narendra Mahalle
(87) International Publication No	:NA	2)AJINKYA RAVINDRA KOTTAWAR
(61) Patent of Addition to Application Number	:NA	3)PRASAD PRAKASH LOKULWAR
Filing Date	:NA	4)Shrikant Suroshe
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

According to this invention, a renewable portable battery charger using wind energy is disclosed. The mobile electricity generator comprises a body adapted to be hanging on a wing vehicle shield or in vehicle window such that to provide more wind at high pressure at the outlet end of the body. An alternator fixed in the body such that it easy to transfer electricity. The circuit board is to be provided to amplify specified current such that battery charges correctly. The battery is use for charging the devices while the charger is in rest.

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



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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/02/2016

(21) Application No.201621004088 A

(43) Publication Date : 27/05/2016

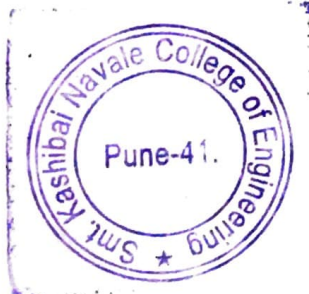
(54) Title of the invention : AN ECO-FRIENDLY HEATING AND COOLING SYSTEM WITH WATER DISTILER FOR CABINET


<p>(51) International classification :F25B21/04, F25D11/00 (31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA (86) International Application No :PCT// Filing Date :01/01/1900 (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</p>	<p>(71)Name of Applicant : 1)AJINKYA RAVINDRA KOTTAWAR Address of Applicant :201, Gurdev Nagar, Umarsara, YAVATMAL, 445001, Maharashtra, INDIA Maharashtra India 2)PRASAD PRAKASH LOKULWAR (72)Name of Inventor : 1)Parikshit Narendra Mahalle 2)AJINKYA RAVINDRA KOTTAWAR 3)PRASAD PRAKASH LOKULWAR</p>
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(57) Abstract :

An Eco friendly heating and cooling system with water distiller for cabinet comprising a plurality hot chamber and cool chamber one on another, main exhaust is provided for circulation of heat in heating chamber and water distiller. Cooling module is mounted in the heat rejection passage, passing the electric supply to Heating/ cooling module it start cool in one side and hot in another side, Mini exhaust is mounted for rejection of heat properly, controller help to maintain specified temperature in cabinet. In heating chamber water distiller setup is for distillation process, where in heat rejection tubes helps to create distilled water.

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




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