



||JAI SRI GURUDEV|| Sri Adichunchanagiri Shikshana Trust ®

SJB INSTITUTE OF TECHNOLOGY

(A Constituent Institution of BGS & SJBIT Group of Institution & Hospitals)
No. 67, BGS Health & Education City, Dr. Vishnuvardhan Road, Kengeri, Bengaluru - 560 060



Approved by AICTE - New Delhi.

Affiliated to Visvesvaraya Technological Unversity, Belagavi,
2(f) and 12(B) recognized by UGC, New Delhi.

Accredited by NAAC, Accredited by NBA. Certified by ISO 9001-2015

Department of Computer Science & Engineering

A NAAC

Date: 10/12/2022

Ref: SJBIT/CSE/2022-23/126

Patent details

Sl. No.	Title Name of IP (Patent Only)	IP Registration Number of Patent	Date of Patent IP Filed (Month, Year)	Application Level	Status (Filled / Granted
1	Method And System For Utilizing Deep Learning Techniques For Implementing Electronic (E) Authenticate	202241004656 A	28/01/2022	Engineering & Technology	Published
2	Automated Aerial Vehicle	354840-001	13/12/2021	Engineering & Technology	Filed
3	Automatic Fruit Sorting Using Image Processing	202021038153	04/09/2020	Engineering & Technology	Published
4	Intelligent Temporal Extraction and Analysis Model Based Web Personalized Recommendation	202141027419A	18/06/2021	Engineering & Technology	Published
5	Kannada Text Detection And Recognition From Natural Scene Images Using Aksharanet CNN Model	202141023568	27/05/2021	Engineering & Technology	Published
1 6	Carry Forward of Unused Resources in Multi Sharing System in Hybrid Cloud	202141002370	19/01/2021	Engineering & Technology	Filed

Head of the Department
Dept. of Computal Dice and Engineering
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EGS Health & Education City,
No. 67, Uttarahalli Road, Kengeri,





Controller General of Patents, Designs and Trademarks Department of Industrial Policy and Promotion Ministry of Commerce and Industry

Application Details

APPLICATION NUMBER

202021038153

APPLICATION TYPE

ORDINARY APPLICATION

DATE OF FILING

04/09/2020

APPLICANT NAME

1. PROF. VISHRUTH B GOWDA

2. DR. GOPALAKRISHNA M T

3. DR. CHATRAPATHY K

4. DR. NAVEENA C

5. AJAY BN

6. RAVI P

TITLE OF INVENTION

AUTOMATIC FRUIT SORTING USING IMAGE PROCESSING.

FIELD OF INVENTION

Computer Science

E-MAIL (As Per Record)

ADDITIONAL-EMAIL (As Per Record)

VISHRUTHA04@GMAIL.COM

E-MAIL (UPDATED Online)

PRIORITY DATE

REQUEST FOR EXAMINATION DATE

PUBLICATION DATE (U/S 11A)

18/09/2020

Application Status

View Documents

Head of the Department Dept. of Computer Science and Engineer ag SJB INSTITUTE OF TECHNOLOGY BGS Health & Education City, No. 67, Uttarahalli Rod, Kengeri,

Bengaluru-560 060.

PATENT OFFICE INTELLECTUAL PROPERTY BUILDING G.S.T. Road, Guindy, Chennai-600032 Tel No. (091)(044) 22502081-84 Fax No. 044 22502066 E-mail: Chennai-patent@nic.in

Web Site: www.ipindia.gov.in



GOVERNMENT OF INDIA



Date/Time: 19/01/2021

Agent Number:

CHALLAN: TR-5 DOCKET NO:4996

To, DR. PRAVINTH RAJA SUTHAKAR

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, PRESIDENCY UNIVERSITY, BANGALORE - 560064. pravinthraja@gmail.com

Sr. No.	CBR No.	Reference Number /Application Type	Application Number	Title/Remarks	Amount Paid
1	2088	ORDINARY APPLICATION	202141002370	CARRY FORWARD OF UNUSED RESOURCES IN MULTI SHARING SYSTEM IN HYBRID CLOUD	1750
2		E-101/518/2021-CHE	202141002370	Correspondence	0
3		E-2/199/2021-CHE	202141002370	Form2	0
Total	1	4			1750

Received a sum of Rs. 1750 (Rupees One Thousand Seven Hundred & Fifty only) through

Payment Mode	Bank Name	Cheque/Draft Number	Cheque/Draft Date	Amount in Rs
Draft	Canara Bank	875564	08/01/2021	1750

Note: This is electronically generated receipt hence no signature required.

Head of the Department Dept. of Computer Science and Engineering SJB INSTITUTE OF TECHNOLOGY BGS Health & Education City, No. 67, Uttarahalli Road, Kengeri, Bengaluru-560 060.

(21) Application No.202141027419 A

(19) INDIA

(22) Date of filing of Application: 18/06/2021

(43) Publication Date: 02/07/2021

(54) Title of the invention: INTELLIGENT TEMPORAL EXTRACTION AND ANALYSIS MODEL BASED WEB PERSONALIZED RECOMMENDATION

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date 52) Divisional to Application Number Filing Date 	:G06Q0030020000, G06Q0030060000, G06F0016953500, G02C0007020000, G06F0016957000 :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)Mrs.Chaitra H K Address of Applicant: Assistant Professor, Department of Computer Science and Engineering, SJB Institute of Technology, BGS health and education city,Dr.Vishnuvardhan road, Kengeri, Bengaluru-560060 Karnataka India 2)Dr. Suneetha K R (72)Name of Inventor: 1)Mrs.Chaitra H K 2)Dr. Suneetha K R
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(57) Abstract:

Abstract INTELLIGENT TEMPORAL EXTRACTION AND ANALYSIS MODEL BASED WEB PERSONALIZED RECOMMENDATION The challenge of a typical web-based customized recommendation system from the user's viewpoint: to make the customization or suggestion precise and satisfy the user with the personalization or suggestion. Customization is the process of collecting and evaluating the saved information about website users. This concept helps to provide every visitor with the appropriate information at the appropriate moment. Customization should suggest papers and other websites, advertise goods, provide suitable recommendations, e-mail targets, etc. Personalization is being utilized to speed up the delivery to a visitor of information, making the website appealing and encouraging the user to return.

No. of Pages: 23 No. of Claims: 7

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Office of the Controller General of Patents, Designs & Trade Marks Department of Industrial Policy & Promotion, Ministry of Commerce & Industry, Government of India

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

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

Application Details

APPLICATION NUMBER 202141023568

APPLICATION TYPE ORDINARY APPLICATION

\TE OF FILING 27/05/2021

APPLICANT NAME 1. Shahzia Siddiqua

2. Sunilkumar S Manvi

3. Naveena C

TITLE OF INVENTION KANNADA TEXT DETECTION AND RECOGNITION FROM NATURAL SCENE

IMAGES USING AKSHARANET CNN MODEL

FIELD OF INVENTION **COMPUTER SCIENCE**

E-MAIL (As Per Record) sshaz79@gmail.com

ADDITIONAL-EMAIL (As Per Record)

E-MAIL (UPDATED Online)

PRIORITY DATE

CQUEST FOR EXAMINATION DATE

PUBLICATION DATE (U/S 11A)

11/06/2021

Application Status

SJB INSTITUTE OF TECHNOLG Y BGS Health & Education City,

No. 67, Uttarahalli Rcod, Kengeri,

APPLICATION STATUS

Awaiting Request for Examination

View Documents





PATENTS / DESIGNS / TRADE MARKS GEOGRAPHICAL INDICATIONS

No. 354840-001/D/CA/AG

To

Encl:-

1. Objection Sheet

Peramandappatti, K.Eachambadi(PO), Karimangalam (TK), Dharmapuri(DT), 635202

SUB: First Examination Report

REF: Design Application No.354840-001

NAME OF APPLICANT :- Dr. Krishna A N, SJB Institute of Technology

Subsequent to examination of above mentioned design application under Section 5(1) of the Design Act, 2000, the following objections as appended in this letter are raised by this Office and are being sent to you under Rule 18(1). The following documents are enclosed herewith for amendment and the same should be returned to this office together with your observations, which you may like to submit in response to the said objections. Superseded documents, if any, should also be returned to this office after cancellation over your signature.

As prescribed under Rule 18(1), the period for removal of the appended objection(s) shall not exceed the time period of six months from the date of filing of the application, which shall expire on Date 13/06/2022 for the instant application. The said period may be extended for a further period not exceeding three months on a request made in Form-18 along with fees specified in the First Schedule before the expiry of the above mentioned stipulated time period of six months from the date of filing of the application. If your response to this communication is not received at this office on or before the aforementioned stipulated Date 13/06/2022 (or on or before the extended period if any), the instant application shall be deemed to be abandoned under Section 5(5) read with Rule 21.

Head of the Department

Dept. of Computer Science and Engineering

SJB INSTITUTE OF TECHNOL' BGS Health & Education Car

2. No Form No. 67, Uttarahalli Rozd, Kengud,

Dengaluru-560.060. **NOTE:** This is an electronically generated report along with the gist of objections. All Communications to be sent to the Controller of Designs at the above address.

GOVERNMENT OF INDIA PATENT OFFICE

INTELLECTUAL PROPERTY BUILDING

CP-2, Sector-V, Saltlake City, Kolkata-700091

Tel No. (091)(033) 2367 1943/9101 Fax No. 033 23671988 (091)(033) 2367 1944

> E-mail: controllerdesign.ipo@nic.in Web Site: www.ipindia.nic.in

> > Dated the :19/01/2022

Arup bieru

(Arup Garu)

[Electronically generated] Controller of Designs

Serial Number	Objections Class-Sub Class Number should be stated appropriately with respect to the nature of Class-Sub Class Number Form 1 (may be 12-07).
1	article in Application 1 of the Designs Act, 2000 and 112
2	The article sought for registration attracts sec. 40 of The The article sought for registration attracts sec. 40 of The The article sought for registration attracts sec. 40 of The The The Internation will be sent to competent authority for their the instant application will be sent to competent authority for their clearance/comments for further proceedings in this office. Title of the article as in "view application details" section is inconsistent with that as Title of the article as in "view application details" section is inconsistent with that as
3	Title of the article as in "View appreciations of the provided in the representation sheets. You are requested to submit a filled-in Form-1 in prescribed format as per the Designs You are requested to submit a filled-in Form-1 in prescribed format as per the Designs
4	(amendment) Rules, 2021.
5	While filing the reply, representation Sheets should be signed in original of applicant/authorized agent. You are requested to submit 2 copies of amended/revised representation sheets in original
	The state of the s

FORM 1

Application for Registration of Design

[See section 5 and 44]

You are requested to register the accompanying design in:

Sr.	Class	Sub Class	Articles
1	15-00- Machines, not elsewhere specified	15-03-AGRICULTURAL AND FORESTRY MACHINERY	Representation Seat

In the name of:

S	r. Name	Nationalit	y Address
1	Dr. Krishna A N, SJB Institute of Technology	India	Professor and Head, Department of Computer Science and Engineering, SJB Institute of Technology, Bengaluru – 560060
2	Dr. Chandra Shekar S M, Vemana Institute of Technology	India	Professor and Head, Department of Electronics and Communication, Vemana Institute of Technology, Bengaluru – 560034
3	Dr.Manu K S, SJB Institute of Technology	India	Assistant Professor, Department of Computer Science and Engineering, SJB Institute of Technology, Bengaluru – 560060
4	Dr. H Sunil, Vemana Institute of Technology	India	Associate Professor, Department of Electronics and Communication, Vemana Institute of Technology, Bengaluru – 560034.
5	Dr.Parameshwara M C Vemana Institute of Technology	India	Associate Professor, Department of Electronics and Communication, Vemana Institute of Technology, Bengaluru – 560034
5	Girish N, Vemana Institute of Technology	India	Assistant Professor, Department of Electronics and Communication, Vemana Institute of Technology, Bengaluru –

7	Mukul Manohar S, Vemana Institute of Technology	India	Assistant Professor, Department of Electronics and Communication, Vemana Institute of Technology, Bengaluru – 560034
8	Deepika D Pai, Vemana Institute of Technology	India	Assistant Professor, Department of Electronics and Communication, Vemana Institute of Technology, Bengaluru – 560034
9	Arun Kumar D R, SJB Institute of Technology	India	Assistant Professor, Department of Computer Science and Engineering, SJB Institute of Technology, Bengaluru — 560060
10	Vignesh T	India	Peramandappatti, K.Eachambadi(PO), Karimangalam(TK), Dharmapuri(DT), 635202

who claim(s) to be the proprietor(s) thereof.

Four exactly similar representations of the design accompanying this request.

The design is to be applied to Representation Seat,

Address for Service in India is:

Peramandappatti, K.Eachambadi(PO), Karimangalam(TK), Dharmapuri(DT), 635202

Email ID: arulkumaran.ckpc@gmail.com

Mobile No: 9486078445

Declaration:

The applicant(s) claims to be the proprietor(s) of the design and that to the best of his knowledge and belief the design is new or original.

Dated this 13 day of December 2021

SIGNATURE Vignesh T

To,
The Controller of Patents & Designs,
The Patent Office Kolkata

This form is electronically generated.

Head of the Department
Onpt. of Computer Science and Engineering
S18 INSTITUTE OF TECHNOLOGY
BGS Health & Education City,
No. 67, Uttarahalli Road, Kengeri,
Bengaluru-560 060.

(19) INDIA

(22) Date of filing of Application :28/01/2022

(21) Application No.202241004656 A

(43) Publication Date: 04/02/2022

(54) Title of the invention: METHOD AND SYSTEM FOR UTILIZING DEEP LEARNING TECHNIQUES FOR IMPLEMENTING ELECTRONIC (E) AUTHENTICATION OF AN ENTITY USING EYE BLINKING

(51) International classification :H04L0009320000, G06F0003010000, H04L0029060000, G06K0009000000, H04L0012180000 (86) International Application ·PCT// Filing Date :01/01/1900

:NA

(87) International Publication No (61) Patent of Addition to Application Number :NA Filing Date (62) Divisional to Application Number

Filing Date

(71)Name of Applicant : 1)DR. LAVANYA KAMPA (Associate Professor) Address of Applicant :DEPARTMENT OF INFORMATION TECHNOLOGY LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING(AUTONOMOUS), MYLAVARAM-521230 KRISHNA DISTRICT ANDHRA PRADESH Mail id: dr.lavanyakampa@gmail.com Mobile: +91 8499097990 2)DR. ANUPRIYA KONERU (Associate Professor) 3)MRS RAMINENI VIJAYA (Associate Professor) 4)DR. SHIVAYOGI ULLAGADDI (Professor) 5)DR. BASAVARAJ G.N (Associate Professor)

6)MR. SANGAMESH (Assistant Professor) 7)MR. SANJAY KUMAR J H (Assistant Professor) Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor:

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Address of Applicant :DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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(57) Abstract:

ABSTRACT METHOD AND SYSTEM FOR UTILIZING DEEP LEARNING TECHNIQUES FOR IMPLEMENTING ELECTRONIC (E) AUTHENTICATION OF AN ENTITY USING ABSTRACT MELTION AND STSTEM FOR UTILIZING DEEF LEARNING TECHNIQUES FOR IMPLEMENTING ELECTRONIC (E) AUTHENTICATION OF AN ENTITY USING SYSTEM implements e-authentication of an entity using eye blinking. The method and system comprises a portable authentication and encryption system implements e-authentication of for identifying true identify of a user by tacking and monitoring eye blinking. The method and system comprises a portable authentication and encryption device is configured to communicably connect to said computer, wherein said computer is configured to send data to or receive data from said portable authentication and encryption device, a data processing unit, said data processing unit is configured to at least one of store, process, transmit and receive data to or from said computer.

Axell Head of the Department Dept. of Computer Science and Engineering SJB INSTITUTE OF TECHNOLOGY BGS Health & Education City, No. 67, Uttarahalli Rod, Kengeri, Bengaluru-560 060.

The Patent Office Journal No. 05/2022 Dated 04/02/2022



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(A Constituent Institution of BGS & SJBIT Group of Institution & Hospitals)
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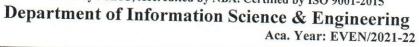




Approved by AICTE - New Delhi.

Affiliated to Visvesvaraya Technological University, Belagavi, 2(f) and 12(B) recognized by UGC, New Delhi.

Accredited by NAAC, Accredited by NBA. Certified by ISO 9001-2015



Date: 28-09-2022

Patent Details

CI					
SI No	Title/Name of ID	Patent Registration Number of patent	Date of patent IP Filed	Application level	Status
1	IRBC-System: Intelligent rule based Classification systems to classify Discrete sets	202041027658	2020-06-04	Engineering and Technology	Published
2	ICD-Devices: Intelligent Clustering Digital devices in an Internet of Things (IoT)	202041028300	2020-06-25	Engineering and Technology	Published
3	Automatic Fruit sorting using image processing	202021038153	2020-09-04	Engineering and Technology	Published
4	Recommendation models for Big Data Analysis using Multi- Criteria and Hybrid Collaborative filter	202041048855	2020-11-09	Engineering and Technology	Published
5	GOI on Road Monitoring Device	202141006356A	16/02/2021	Engineering and Technology	Published
6	An Artificial Intelligence enabled Cryptography based Financial Analytical tool	2021101470	2021-03-23	Engineering and Technology	Granted
7	AI based automated food serve robot for catering application using IoT	202141019218	2021-04-27	Engineering and Technology	Published

8	A Smart Ring To Detect Water Feeding in Farms Using IoT	341061-001	27/04/2021	Engineering and Technology	Published
9	Multiple Company Mobile number Integrate in Single SIM	2021102421	09/05/2021	Engineering and Technology	Rejected
10	Iot and Cloud based Security System for Smart Vehicle	202141034157 A	2021-07-29	Engineering and Technology	Published
11	AI Based hybrid aircraft for medicine deliveries in remote and disaster areas	2021106059	10/11/2021	Engineering and Technology	Granted

Co-ordinator Dr. 1 lajarhree

HOD

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Head of the Department
Jept. of Information Science & Engineering
S.J.B. Institute of Technology
Kengeri, Bangalore-560 060.



(19) INDIA

(22) Date of filing of Application :30/06/2020

(21) Application No.202041027658 A

(43) Publication Date: 10/07/2020

(54) Title of the invention: IRBC-SYSTEM: INTELLIGENT RULE-BASED CLASSIFICATION SYSTEMS TO CLASSIFY

Filing Date (62) Divisional to Application Number Filing Date	1)DR. R. BALAKRISHNA (DEAN & PROFESSOR) Address of Applicant :DEPT. OF COMPUTER SCIENCE AND ENGINEERING, RAJARAJESWARI COLLEGE OF ENGINEERING, #14, RAMOHALLI CROSS, KUMBALAGODU, MYSORE ROAD, BANGALORE, KARNATAKA-560074, INDIA. E-Mail: rayankibala@yahoo.com Karnataka India 2)DR. ANANDKUMAR K S (ASSOCIATE PROFESSOR) 3)DR. MURALI G (ASSOCIATE PROFESSOR) 5)DR. PIYUSH KUMAR PAREEK (PROFESSOR) (72)Name of Inventor: 1)DR. R. BALAKRISHNA (DEAN & PROFESSOR) 2)DR. ANANDKUMAR K S (ASSOCIATE PROFESSOR) 4)MRS. SELVI M (ASSISTANT PROFESSOR) 4)MRS. SELVI M (ASSISTANT PROFESSOR) 5)DR. PIYUSH KUMAR PAREEK (PROFESSOR) 5)DR. PIYUSH KUMAR PAREEK (PROFESSOR)
	3)DR. MURALI G'(ASSO 4)MRS. SELVI M (ASSIS

Patent Title: IRBC-System: INTELLIGENT RULE-BASED CLASSIFICATION SYSTEMS TO CLASSIFY DISCRETE SETS. ABSTRACT My Invention IRBC-System • is a directed towards classifying data using machine learning that may be incrementally refined based on expert defined input. The Data provided to a intelligent deep learning model that may be trained based on a plurality of classifiers and sets of training and testing data. The fixed number of classification errors exceeds a defined threshold classifier data corresponding to observed classification errors. The learning model may be trained based on the modified classifiers, the data, and the data corresponding to the observed classification errors. The value may be generated and associated with the classification of the data by the fast learning model. Output information may be generated based on a comparison result of the confidence value associated with the fast learning model and the confidence value associated with the deep learning model. Rule-based classification systems to classify sequence sets of data are often difficult and expensive to maintain, and often insufficient for tasks involving large, varying, and complex data sets. The invented systems may be prone to failure if faced with data that varies or changes over time, data that contains variations within the classes themselves. The rule-based algorithms designed in advance may be ineffective at classifying the live data and also the manual design of effective rule-based classifiers may become difficult as the classification options become more complex. In this invention difficult to identify the features in the source data that may be used for effective automatic classification of data. Thus, it is with respect to these considerations and others that the invention has been made.

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

Head of the Department Dept. of Information Science & Engineering S.J.B. Institute of Technology Kengeri, Bangalore-560 060.



(19) INDIA

(22) Date of filing of Application :03/07/2020

(21) Application No.202041028300 A

(43) Publication Date: 31/07/2020

(54) Title of the invention: ICD-DEVICES: INTELLIGENT CLUSTERING DIGITAL DEVICES IN AN INTERNET OF THINGS (IOI)

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	(71)Name of Applicant: 1)DR. R. BALAKRISHNA (DEAN & PROFESSOR) Address of Applicant: DEPT. OF COMPUTER SCIENCE AND ENGINEERING, RAJARAJESWARI COLLEGE OF ENGINEERING, #14, RAMOHALLI CROSS, KUMBALAGODU, MYSORE ROAD, BANGALORE, KARNATAKA-560074, INDIA. E-Mail: rayankibala@yahoo.com Karnataka India 2)DR. PRASAD A Y (ASSISTANT PROFESSOR) 3)DR. MURALI G (ASSOCIATE PROFESSOR) 5)MRS. VASANTHAMMA G (ASSOCIATE PROFESSOR) 2)DR. PRASAD A Y (ASSISTANT PROFESSOR) 3)DR. MURALI G (ASSOCIATE PROFESSOR) 3)DR. MURALI G (ASSOCIATE PROFESSOR) 4)MR. SREEPATHI V (ASSOCIATE PROFESSOR) 5)MRS. VASANTHAMMA G (ASSOCIATE PROFESSOR) 5)MRS. VASANTHAMMA G (ASSOCIATE PROFESSOR) 5)MRS. VASANTHAMMA G (ASSOCIATE PROFESSOR)
(57) Abstract: Patent Title: ICD-Devices: INTELLIGENT CLUSTER	

Patent Title: ICD-Devices: INTELLIGENT CLUSTERING DIGITAL DEVICES IN AN INTERNET OF THINGS ("IOTTM) ABSTRACT My Invention ICD-Devices is an intelligent clustering device in an Internet of Things (ToT™), including, receiving, by a device clustering module, a characteristic set for a device. The characteristic set specifies one or more device attributes and attribute value for each device attribute; clustering, by the device clustering module, the device into an attribute level cluster based on the one or more device attributes specified in the character set for the device. The things and products for clustering devices in the Internet of Things (ToTTM) in accordance with the invention are described and also the IoT refers to single hide identifiable. The IoT can be thought of as a dynamic local network infrastructure with self-intelligent configuring capabilities based on standard and intelligent interoperable WI-FI communication defined protocols in which both physical, virtual things have identities and attributes. The physical, virtual things can be seamlessly integrated into traditional networks. You know the IoT can make use of radio-frequency and other required frequency identification technologies to identify and inventory each thing in the IoT. No. of Pages: 23 No. of Claims: 6

Head of the Department Dept. of Information Science & Engineering S.J.B. Institute of Technology Kengeri, Bangalore-560 060



(19) INDIA

(22) Date of filing of Application :04/09/2020

(21) Application No.202021038153 A

(43) Publication Date: 18/09/2020

(54) Title of the invention: AUTOMATIC FRUIT SORTING USING IMAGE PROCESSING.

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Num Filing Date (62) Divisional to Application Number Filing Date (57) Abstract : 	:B07C0005360000 B07C0005342000, G02B0006420000, G06K0009200000, B07C0005340000 :NA	Address of Applicant :A1-304 SHREYAS SOCIETY	
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1. ABSTRACT: Grading of fruits is important in agriculture products processing as a very small number of damaged fruits can cause rottenness and spread the infection to the other good fruits, which are present in the same unit. It can cause a great loss to the manufacturer and if thos erotten fruits are mistakenly used in the manufacturing of the product then, it can affect the reputation and sell of the company. Manual sorting of fruits is carried out in many fields. However, it is not the proper and efficient way of sorting the fruits due to lack of accuracy and huge labor charges. Hence, manual sorting is replaced by Computer Vision (CV) using a raspberrypi with the advantages of high precision and high automatization, which is designed, by using image-processingalgorithms.

VESHRUTH B.G

Head of the Department

Dept. of Information Science & Engineering S.J.B. Institute of Technology Kengeri, Bangalore-560 060.



(19) INDIA

(22) Date of filing of Application :09/11/2020

(21) Application No.202041048855 A

(43) Publication Date: 13/11/2020

(54) Title of the invention: RECOMMENDATION MODELS FOR BIG DATA ANALYSIS USING MULTI-CRITERIA AND HYBRID COLLABORATIVE FILTER

 (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (57) Abstract : 	1)Dr. Manu M N Address of Applicant :Associate Professor, Department Information Science & Engineering, SJB Institute of Techn Bengaluru-60 Karnataka India (72)Name of Inventor: 1)Dr. Manu M N 2)Dr. Ramesh B 2NA 2)Dr. Ramesh B 3)Dr. Gururaj H L 2NA 4)Dr. Chandrika J 5)Dr. Srividya R 6)Prof. Pushpalatha R	of ology
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The continuous growth of data generation facilitates enormous opportunities for both public and private companies. Hidden insights f knowledge have been found from huge volume of data. Hence, the need of recommendation system has gained much interest among the researchers. We have developed a better recommendation model for movie applications with better recommender accuracy. The main aim of the recommender systems is to enhance accuracy of the recommended jobs. Our system is processed in three phases, namely, single criteria, multi-criteria and hybrid multi-criteria systems. Each phase aims to enhance the accuracy of recommended jobs. In single criteria recommender systems, the user-to - item relationship were analysed using the similarity measures such as Logliklihood, Cosine and Pearson correlation coefficient. The proposed model is experimented on Movie lens datasets which proved a recommended error rate of 5.02. Secondly, a recommender system is developed from multi-criteria analysis. In this study, the collaborative filtering is studied from perspectives of user-touser and item-to-item relationships. Similar interests of the users and the ratings given on particular item were collectively analyzed to achieve improved recommender systems. The error rate results have shown that user-to- user relationship is 3.13 and the item-to-item relationship is 3.45. Then, hybrid multicriteria recommender system is studied using Weighted Arithmetic Mean. The common interests of user and items are aggregated using Weighted Arithmetic Mean. Depends upon computed weight, the top k items are recommended to the users. The error rate result of hybrid multi-criteria recommender systems is 2.72 values. Our research study has proved that decreased error rate achieved No. of Pages: 10 No. of Claims: 2

Head of the Diggs (man) Dept. of Information Science & Engineering S.J.B. Institute of Technology Kengeri, Bangalore-560 060.



(19) INDIA

(22) Date of filing of Application :16/02/2021

(21) Application No.202141006356 A

(43) Publication Date: 19/02/2021

(54) Title of the invention: ROAD MONITORING DEVICE

(51) International classification(31) Priority Document No(32) Priority Date	:A61B0005080000, G01C0021340000, B60W0040100000, B60W0030020000, B60W0050080000 :NA	Department of Electronics and Communication Engineering K S School of Engineering and Management #15/1, Mallasandra, New Vajarahalli, Off. Kanakapura Road, Bengaluru-560109 Email:
(33) Name of priority country	:NA	4)Mrs. Arpitha Shankar S I
(86) International Application No	:NA	5)Dr.Dinesha P
Filing Date	:NA	6)Dr.Chethana Sridhar
(87) International Publication No	: NA	7)VEERANNA KOTAGI
(61) Patent of Addition to Application Number Filing Date	:NA :NA	(72)Name of Inventor : 1)Dr.Kishore M 2)Dr. Vinod H C
(62) Divisional to Application Number	:NA	3)Mr. Santhrupth B C
Filing Date 57) Abstract :	:NA	4)Mrs. Arpitha Shankar S I 5)Dr.Dinesha P 6)Dr.Chethana Sridhar 7)VEERANNA KOTAGI

TITLE OF INVENTION: Road Monitoring Device Abstract A device for enhancing the safety and comfort of vehicle driving is revealed. The key road sign information found during the journey is transmitted to the driver, the location of the vehicle on the driving surface is constantly monitored and the presence of foreign matter such as mud, speed breakers holes etc. is tested on the road surface. The sensors transmit the data to the alert system and transmit information for subsequent action. This invention enhances safety of driving. The Invention solves safety problem on roads by avoiding accidents by maintaining balance of vehicle. Artificial Intelligence and IoT has played significant modules in invention.

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

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Search Results

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Applicati number	on Title	Applicant(s)	Inventor(s)	Filing	Application
1 2021101470		C, Vinod H; G., Pavithra; Gurusamy, M.;		date	status
	intelligence enabled cryptography based financial analytical tool	Manekar, Ankita Uday; Manjunath, T.C.; Niranjan, S. K.; Patil, Rakesh; Peroumal, Vijayakumar DR; R, Chetan; Rawool, Ameeta	Peroumal, Vijayakumar; Gurusamy, M.; Swarna, Srinivasa Rao; Sasubilli, Satya Murthy; Kumar, Vipin; Rawool, Ameeta Ashok; Niranjan, S. K.; C., Vinod H; R., Chetan; U., Yamuna; Patil, Rakesh; Manekar, Ankita Uday; Vethamanikam, Hudson Arul; G., Pavithra; Manjunath, T. C.; Kshirsagar, Pravin Ramdas	2021- 03-23	GRANTED

This data is current as of 2022-09-05 18:00 AEST.

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Application Filing Receipt

Goverment of India Patent Office

Intellectual Property Office Building, G.S.T. Road, Guindy, Chennai -600032

Phone- 044-22502081-84 Fax: 044-22502066

e-mail: chennai-patent@nic.in

CBR date: 27-04-2021

CBR Number: 15314

Application Type: ORDINARY APPLICATION

Priority Number: Priority Date:

Priority Country: Not Selected

Santosh M Nejakar

Santosh Nejakar, Executive Director, NEJAKAR TECHNOLOGIES, Haveri Siddadevanagar, Near Head Post Haveri Karnataka India 581110

Received documents purporting be to an application for patent numbered 202141019218 dated 27-04-2021 by Santosh M Nejakar of AKAR TECHNOLOGIES, Haveri Siddadevanagar, Near Head Post Haveri Karnataka India 581110 relating to "AI BASED AUTOMATED FOOD SERVE ROBOT FOR CATERING APPLICATION USING IOT" together with the Provisional and fee(s) of ₹1600 (One Thousand Six Hundred only).

- 1. In case of 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 9(1) of the Patent Act, 1970.
- 2. You may withdraw the application at any time before the grant of patent, if you with so. If, in addition to withdrawal, you also wish to pravent the publication of application in the Patent Office Journal, the application should be withdrawn within fifteen months from the date of priority of date of filing,
- 3. If not withdrawn, your application will be published in the Patent Office Journal after eighteen months from the date of priority of date of filing, whichever is
- 4. If you with to get your application examined, you should file a request for examination in Form-18 within 48 months from the date of priority or date of filing, whichever is earlier, failing which the application will be treated as withdrawn by the applicant under Section 11(B)(4) of the Patent Act, 1970.

(For Controller of Patents)

Albert CN Dr. ABHILASH CN

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FORM 1 THE PATENTS ACT 1970 (39 of 1970) & The Patent Rules, 2003 APPLICATION FOR GRANT OF PATENT (See section 7, 54 & 135, and rule 20(1))					iling	ation No: Date: nt of fee pa lo:	SE ONLY)	
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DR. SAVITHA G		Indian				Hoi No.	use	Associate Professor Dept of CSE, R V Institute of Technology and Management	

INTERNATIONAL APPLICATION FILED UNDER PATENT CO-OPERATIVE TREATY International application number International filing date IN CASE OF DIVISIONAL APPLICATION FILED UNDER SECTION 16, PARTICULARS OF ORIGINAL (FIRST) APPLICATION Original (first) application number Date of filing of Original (first) 11. IN CASE OF PATENT OF ADDITION FILED UNDER SECTION 54, PARTICULARS application OF MAIN APPLICANT OR PATENT Main application/ Patent Number Date of Filing of main application 12. DECLARATIONS i) Declaration by the inventor(s) (In case the applicant is an assignee: the inventor(s) may sign herein below or the applicant may upload the assignment or enclose the assignment with this application for patent or send the assignment by post/ electronic transmission duly authenticated within I/We, the above named inventor(s) is/are the true and first inventor(s) for this invention and declare that the applicant(s) herein is/are my/our assignee or legal representative. i) (a) Date: 28-04-2021 (b) Signature of the inventor: © Name: DR. MANJUNATH SWAMY B E (a)Date: 28-04-2021 White (b) Signature of the inventor: © Name: MRS. ASHA KRISHNA (a)Date: 28-04-2021 (b) Signature of the inventor: © Name: SHALINI RAMANATHAN (a)Date: 28-04-2021 (b) Signature of the inventor: © Name: DR. SHIVAKUMAR DALALI

(a)Date: 28-04-2021 (b) Signature of the inventor: © Name: RAJASHEKHAR U (a) Date: 28-04-2021 - Alexander Com (b) Signature of the inventor: © Name: DR. ABHILASH C N (a)Date: 28-04-2021 (b) Signature of the inventor: © Name: DR. SUNILKUMAR G (a)Date: 28-04-2021 (b) Signature of the inventor: © Name: DR. SAVITHA G (a) Date: 28-04-2021 (b) Signature of the inventor: © Name: DR. B N SHANKARGOWDA ii) Declaration by the applicant(s): I/We, the applicant hereby declares that:-☐ I/We am in possession of the above mentioned invention. ☐ The provisional/complete specification relating to the invention is filed with this ☐ The invention as disclosed in the specification uses the biological material from India and the necessary permission from the competent authority shall be submitted by me/us before the grant of the patent to me/us.

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We hereby declare that to the best of our knowledge, information, and belief that the fact and matters stated herein are correct and we request that a patent may be granted to us for the said invention Dated this 26th day of April, 2021.

For NEJAKAR TECHNOLOGIES, HAVERI

Authorized Signatory:

Name in full: Santosh M Nejakar

Designation: Executive Director, Nejakar Technologies, Haveri.

Seal:

Executive Director Nejakar Technologies, Haveri.

To, The Controller of Patents, Patent Office Chennai, Chennai – 600 032.









Controller General of Patents, Designs and Trademarks Department of Industrial Policy and Promotion Ministry of Commerce and Industry

Design Application Details

Application Number:

341061-001

Cbr Number:

201824

Cbr Date:

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Applicant Name:

1. Dr. Kedri Janardhana

2. V Kiran Kumar

3. Dr.S.Thavamani

4. U Sinthuja

5. Dr.K.Kishore

6. Dr.K.Tharini

7. Dr. Nirmala Baby

8. Dr.G.Nandini

10. Dr.T.G.Shejo

11. V.Sandhya

12. I.Rajeswari

13. Zatin Gupta

9. Dr.T.Kiruthiga

14. Dr.C.Arunkumar Madhuvappan

15. S Nithyananthi

Design Application Status

Application Status:

Examination Report has been Generated ,Case is Waiting for Examination Report Reply (FER generated on

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Disclaimer: Application status is available for the application filed on or after 1st April 2009 with application no 222230. The information under " Design Application Status" is dynamically retrieved and is under testing, therefore the information retrieved by this system is not valid for any legal proceedings under the Design Act 2000. In case of any discrepancy you may contact the appropriate Patent Office or send your

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V. Kiran Kumar.

Head of the Department

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$FORM-1 \\ Application \ for \ Registration \ of \ Designs. \\ Sections \ 5 \ and \ 44$

You are requested to register the acc	companying in;
Class No in the name, ;	
Dr. Kedri Janardhana	Dr. Kedri Janardhana, Assistant Professor (Senior Grade), Department Of Electrical Engineering, Faculty Of Engineering, Dayalbagh Educational Institute (Deemed To Be University), Dayalbagh, Agra, Uttar Pradesh-282005
V Kiran Kumar	Assistant Professor, Department Of Ise, Sjb Institute Of Technology Bgs Health And Education City, Kengeri Uttarahalli Road ,Bengaluru 560060. Karnataka
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U Sinthuja	Sri Ramakrishna College Of Arts And Science (Autonomous), [Formerly Snr Sons College], Avinashi Road, Nava India, Coimbatore-641006
Dr.K.Kishore	Dr.K.Kishore, Assistant Professor Of Commerce, Voorhees College, Vellore-632001. Tamilnadu. India
Dr.K.Tharini	Government Arts College, Trichy-22
Dr. Nirmala Baby	Christian College Of Engineering And Technology, Oddanchatram, Dindigul (Dt), Tamil Nadu, India – 624 619
Dr.G.Nandini	Sns College Of Technology, Sathy Main Road,Cbe-641035
Dr.T.Kiruthiga	St.Joseph's College For Women, Kangeyam Road Tirupur-4.
Dr.T.G.Shejo	St.Joseph's College For Women, Kangeyam Road, Tirupur-641 604.
V.Sandhya	Sns College Of Technology, Sns Kalvi Nagar, Nh 209. Sathy Main Road, Vazhiyampalayam, Saravanampatti (Post), Coimbatore,



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Search Results

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nul	Application number	Title	Applicant(s)	Inventor(s)	Filing	Application
1	2021102421	Multiple Company Mobile	Sumithe DD, Martin Co, Rajesti DR, Manoj,	Rajesh; Manoj, Sumitha; G. Murali; B.S.	2021- 05-09	REFUSED
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Head of the Department
Dept. of Information Science & Engineering
S.J.B. Institute of Technology

Kengeri, Bangalore-560 060.



(19) INDIA

(22) Date of filing of Application :29/07/2021

(21) Application No.202141034157 A

(43) Publication Date: 13/08/2021

10)Dr. SRINIVASA RAO P

(54) Title of the invention : IOT AND CLOUD BASED SECURITY SYSTEM FOR SMART VEHICLE

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date 37) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	A61B0005117000, E05G0005020000, G07C0009370000 :NA :NA :NA :PCT// :01/01/1900 : NA	(71)Name of Applicant: 1)Dr. CHAITRA H V Address of Applicant: ASSOCIATE PROFESSOR DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY P.B.NO. 6429, NITTE MEENAKSHI COLLEGE RD, BSF CAMPUS, YELAHANKA, BENGALURU, KARNATAKA 560064 Karnataka India 2)Dr. MADHU PATIL 3)Dr. MANJULA B M 4)Dr. MOHAN H.S. 5)Dr. BINDIYA M K 6)Ms. AKANKSHA SONI 7)Mr. SURAJ S 8)Dr. DANKAN GOWDA V 9)Dr. ANSUMAN SAMAL 10)Dr. SRINIVASA RAO P (72)Name of Inventor: 1)Dr. CHAITRA H V 2)Dr. MADHU PATIL 3)Dr. MANJULA B M 4)Dr. MOHAN H.S 5)Dr. BINDIYA M K 6)Ms. AKANKSHA SONI 7)Mr. SURAJ S 8)Dr. DANKAN GOWDA V 9)Dr. ANSUMAN SAMAL
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(57) Abstract:

ABSTRACT IOT AND CLOUD BASED SECURITY SYSTEM FOR SMART VEHICLE This innovation identifies with open our vehicles by utilizing our unique mark as key and to detect our cars wellbeing in versatile, PC or some other electronic contraptions utilizing IOT. It is exceptionally protected control of the vehicles from other individual on the grounds that, the thought suggested in this innovation is like a versatile's unique finger impression lock. Today, innovation has made the incredible and unthinkable things conceivable and significantly decreased labor additionally tackled serious issues in ventures and gave high benefit for enterprises. Innovation has additionally tackling a lot of everyday life issues. The primary saying of this task is to get mindfulness from autos robbery. To start with, this undertaking is mix of a few plans to make things protected, basic, practical well disposed. In any case, this novation is truly outstanding and less difficult for establishment and harder for robbers who attempt to take our vehicles. One degree of guaranteeing verification of a vehicle through a biometric sensor, the standard of the task is EMBEDDED SYSTEM and BIOMETRIC. Unapproved access is denied by planning a lock that stores the fingerprints of at least one approved clients according to prerequisite. The finger impression is detected by sensor and is approved for confirmation. On the off chance that the unique finger impression coordinates, the entryway will be opened naturally, in any case the ringer associated with a sound intensifier will be initiated so individuals close to environmental factors will get an alarm. The utilization of GSM MODULE assists the client with recognizing the movement through instant message, advising the client.

No. of Pages: 28 No. of Claims: 6

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Otta: Dr. Paritabais. Ramya. B.K

Head of the Department Dept. of Information Science & Engineering S.J.B. Institute of Technology Kengeri, Bangalore-560 060.

Department of Electronics and Communication Engineering

Patent Details								
Sl. No.	Title/Name of IP (Patent Only)	IP Registration Number of Patent	Date of Patent IP Filed (Month, Year)	Application Level	Status (Filed/Granted)			
1	An Ai Enabled Prosthetic Arm for Rehabilitation And Advanced Arm Dynamics	202241045887 A	11-08-2022	Engineering & Technology	Published			
2	Smart Phone Based System for Attendance Registration with Handwriting Recognition And Method Thereof	202111030890 A	09-07-2021	Engineering & Technology	Granted			
3	An Unmanned Automatic Lawn-Mower Assembly	20571/2021-CO/L (Copyright)	26-08-2021	Engineering & Technology	Copyright			
4	Real Time Traffic Management System Using Machine Learning and Image Processing	2021105151	09-08-2021	Engineering & Technology	Published			
5	A Method for Controlling Fluid Flow and A Fluid Flow Control System	201641005548	27-10-2021	Engineering & Technology	Published			
6	AI Based Smart Meter for Water Utilization And Quality Monitoring Using IoT	2021105136	09-08-2021	Engineering & Technology	Published			
7	A Method for Controlling Acoustic Noise In Switched Reluctance Motor	202141049065 A	27-10-2021	Engineering & Technology	Published			
8	Gaze Controlled Electric Iron Box	20222041046240A	23-10-2020	Engineering & Technology	Published			

Department of Electronics and Communication Engineering

9	Method For Diagnose and Management Of Faults In Smart City Cleanliness Administration Using Self-Ada	202141010921	15-03-2021	Engineering & Technology	Published	
10	A Power Quality and Demand Side Management System For A Smart Grid Using Machine Learning For Providing Efficient Resource Utilization And The Method Thereof	202141022163 A	17-05-2021	Engineering & Technology	Published	
11	IoT Based Automated System for Freeway Framework 3	202141039583 A	01-09-2021	Engineering & Technology	Published	
12	Apparatus And a Method for Beamforming Using Phased Array Antenna	202141035802 A	09-08-2021	Engineering & Technology	Published	
13	Electronic Nose System for Food Applications	201941027652 A	10-07-2019	Engineering & Technology	Published	
14	Development Of Virtual Monitoring and Mechanism for Renewable Energy Sources Embedded With IoT	202121059926 A	22-12-2022	Engineering & Technology	Published	
15	A Method and System for External Car Washing By Using Arduino	2021105725	07-08-2021	Engineering & Technology	Granted	
16	Artificial Speaking IoT Based Talking Hand an Assistive Device For Dumb People In Regional Language Kananda	2021103792	07-01-2022	Engineering & Technology	Granted	

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SJB Institute of Technology

Bengaluru-560060

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OFFICIAL JOURNAL OF THE PATENT OFFICE

निर्गमन सं. 33/2022 ISSUE NO. 33/2022

शुक्रवार FRIDAY दिनांकः 19/08/2022

DATE: 19/08/2022

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पेटेंट कार्यालय का एक प्रकाशन PUBLICATION OF THE PATENT OFFICE

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The Patent Office Journal No. 33/2022 Dated 19/08/2022

51626

(19) INDIA

(22) Date of filing of Application: 11/08/2022

(21) Application No.202241045887 A

(43) Publication Date: 19/08/2022

(54) Title of the invention: An AI Enabled Prosthetic Arm for Rehabilitation and advanced arm Dynamics

(51) International classification A61F0002720000, A61B0005047600 :A61B0005000000, G06F0003010000, A61F0002580000,

(86) International Application

·PCT// :01/01/1900

Filing Date

(87) International Publication

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

Filing Date

:NA :NA

10)Dr. D N Chandrappa Name of Applicant: NA Address of Applicant : NA

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5)R Siddushree Taralabalu

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Address of Applicant :Assistant Professor, Dept. of ECE SJBINSTITUTE

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(57) Abstract

ABSTRACT: By using the brain's output pathway, BCI allows commands and messages to be sent to the arm. Numerous different physiological signals can be used to run BCI devices. Many BCI systems have intricate architectures that need lengthy processing. The most common input for BCI applications is the Motor Imagery-EEG signal, however EEG is frequently tainted with noise. Few research has shown actual BCI control of a prosthetic device, despite suggestions that this control can be used for neuroproteins. In this experiment, a motor imagery BCI that uses an electroencephalogram (EEG) to guide the movement of a prosthetic hand is demonstrated. To give haptic feedback and local machine control, the hand was instrumented with force and angle motors. Motor Imagery (MI) is now highly adapted to control machine or computer by interfacing with brain or mind. This proposes a method to differentiate elbow, wrist, and finger motor imagery movement according to two and three class classification using statistical features of the EEG signal of the subjects. For this purpose, the collected EEG signals of TWO subjects are segmented and feed to classification methods, which decomposes each EEG segmented signal to collect the relevant features and classifies the movement class trials data. Comparing the classifiers' efficiency allows us to determine the best method for a given number of features.

No. of Pages: 6 No. of Claims: 5

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The Patent Office Journal No. 33/2022 Dated 19/08/2022

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application:09/07/2021

(21) Application No.202111030890 A

(43) Publication Date: 30/07/2021

(54) Title of the invention: SMART PHONE BASED SYSTEM FOR ATTENDANCE REGISTRATION WITH HANDWRITING RECOGNITION AND METHOD THEREOF

(51) International classification	:G06Q0010100000, G06Q0050200000, G07C0001100000, G06K0009000000,
(21) Priority Dogument No.	G07C0001120000
(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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4)SHAHABADKAR, KRUTIKA RAMESH

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6)BOLUGALLU, SHANTHI MANDEKOLU

7)YADAHALLI, RAVI MALLESHAPPA

8)MOHAPATRA, SASMITA 9)PARIMI, PHANINDAR RAVI

10)MUNIRATHNAM, LAKSHMINARAYANA

11)KIRESUR, MANJULA VASANT

12)SIDDARAJU, NANDINI KANDAVARA

(72)Name of Inventor:

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9)PARIMI, PHANINDAR RAVI

10)MUNIRATHNAM, LAKSHMINARAYANA

11)KIRESUR, MANJULA VASANT

12)SIDDARAJU, NANDINI KANDAVARA

(57) Abstract:

The invention relates to a smart phone based system and method for attendance registration within a campus. The system comprises an attendance registration module installed in the smart phone (220); and an attendance server (230) storing an attendance database being in a wireless communication mode (235) with the attendance registration module. The attendance registrant (210) has to initiate his/her attendance registration process by using his/her smart phone when reaches his/her campus (200). The registration module is configured to receive from the server (230) a one time random phrase (OTRP) to be displayed in a screen of the smart phone (220), thereafter the attendance registrant (210) is requested though a message to write the OTRP on paper whose image is to be sent to the server (230) using the same smart phone (220). The server (230) is configured to check location of the attendance registrant (210) using GPS and the authenticity of his/her handwriting image through an artificial intelligence tool (400), which allows the attendance database to be updated and simultaneously an attendance status message to be sent to the smart phone (220).

No. of Pages: 16 No. of Claims: 6

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Extracts from the Register of Copyrights



Dated: 21/12/2021

- Registration Number
- Name, address and nationality of the applicant

Nature of the applicant's interest in the copyright of the work

Name, address and nationality of the author and if the author is

Class and description of the work

Title of the work

Language of the work

deceased, date of his decease

Par Cum A.

L-109564/2021

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- DR.M J CHANDRASHEKAR, ASSOCIATE PROFESSOR, DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, SJB INSTITUTE OF TECHNOLOGY, NO.67, PROSE HEALTH AND EDUCATION CITED (NO.67). BGS HEALTH AND EDUCATION CITY, KENGERI, BENGALURU-60-INDIAN
- MR.J.JABINTH , ASSISTANT PROFESSOR, MECHANICAL ENGINEERING, RAMCO INSTITUTE OF TECHNOLOGY, RAJAPALAYAM-
- DR. SUPREETH H S G , ASSOCIATE PROFESSOR,
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- OWNER
- LITERARY/ DRAMATIC WORK AN UNMANNED AUTOMATIC LAWNMOWER ASSEMBLY
- AN UNMANNED AUTOMATIC LAWNMOWER ASSEMBLY
- **ENGLISH**
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BGS HEALTH AND EDUCATION CITY, KENGERI,
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SJB Institute of Technology Bengaluru-560060

MR.J.JABINTH, ASSISTANT PROFESSOR, MECHANICAL ENGINEERING, RAMCO INSTITUTE OF TECHNOLOGY, RAJAPALAYAM-

DR. SUPREETH H S G , ASSOCIATE PROFESSOR

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 If the work is an 'Artistic work', the location of the original work, including name, address and nationality of the person in possession of the work. (In the case of an architectural work, the year of completion of the work should also be shown).

N.A.

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If the work is an 'Artistic work' which is used or capable of being used in relation to any goods or services, the application should include a certification from the Registrar of Trade Marks in terms of the provision to Sub-Section (i) of Section 45 of the Copyright Act,

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If the work is an 'Artistic work', whether it is registered under the Designs Act 2000 if yes give details.

If the work is an 'Artistic work', capable of being registered as a design under the Designs Act 2000 whether it has been applied to an article though an industrial process and ,if yes ,the number of times it is reproduced.

N.A.

17. Remarks, if any

Diary Number:

20571/2021-CO/L

Date of Application:

26/08/2021

Date of Receipt:

26/08/2021

Can: Cuesar A.V.

Dept. of Electronics & Communication Eng SJB Institute of Technology

Bengaluru-560060



CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021105151

The Commissioner of Patents has granted the above patent on 1 June 2022, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Nataraj Swamy of Don Bosco Institute of Technology, Kumbalagodu, Bangalore Bangalore 560074 India Santosh M Nejakar of Don Bosco Institute of Technology, Outer Ring Road Bengaluru Karnataka 560072 India Rekha R of Professor, Dept of ECE, SJBIT, Kengeri Bangalore 560060 India

Sheela S of Assistant Professor, Don Bosco Institute of Technology, Bangalore Bengaluru KARNATAKA 560074

Title of invention:

REAL TIME TRAFFIC MANAGEMENT SYSTEM USING MACHINE LEARNING AND IMAGE PROCESSING

Name of inventor(s):

Swamy, Nataraj; Nejakar, Santosh; R., Rekha and S., Sheela

Term of Patent:

Eight years from 9 August 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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Rene

Dated this 1st day of June 2022

Commissioner of Patents



July 13, 2016

THE CONTROLLER OF PATENTS

Intellectual Property Office Intellectual Property Office Building G.S.T. Road, Guindy, Chennai-600032

UPLOADED ONLINE CONFIRMATION **BY POST**

Phone: 044-22502081-84 Fax: 044-22502066

E-mail: Chennai-patent@nic.in

Re:

Indian Complete Patent Application No. 201641005548

Filed on: 17-02-2016

Title: "A METHOD FOR CONTROLLING FLUID FLOW AND A FLUID FLOW

CONTROL SYSTEM THEREOF"

Applicant: SJB INSTITUTE OF TECHNOLOGY, RAMESH PRAKASH GULEDGUDD

and NATARAJ RAMASWAMY Our Ref: IP33559/VS/ev

Dear Sir,

We write with reference to the aforesaid Indian Patent Application, wherein we would like to submit as under.

The present application was filed at the Indian Patent Office SJB INSTITUTE OF TECHNOLOGY, RAMESH PRAKASH GULEDGUDD and NATARAJ RAMASWAMY as applicants and RAMESH PRAKASH GULEDGUDD as inventors. However, the applicant and inventors would like to add the below mentioned person as co-inventor whose names were inadvertently omitted in the application forms while filing the application.

- 1. NATARAJ RAMASWAMY
- 2. REKHA KR

In this regard, the applicant respectfully submits herewith the following:

1. An 'Affidavit', duly executed by the existing inventors and applicant declaring their consent/ground for addition of co-inventors listed above in the application;

K&S PARTNERS

4121/B, 6th Cross, 19A Main, HAL II Stage (Extension), Bangalore 560038, India Tel:+ 91 (80) 40427900 Fax: +91 (80) 4042 7901 E-Mail: bangalore@knspartners.com; Website: www.knspartners.com

Also at Gurgaon l Hyderabad l Mumbai l New Delhi

Pell

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- 2. An 'Affidavit' executed by the inventors to be added as co-inventors declaring the ground for adding them as co-inventors in the application.
- 3. Fresh Form 5 duly executed by the additional inventor; and

We respectfully request the learned Controller to take the above documents on record and proceed further in this matter.

Yours faithfully,

NIKHIL S.R

of K & S Partners

Agent for the Applicant Enclosures: As above.

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Dept. of Electronics & Communication Enga

FORM 30

THE PATENTS ACT ,1970 (39 of 1970) and

THE PATENTS RULES, 2003

TO BE USED WHEN NO OTHER FORM IS PRESCRIBED

[See sub-rule (2) of Rule 8]

 Name of the applicant(s). 	SJB INSTITUT	E OF TECHNOLO	GY	
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	City State Country Pin code	Bangalore Karnataka India 560060	Fax No. E-mail ID	+91-80-40427901 bangalore@knspartners.com
1. Name of the applicant(s).	RAMESH PRA	KASH GULEDGU	DD	
2. Complete address including postal index number/code and State along with e-mail ID, telephone, mobile and fax number.	House No. Street	C/o Electronics and Communicati on Engineering Department, SJB INSTITUTE OF TECHNOLOG Y, BGS Health and Education city, Uttarahalli Main Road,	Telephone No. Mobile No.	+91-80-40427900 +91 7349778249

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6. Details of request	and applicar	nts and executed	Form 5 by al	tor and additional inventors I the inventors is uploaded final, is being sent via post.
5. Purpose of request	application I	No. 20164100554	8	KR as inventors for the
4. Relevant section / rules	Section 57 a	nd Rule 81(1)		
3. Application No. / Patent No.	2016410055	48		
2 Application No. / D	Pin code	560060	E-mail ID	bangalore@knspartners.com
	City State Country	Bangalore Karnataka India	Fax No.	+91-80-40427901
		adjacent to Abhiman Studio, Kengeri		
		city, Uttarahalli Main Road,	•	
		and Education		
		INSTITUTE OF TECHNOLOG Y, BGS Health		
		Engineering Department, SJB		
ID, telephone, mobile and fax number.		Communicati on .		1027010770243
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1. Name of the applicant(s).	NATARAJ RA			
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		adjacent to Abhiman Studio, Kengeri	*	

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Dept. of Electronics & Communication Eng SJB Institute of Technology Bengaluru-560060

7. To be signed by applicant		
	Signature Stikhim	
8. Name of the natural person who has signed along with designation and official seal, if any.	NIKHIL S. R. OF K & S PARTNERS AGENT FOR THE APPLICANT(S) IN/PA-2127	
	To The Controller of Patents, The Patent Office, At Chennai	

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17 August 2021

Notice of filing for your innovation patent application

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ABN: 38 113 072 755

Santosh M Nejakar

Don Bosco Institute of Technology Outer Ring Road Bengaluru Karnataka 560072 India

Application number

2021105136

Applicant name

Santosh M Nejakar

Dear Applicant,

Thank you for filing an innovation patent application with IP Australia.

Your innovation patent application number is: 2021105136

Your filing date is: 9 August 2021

What you need to do now

 Check your details – attached to this letter are the details of your application. Please review your details to ensure they are correct.

What will happen next

- If your application is in order your innovation patent will be accepted and granted within four weeks of your filing date. If there are any outstanding matters, we will contact you.
- If the filing fee has not been paid an Invitation To Pay will be issued to you.

Your progress

0

ilea

Application is filed

Acceptance and Grant

Application is accepted and patent granted

Examination

Patent is being examined

Certification

Patent is certified (patent is now enforceable)

Renewal

Renewal fees required to maintain patent (fees are due annually- please refer to the 'paid to' date in AusPat for

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Dept. of Electronics & Communication Eng SJB Institute of Technology Bengaluru-560060

Things to be aware of

- Please note that the filing of this application does not entitle you to claim that a patent has been granted at this stage.
- Please quote your application number when contacting IP Australia or making payments.

Details of your patent application can be viewed on AusPat, our Australian patent search database.

Yours sincerely,

IP Australia

Rent

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Dept. of Electronics & Communication Eng SJB Institute of Technology Bengaluru-560060

Your application summary

Innovation patent application details

Application number:

2021105136

Title:

Al Based Smart Meter for Water Utilization and Quality Monitoring Using

IoT

Documents filed

A complete specification comprising:

- Description
- Claim(s)
- Drawing(s)

An abstract has also been filed.

Applicant and inventor details

Applicant name(s) and address(es) (as it will appear on certificate/s):

Santosh M Nejakar of Don Bosco Institute of Technology, Outer Ring Road Bengaluru Karnataka 560072 India

Inventor name(s):

K. R., Nataraj Swamy

Nejakar, Santosh M. U. Kumar, Rehka K. R.

Agent details

Agent Name

Santosh M Nejakar

Address for correspondence:

Don Bosco Institute of Technology

Outer Ring Road

Bengaluru Karnataka 560072

India

Address for legal service:

9, Greengate Close

North gate

north gate SA 5085

Australia

Priority details

Priority details:

None

Relevant dates

Filing date:

9 August 2021

Date of patent:

9 August 2021

Expiry date:

9 August 2029

Rent

Dept. of Electronics & Communication Engg SJB Institute of Technology

Bengaluru-560060



FORM 1
THE PATENTS ACT, 1970
(39 of 1970)
&
The Patents Rules, 2003

APPLICATION FOR GRANT OF PATENT
[See section 7, 54 & 135 and sub rule 1 of rule 20]

	(FÛI	K OFFI	CE USE ONLY)	
application number:	202	14	1049065	
iling date:	27	10	2021	
Amount of fee paid:	1:	150	1-	

CBR No: 40176

1. APPLICANT'S	REFERENCE /	IDENTIFICATION NUI	MBER (as
allotted by offic			•

2. TYPE OF APPLICATION (Please click (/) at the appropriate category)

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

3. APPLICANT(S)

Name in full	Nationality	Country of Residence	Addr	ess of the Applicant
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			State	Karnataka
		Country		India
			Pin code	560060
	INDIAN	INDIA	House No.	Professor Department of Electrical and Electronics
Dr. Mamatha Mahesh Gowda			Street	SJBIT
DI. Wallatila Wallesii GOWQa			City	Bangalore
			State	Karnataka
			Country	India
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			Country	India
			Pin code	560060

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Head

1 1 : 3 egt. of Electronics & Communication Engage
SJB Institute of Technology
Bengaluru-560060 TENT OFFICE CHENNAI 01/11/2021

B. CATEGORY OF APPLICANT (P	lease click () at the	e appropriat	e category	1	
			ral person			
latural person (✓)	Small enti	ity()				Others ()
. INVENTOR(S)(Please click (🗸)	at the approp	oriate o	category)			
Are all the inventor(s) same as the applicant(s) named above? Yes (✓)					No ()
"No", furnish the details of the	inventor(s)					
. TITLE OF THE INVENTION						
METHOD FOR CONTROLLING A	COUSTIC NOI	SE IN S	WITCHED RI	ELUCTANC	E MOTO	OR ·
			IN/PA No.			
AUTHORISED REGISTERED PAT	ENT AGENT(S	+	Name			
			Mobile No.			
			NAME	REK	HAPS	
. ADDRESS FOR SERVICE OF APP	FICANT IN INV	DIA	Postal Addr	ess Dep SJBI Karr		
THE STOR SERVICE OF AFF	LICAINI IIN IINE	DIA	Telephone I		3000	00.
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			Email ID	rekh	as.venk	catesh@gmail.com
IN CASE OF APPLICATION CLAIR	MING PRIORIT	TY OF A	APPLICATION	FILED IN	CONVE	NTION COUNTRY,
Ountry Application Sili	ng Date	Name	of the	Title of th	e	IPC (as classified in the
number	ng bate	inven	tion	Invention		convention country)
IN CASE OF PCT NATIONAL PHA	SE APPLICATI	ION, P	ARTICULARS	OF INTER	NOITA	AL APPLICATION FILED
ternational application number	NEMIT (PGI)		Internation	al filing da	te	
				9		
HIN CASE OF DIVISIONAL APPLI	CATION FILED	UNDE	R SECTION 1	6, PARTICI	JLARS (OF ORIGINAL (FIRST)
riginal (first) application No.			Date of fills	ng original	(first) a	polication
IN CASE OF PATENT OF ADDITI	ON, FILED UN	DER SE	CTION 54, P	ARTICULA	RS OF A	AAIN APPLICATION OR
ain application/patent No.			Date of filin	g of main	applicat	tion

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :23/10/2020

(21) Application No.202041046240 A

(43) Publication Date: 30/10/2020

(54) Title of the invention: GAZE CONTROLLED ELECTRIC IRON BOX

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	(71)Name of Applicant: 1) Dr.NAGARAJA B.G. Address of Applicant: DEPT. OF E&CE, JAIN INSTITUTE OF TECHNOLOGY, DAVANGERE-577003. Karnataka India 2)Dr. ARUN KUMAR G 3)Dr. SPOORTI J JAINAR 4)Dr. RAJASHEKHAR B SOMASAGAR 5)Dr.SOMASHEKAR K 6)Mr. VIKAS C. YATNALLI (72)Name of Inventor: 1)Dr. H. S. JAYANNA 1:NA 2)Dr. C.M. PATIL 1: NA 2)Dr. GEETHASHREE A. 1:NA 3:NA 4)Mr. SHARANABASAVESHWARA H B 5:NA 5:Dr. BASAVARAJ G M 1:NA 6)Dr. T. C. MANJUNATH 7)Mr. VIKAS C. YATNALLI 8)Dr. SOMASHEKAR K 9)Dr. RAJASHEKHAR B 10)Dr. SPOORTI J JAINAR 11)Dr. ARUNKUMAR G
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(57) Abstract:

The proposed invention generally relates to the design and development of a gaze controlled electric iron box circuitry to avoid accidental burning of clothes during clothes ironing or clothes pressing process. The operation of the iron box circuitry involves the process of continuous monitoring of positions, movements, and user attentions associated with the iron box during the process of ironing or pressing. The iron box circuitry automatically controls or disables the power supply to the iron box if any discrepancy is found in combination with the said position, movement, and user attention associated with the iron box to avoid the accidental burning of the clothes.

No. of Pages: 17 No. of Claims: 10

Dept. of Electronics & Communication Eng SJB Institute of Technology Bengaluru-560060

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Office of the Controller General of Patents, Designs & Trade Marks Department of Industrial Policy & Promotion, Ministry of Commerce & Industry, Government of India

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



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

	Application Details
APPLICATION NUMBER	202141010921
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	15/03/2021
APPLICANT NAME	 Dr. Aravinda H.S. Dr. Mallikarjunaswamy S. Neela A.G. Komala M. Umashankar M.L. Pooja S. Dr. Premananda B.S. Ms. Geetha K. Dr. Suhasini Vijayakumar Kottur Dr. Bharati Wukkadada Dr. Praveen N. Dr. Srinivas G. Mr. Sreekanth N. Dr. Manjula Sanjay Koti Dr. Pavithra G. Dr. Pavithra G. Dr. T.C.Manjunath
TITLE OF INVENTION	METHOD FOR DIAGNOSE AND MANAGEMENT OF FAULTS IN SMART CITY CLEANLINESS ADMINISTRATION USING SELF-ADAPTIVE MACHINE LEARNING
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	1990uditmamodiya@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	Dept. of Electronics & Communication

19/03/2021

PUBLICATION DATE (U/S 11A)

SJB Institute of Technology

Bengaluru-560060

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application: 17/05/2021

(21) Application No.202141022163 A

(43) Publication Date: 11/06/2021

(54) Title of the invention: A POWER QUALITY AND DEMAND SIDE MANAGEMENT SYSTEM FOR A SMART GRID USING MACHINE LEARNING FOR PROVIDING EFFICIENT RESOURCE UTILIZATION AND THE METHOD THEREOF

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vaspura-Post,
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(57) Abstract:

Abstract: Title: A Power quality and demand side management System for a smart grid Using Machine Learning for providing efficient resource utilization and the method thereof Electricity plays a crucial role in different sectors of the nation including national security, economy, agriculture and healthcare. The design of the power system has been revolutionized by the incorporation of communication technology. This makes the grid smart. Several issues have been addressed in order to make the utility grid smart. In this work, an enhanced algorithm for Power Quality and demand side management (PQDSM) has been proposed using the machine learning for a smart grid. The proposed algorithm ensures sufficient usage of the energy depending on the priorities allocated in the grid. To effectively control the intrusions into the smart grid, a reconfigurable model has been proposed. The recent agent helps in identifying the dishonest entities by making use of the machine learning classifier. The energy utilization can be made optimal by having the accurate information about the energy using the advanced Energy Management along with the interface controlling agents. The proposed scheme has been tested using an efficient simulation tool. From the evaluation, the results revealed that the proposed power quality and demand side management scheme is less vulnerable to any dishonest entity intrusion and optimizes the power utilization in the smart grid. Figure 1

No. of Pages: 27 No. of Claims: 10

Dept. of Electronics & Communication Eng-SJB Institute of Technology Bengaluru-560060

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/09/2021

(21) Application No.202141039583 A

(43) Publication Date: 10/09/2021

(54) Title of the invention: IOT BASED AUTOMATED SYSTEM FOR FREEWAY FRAMEWORK 3

(71)Name of Applicant:

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B01D0046240000, Karnataka India

G06Q0050260000, G06Q0050100000,

:H04L0029080000

G05B0019040000 :NA

:NA

:NA

:NA

:NA

(31) Priority Document No
(32) Priority Date
:NA
(33) Name of priority country
:NA
(86) International Application No
Filing Date
:NA
(87) International Publication No
:NA

(61) Patent of Addition to Application Number Filing Date

(51) International classification

(62) Divisional to Application Number Filing Date

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4)Dr. S. VIMAL 5)Mrs. BLESSY Y M

6)Dr. SHILPA K GOWDA

7)Dr. MUKESH KUMAR GUPTA 8)Mrs. JAYASHREE M KUDARI 9)Mrs. ADLIN JEBAKUMARI S 10)Dr.ARUNKUMAR G L

(72)Name of Inventor:

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10)Dr.ARUNKUMAR G L

(57) Abstract:

ABSTRACT IOT BASED AUTOMATED SYSTEM FOR FREEWAY FRAMEWORK 3 Internet of Things (IoT) is by and large the organization of 'things' through which actual things can empower to communicate information with the help of hardware, sensors, programming and network. Additionally, These IoT doesn't needed any human interface. IoT Technology is broadly applied in enormous businesses including Energy, medical services and all the more significantly Transportation areas. In this undertaking, the information of the RFID card is shipped off the site, through IOT. The use of IoT cost collection structure in various metropolitan regions would be a compelling development towards the blockage of the city avenues in profound stop up of traffic. Clearly, transportation is the strength of our country's economy. There are diverse execution, shows in far off sensor association, for instance, filter c and parts, including RFID, NFC in this way engaging abatement in action costs and prodding credit just trades. In the event that there ought to emerge an event of manual expense arrangement structure time use is much undeniably more horrible similarly as fuel depletion and most critical is the environment, the proportion of air tainting that is made at the tollbooth site is at verifiable level, so our made system will reduce time wastage and decrease air pollution just as screen fuel. The sole inspiration driving this innovation is to diminish the challenges achieved by manual expense combination system and pass the subject's vehicle through cost limit in an issue of few seconds without end.

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

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The Patent Office Journal No. 37/2021 Dated 10/09/2021



- (12) PATENT APPLICATION PUBLICATION
- (19) INDIA
- (22) Date of filing of Application :09/08/2021

(21) Application No.202141035802 A

(43) Publication Date: 20/08/2021

(54) Title of the invention: APPARATUS AND A METHOD FOR BEAMFORMING USING PHASED ARRAY ANTENNA

		(TIN)
		(71)Name of Applicant :
	227722230300	1)Dr. ANITHA P
	:H01Q0021060000,	
	H04B0007060000,	DEPARTMENT OF ECE SJB INSTITUTE OF TECHNOLOGY,
(51) International classification	H01Q0009160000,	KENGERI, BANGALORE, KARNATAKA, INDIA, 560060
	H01P0001180000,	Karnataka India
	H01Q0021000000	2)Dr. KUMUTHA D
(31) Priority Document No	:NA	3)Dr.R. KALYAN
(32) Priority Date	:NA	4)JAYANTHI K
(33) Name of priority country	:NA	5)PROF. B. ANURADHA
(86) International Application No	:NA	6)PAVITHRA NEELAM
Filing Date	:NA	7)Dr. PURUSHOTHAM PRASAD KALISETTI
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1) Dr. ANITHA P
Number	:NA	2)Dr. KUMUTHA D
Filing Date	.INA	3)Dr.R. KALYAN
(62) Divisional to Application Number	:NA	4)JAYANTHI K
Filing Date	:NA	5)PROF. B. ANURADHA
		6)PAVITHRA NEELAM
(CT) Al.		7)Dr. PURUSHOTHAM PRASAD KALISETTI

(57) Abstract:

The present invention provides an apparatus for base station and a method for effective beam forming using phase array antenna in fifth generation communication network. Said apparatus (41) comprises of plurality of transceiver switches (42, 43), plurality of phase shifter (44), analog to digital converter (45) and a controller (51) wherein said apparatus is connected to a beamforming network (61).

No. of Pages: 20 No. of Claims: 7

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Dept. of Electronics & Communication Eng SJB Institute of Technology Bengaluru-560060 (12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application: 10/07/2019

(21) Application No.201941027652 A

(43) Publication Date: 02/08/2019

(54) Title of the invention: ELECTRONIC NOSE SYSTEM FOR FOOD APPLICATIONS

(51) International classification	:G01N1/24	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Manjunath Managuli
(32) Priority Date	:NA	Address of Applicant :Research Scholar, Department of
(33) Name of priority country	:NA	Electronics and Communication Engineering, R V College of
(86) International Application No	:NA	Engineering Mysore Road Bangalore-560059, India. Karnataka
Filing Date	:NA	India
(87) International Publication No	: NA	2)Dr. Abhay Deshpande
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Dr. Abhay Deshpande
(62) Divisional to Application Number	:NA	2)Manjunath Managuli
Filing Date	:NA	

(57) Abstract:

An electronic nose system for analyzing food based on a chemical reaction, comprising of plurality of chemical sensors and adhesive solutions, wherein methanol and ethanol behave differently when treated with iodine and sodium hydroxide solution.

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

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Bengaluru-560060

(12) PATENT APPLICATION PUBLICATION

(51) International classification :F21S0009030000, G09B0019000000, F03D0009320000, B32B0027060000, G06Q0050100000

:NA

:NA

·NA

:NA

(19) INDIA

(86) International Application

(87) International Publication

(61) Patent of Addition to

Filing Date

Application Number

Filing Date (62) Divisional to Application

Filing Date

Number

(22) Date of filing of Application: 22/12/2021

(21) Application No.202121059926 A

(43) Publication Date: 07/01/2022

(54) Title of the invention: DEVELOPMENT OF VIRTUAL MONITORING AND MECHANISM FOR RENEWABLE ENERGY SOURCES EMBEDDED WITH IOT

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3)Mr. RAHUL R RAI 4)Dr. BIRRU DEVENDRA

5)Dr. ASHOK KUMAR PS

6)Mr. DARSHAN B D

7)Mrs. LATHA S

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The Internet of Things has a dream where the web reaches out into this present reality, which fuses ordinary objects. The IoT permits objects to be detected or controlled somewhat over existing organization framework, making openings for unadulterated coordination of the actual world into PC based frameworks, and coming about in improved effectiveness, exactness and monetary advantage notwithstanding decreased human mediation. This innovation has numerous applications like Solar urban communities, Smart towns, Micro frameworks and Solar Street lights, etc. As Renewable energy developed at a rate quicker than some other time in history during this period. The proposed framework alludes to the on the web show of the power utilization of sunlight based energy as a sustainable power. This observing is done through raspberry pi utilizing jar system. Shrewd Monitoring shows day-by-day utilization of environmentally friendly power. This aides the client to examination of energy utilization. Examination affects the environmentally friendly power use and power issues. In this note, this present system exploits the Bluetooth interface of Android Tablet/Mobile phone as a correspondence associate for data exchange with mechanized gear of Power Conditioning Unit (PCU). The Low Cost Android tablet can substitute the graphical LCD outlines and web modem of RES Power Conditioning Unit (PCU) with overhauled graphical insight and contact screen

No. of Pages: 18 No. of Claims: 6

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Dept. of Electronics & Communication Eng. SJB Institute of Technology

Bengaluru-560060



CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021105725

The Commissioner of Patents has granted the above patent on 10 November 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Shobha Shankar of Professor & Head, Dept.of EEE, Vidyavardhaka College of Engineering Mysuru India Rashmi S of Associate Professor, Dept.of EEE, Vidyavardhaka College of Engineering Mysuru India Mohammed Jalaluddin of Associate Professor, Dept. of EEE, Vidyavardhaka College of Engineering Mysuru India

Lokesh C of Associate Professor, Dept. of EEE Vidyavardhaka College of Engineering Mysuru India
Reshma V P of Assistant Professor, Dept. of EEE, Vidyavardhaka College of Engineering Mysuru India
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Chaithra Ganesh of Assistant Professor, Dept. of EEE, Vidyavardhaka College of Engineering Mysuru India
Radhakrishna K R of HOD, Dept. of EEE, Rajeev Institute of Technology Hassan India
Sumitha C of HOD, Dept. of EEE, GMIT Bharathi Nagara. Mandya (D) India
Shobha B S of Assistant Professor, Dept. of CS&E, MIT Mysuru India
Manjunath Lakkannavar of Assistant Professor, Dept. of EEE, MSRIT Bengaluru India
Geethanjali N of Assistant Professor, Dept. of EEE, SJBIT Bengaluru India

Title of invention:

A METHOD AND SYSTEM FOR EXTERNAL CAR WASHING BY USING ARDUINO

Name of inventor(s):

K., Gopala Reddy, D., Niveditha; C. N., Prerana; V., Sushmitha and M., Kavya

Term of Patent:

Eight years from 17 August 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 10th day of November 2021

Commissioner of Patents

Dept. of Electronics & Communication Eng.

SJB Institute of Technology

Bengaluru-560060

PATENTS ACT 1990



CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021103792

The Commissioner of Patents has granted the above patent on 23 March 2022, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Nataraj Swamy of Don Bosco Institute of Technology, Kumbalagodu, Bangalore Bangalore 560074 India Santosh Nejakar of Assistant Professor, Dept of ECE, Don Bosco Institute of Technology Bengaluru 560074 India

Rekha R of Professor, Dept of ECE, SJBIT, Kengeri Bangalore 560060 India

Title of invention:

ARTIFICIAL SPEAKING IOT BASED "TALKING HAND" AN ASSISTIVE DEVICE FOR DUMB PEOPLE IN REGIONAL LANGUAGE KANNADA

Name of inventor(s):

Swamy, Nataraj; Nejakar, Santosh and R., Rekha

Term of Patent:

Eight years from 1 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.

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Dept. of Electronics & Communication Engl SJB Institute of Technology Bengaluru-560060



Dated this 23rd day of March 2022

Commissioner of Patents

Department of Civil Engineering

	Patent Details						
Sl. No.	Title/Name of IP (Patent Only)	IP Registration Number of Patent	Date of Patent IP Filed (Month, Year)	Application Level	Status (Filed/Granted)		
1	Implementation of green IoT for efficient resource utilizn and the creation of sustainable materials	202141046122	10-10-2021	Engineering & Technology	FILED		
2	Method And System For Testing Sand With Natural Coir Fiber	201841009620	15-03-2018	Engineering & Technology	FILED		
3	"Flower Briquette-A source of Bio-energy	202141040162	04-09-2021	Engineering & Technology	Published		
4	Design of Novel Multi-Purpose Study Table for Educational Institution	202141040166	04-09-2021	Engineering & Technology	Published		
5	A Filter Block for Liquid Filtration in Water Purifier	348030001	17-08-2021	Engineering & Technology	Published		
6	Industrial waste water treatment technology using fine membrane	202241034653	24-06-2022	Engineering & Technology	Published		
7	Development of artificial angular aggregate using industrial waste	202141029709	02-07-2021	Engineering & Technology	Published		
8	Investigative Studies Of Wilcox Diagram In Irrigation Water Samples	202141056808	17-12-2021	Engineering & Technology	Published		

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Office of the Controller General of Patents, Designs & Trade Marks Department of Industrial Policy & Promotion, Ministry of Commerce & Industry, Government of India



App	lication Details
APPLICATION NUMBER	202141046122
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	10/10/2021
APPLICANT NAME	1 . Arumugam Ranjith 2 . Mr. Gokul Chandrakant Talele Sex: Male 3 . Dr.Revathi.R 4 . Mr.Boreddy Surya Prakash Reddy 5 . Mr. Nitin B. Raut 6 . Mr. Y V Niranjan Kumar 7 . Dr. Sridhar R 8 . Mr. Vishal Prakash 9 . Dr Manoj Kumar Mishra 10 . Dr. Arun Kumar Pallathadka 11 . Dr. Harikumar Pallathadka
TITLE OF INVENTION	Implementation of green IoT for efficient resource utilization and the creation of sustainable smart cities.
FIELD OF INVENTION	COMMUNICATION
E-MAIL (As Per, Record)	aranjithece@gmail.com
ADDITIONAL-EMAIL (As Per Record)	anvarshathik@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	
PUBLICATION DATE (U/S 11A)	22/10/2021

(Dr R. Swidhen)

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Department of Civil Engineering
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Bengaluru-560 060





Controller General of Patents, Designs and Trademarks **Department of Industrial Policy and Promotion** Ministry of Commerce and Industry

Design Application Details

Application Number:

348030-001

Cbr Number:

206462

Cbr Date:

17/08/2021 21:23:54

Applicant Name:

1. Mr. Ashish Dubay B 2. Dr. Sundramurthy Venkatesa Prabhu

3. Mr . Achyuth K N

4. Dr. Asha G

Design Application Status

Application Status:

Design Accepted and Published, Journal No is 31/2022 and Journal Date is 05/08/2022

Back (https://search.ipindia.gov.in/DesignApplicationStatus/)

Disclaimer: Application status is available for the application filed on or after 1st April 2009 with application no 222230. The information under " Design Application Status" is dynamically retrieved and is under testing, therefore the information retrieved by this system is not valid for any legal proceedings under the Design Act 2000. In case of any discrepancy you may contact the appropriate Patent Office or send your comments to following email IDs:

Design Office, Kolkata: controllerdesign.ipo@nic.in

Controller General of Patents, Designs and Trademarks

(Da Asha G)

Head of Department Department of Civil Engineering S J B Instite te of Technology Uttarahalli Road, Kengeri Bengalum-560 060

Controller General of Patents, Designs & Trade Marks

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



Docket No 18401

Date/Time 2018/03/15 21:40:56

MALHOTRA RAJAT Ideas2IPR, B-115 Chander Nagar, Janak Puri, New Delhi-110058 Email: mail@ideas2ipr.com

Sr. No.	Ref. No./Application No.	App. Number	Amount Paid	C.B.R. No.	Fre Payment	Remarks
1	201841009620	TEMP/E-1/9892/2018- CHE	1600	7260	Full	Method and system for testing sand with natural coir fiber

Transaction(II)	Payment Mode	Challan Identification Number	Amount Paid	Head of A/C No
N-0000356719	Online Bank Transfer	02806341503201851174	1600.00	1475001020000001

Total Amount : ₹ 1600

Amount in Words: Rupees One Thousand Six Hundred Only

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(Dr. R. Sridhan)

Head of Department Department of Civil Engineering SJB Instit te of Technology Uttarahalli Road, Kengeri Bengalum-560 060.

Controller General of Patents, Designs & Trade Marks



G.A.R.6

[See Rule 22(1)] RECEIPT



Date/Time 2021/09/04 15:13:41

UserId: sritblr123

To Dr Nataraj K R

Docket No 78766

S R Innovative Technologies, #18, 1st Cross, 80 Feet road, NGEF Layout, 12th Block ,2nd stage, Nagarabhavi

CBR Detail:

1	202141040162	TEMP/E-1/45148/2021- CHE	1600	32934	FORM 1	FLOWER BRIQUETTES -A SOURCE OF BIOENERGY
58. No.	Ref. No./Application No.	Арр. Ушиба,	Vincent Paid	C.B.R. No.	Form	- Remarks

N-0000850513	Online Bank Transfer	0409210005185	1600.00	1475001020000001
Transacioniti	Payment Mode	Challan Identification Number	Amount Paid	Head of A/C No

Total Amount : ₹ 1600

Amount in Words: Rupees One Thousand Six Hundred Only

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Controller General of Patents, Designs & Trade Marks



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

Date/Time 2021/09/04 15:49:30

Userld: sritblr123

Docket No 78783

To Dr Nataraj K R

SR Innovative Technologies, #18, 1st Cross, 80 Feet road, NGEF Layout, 12th Block ,2nd stage, Nagarabhavi

CBR Detail:

Sr. No.	Ref. No. Application No.	App. Number	Amount Paid	C.B.R. No.	Form Name	Remarks
1	202141040166	TEMP/E- 1/45156/2021-CHE	1600	32944	FORM 1	DESIGN OF NOVEL MULTIPURPOSE STUDY TABLE FOR EDUCATIONAL INSTITUTIONS

Transaction[1]	Payment Mode	Challan Identification Number	Amount Paid	Head of A-C No
N-0000850534	Online Bank Transfer	0409210005778	1600.00	1475001020000001

Total Amount : ₹ 1600

Amount in Words: Rupees One Thousand Six Hundred Only

Received from Dr Nataraj K R the sum of ₹ 1600 on account of Payment of fee for above mentioned Application/Forms.

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(19) INDIA

(51) International

(86) International

Filing Date

Filing Date (62) Divisional to

Application Number

Filing Date

(61) Patent of Addition :NA

to Application Number :NA

Application No

(87) International

Publication No

classification

(22) Date of filing of Application :16/06/2022

(43) Publication Date: 24/06/2022

(54) Title of the invention: Industrial waste water treatment technology using fine membrane

:C02F0003120000, C02F0001280000,

C02F0009000000, C02F0001660000,

G01N0033180000

:PCT//

: NA

:NA

:NA

:01/01/1900

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3)Mr. Achyuth K N

4)Mr. Manoj B R

5)Mr. Ashish Dubay B

Name of Applicant: NA

Address of Applicant : NA

(72)Name of Inventor:

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5)Mr. Ashish Dubay B

Address of Applicant: Assistant Professor, Department of Civil Engineering, Maharaja Institute of Technology Mysore, Mandya 571477, Karnataka, India. Mandya ------

(57) Abstract:

The purification of industrial wastewater that contains impurities that poison or otherwise inhibit bacterial forms employed in the biological treatment of wastewater is accomplished by a process that involves submitting the wastewater to a biological treatment process in the presence of activated carbon or fuller's earth. This step is performed while the wastewater is being treated. To offer oxidation methods, a gas that contains molecular oxygen is diffused throughout the liquid mixture while the treatment is being performed. Despite the presence of the poisonous or inhibiting impurities, the process successfully lowers the biochemical oxygen demand, the chemical oxygen demand, and the total organic content of the wastewater in an unusually rapid manner. Additionally, the process removes material not typically removed by the biological treatment alone.

No. of Pages: 23 No. of Claims: 6

The Patent Office Journal No. 25/2022 Dated 24/06/2022

39139

G-Asha (Da-Asha-G)

Head of Department

Department of Civil Engineering

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Littarahalli Road, Kengeri

Bengalulu-560 060

← arpitha

1 of 3 < >

The Patent Office Journal No. 29/2021 Dated 16/07/2021

31687

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202141029709 A

(19) INDU

(22) Date of filing of Application :02/07/2021

(43) Publication Date: 16/07/2021

(54) Title of the invention: DEVELOPMENT OF ARTIFICIAL ANGULAR AGGREGATE USING INDUSTRIAL WASTE

(51) International classification (51) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Piling Date (87) International Publication No (61) Patent of Addition to Application Number Piling Date (62) Divisional to Application Number Piling Date (62) Divisional to Application Number Piling Date	C0480012000000. C0480028260000. G01N0033380000.	(71)Name of Applicant : 183indhuora.C Addinso of Applicant (203,85 Vrudhi apartment VISL Layout Rangidore Karnataka India 560109 Karnatika India (72)Name of Investate : 183indhuora.C 23/200000000000000000000000000000000000
--	---	--

(57) Abstract

With increase in demand of natural resources like coarse aggregates used in Construction, usage of artificial aggregates in construction is being stodied for replacement of natural Aggregates in production of concrete. Increasing attention is recent years of converting fly ask into a value added product like aggregates offer greater potential for its high volume utilization, thereby reducting use of depicting natural aggregates. Artificial aggregates called Goopolysiser aggregates was prepared by crushing mechanism to obtain different shapes of aggregates instead of rounded angular aggregates. Crushing process was curried out by homesering with the required fly ask to iron or entition. For international content in the required fly a shi to iron or entition grain. First and error method was used to fit fly and to iron or entition from the relation where considered with fly ask to iron or entiting ratio. For this fly ask to iron or entiting ratio was instead with alkaline artivator solution, the formed shirty is cateed into cubes, but attents cutted and compressive strength is determined, Rimiling materials such as Solution spectrosticly (Notel) and Solution silicately RosSi(33) were ing considered in manufactors of course aggregates and compared with the natural aggregates. With the prepared course aggregates, concrete cubes were casted by varying the goopolymer aggregates as natural aggregates. The color, 70.20, 50.50 and 50.50 (concrete cubes were casted by varying the goopolymer aggregates to attend a course of course of constants aggregate ratios as 1000, 70.20, 50.50 and 50.50 (concrete cubes were casted by varying the goopolymer aggregates to assure was determined for these ratios. By taking the ratio for which maximum compressive strength was obtained, flexeral strength and split tensife strength.

No. of Pages ; 12 No. of Claims : 2

Patro Gardal College Journal No. 29/2021 Dated 16/17/2021

Head of Department
Department Civil Engineering
S J B Institute of Technology
Uttarahalli Road, Kengeri
Bungalum 560 060

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 202141029710 /



Office of the Controller General of Patents, Designs & Trade Marks Department of Industrial Policy & Promotion, Ministry of Commerce & Industry, Government of India

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



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

Appl	ication	Detail	s

APPLICATION NUMBER

202141056808

APPLICATION TYPE

ORDINARY APPLICATION

DATE OF FILING

07/12/2021

APPLICANT NAME

- 1. SHIVAPRASAD H
- 2. RASHMI KHAMBENOUR
- 3. MALLIKARJUN S DENGI
- 4. GOWTHAM PRASAD M E
- 5. KIRAN M S
- 6. PRAJWAL R P NADAGOWDA
- 7. VARUN KUMAR REDDY N

TITLE OF INVENTION

INVESTIGATIVE STUDIES OF WILCOX DIAGRAM IN IRRIGATION

WATER SAMPLES

FIELD OF INVENTION

CHEMICAL

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PRIORITY DATE

REQUEST FOR EXAMINATION DATE

PUBLICATION DATE (U/S 11A)

31/12/2021

BOWN KIRAN.M.S

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Uttarahalli Road, Kengeri
Bengalum-560 960

Department of Mechanical Engineering

	Patent Details							
Sl. No.	Title/Name of IP (Patent Only)	IP Registration Number of Patent	Date of Patent IP Filed (Month, Year)	Application Level	Status (Filed/Granted)			
1	A Machine for Making Finger Millet Flour Balls /K & S partner- Indian complete patent.	201741030809	31/08/2017	Design	Filed			
2	Multi Stage Blade Rotor for Horizontal Axis Wind Turbine / Intellectual Property India.	202141022434	19/5/2021	Design	Published			
3	Artificial Intelligence Based Construction of Mechanically Developed Machine Motion Prediction System / Intellectual Property India.	202141024097	31/05/2021	CS	Published			
4	System for Integrated Monitoring & Management of Agriculture & Related Parameters Using IoT / Intellectual Property India.	20211101983	16/05/2021	CS	Published			
5	Artificial Intelligence based automated material management system / Intellectual Property India	202141024010A	18/06/2021	Artificial Inteligence	Published			
6	Design and Development of Solar Power Based Electric Vehicle Charging Booths / Intellectual Property India	202141018627	30/04/2021	Electrical	Published			
7	Study of the Behaviour and Performance of a Solar Steam Turbine by Calculating Three Variants Based on the Available Technologies / Intellectual Property India	202141027064 A	07-02-2021	Thermal	Published			

Department of Mechanical Engineering

		•			
8	An Energy – Efficient Thermodynamics Cycle to Liquify Biomethane on a Micro Scale/ Intellectual Property India	202141029268 A	16/07/2021	Thermal	Published
9	An Experimental Study Carried Out In Orthogonal Section On The Titanium Alloy Ti-6al-4v Using The Kinematic And Thermal Field Measurement Device/ Intellectual Property India	202141041759	15/052021	Materials	Published
10	Preparation method for Biodiesel utilizing waste catering Grease/ Intellectual Property India	202241028397A	27/05/2022	Thermal	Published

Head of the Department
Department of Mechanical Engineering
SJB Institute of Technology
Kengeri, Bengaluru-560 060



Intellectual Property Attorneys

January 4, 2019

Mr. Madhusudhan Thimmegowda
SJB Institute of Technology
BGS HEALTH & EDUCATION CITY
No. 67, Uttarahalli Road,
Adjacent to Abhiman Studio,
Kengeri, Bangalore South - 560 060

BY COURIER

Phone: 080-28612445 / 46

Fax: 080-28612651

E-mail: mechhod@sjbit.edu.in

Re: Indian Complete Patent Application No. 201741030809

Filed on: 31/08/2017

Title: "A SEMI-AUTOMATIC APPARATUS FOR PRODUCING FINGER-

MILLET FLOUR BALLS"

Applicant: Madhusudhan Thimmegowda

Your Ref: IP38985/VS/ev

Dear Sir,

We write further to our e-mail dated 01/10/2018 with reference to the subject matter, wherein we confirm that we have filed complete after provisional application at the Indian Patent Office. A copy of the as-filed documents, filing receipt along with invoice is enclosed.

In case of any query, please feel free to reach us. Please acknowledge receipt.

Yours sincerely,

Bharat S.

Of K&S Partners

Bangalore

Encl: As mentioned above

Head of the Department
Department of Mechanical Engineering
SJB Institute of Technology
Kengeri, Bengaluru-560 060



Intellectual Property Attorneys

SJB INSTITUTE OF TECHNOLOGY

Invoice No. BLR/1819/03294

BGS Health and Education city,

Date:

December 21, 2018

Uttarahalli Main Road, Adjacent to Abhiman Studio, Bangalore 560 060 Karnataka,

SAC:

998213

India

State: Karnataka | State Code: 29

GSTIN:

Kind Attn.

INVOICE

Re: Indian Patent Application No. 201741030809

Filed on: 31-08-2017

Title: A SEMI-AUTOMATIC APPARATUS FOR PRODUCING FINGER-MILLET

FLOUR BALLS"

Applicant: MADHUSUDAN THIMMEGOWDA

Your Ref: -

Our Ref: IP38985/BS/EV

		• a. n.c. 11 50505/ 55/ E4	
S No.	Description of Service	Rupees	
1.	Our professional charges towards receiving your instructions, drafting	55,000.00	
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Docket No 54608

Date/Time 2017/08/31 12:18:16

To GOPINATH ARENUR SHANKARARAJ

Controller General of Patents, Designs & Trade Marks

Userid: knsbir5

K&S Partners, Intellectual Property Attorneys #4121/B, 6th Cross, 19A Main HAL II Stage [Extension]

CBR Detail:

Sr. No.	Ref. No./Application No.	App. Number	Amount Paid	C.B.R. No.	Form Name	Remarks
1	201741030809	TEMP/E- 1/31483/2017-CHE	1600	28092 FORM 1		A MACHINE FOR MAKING FINGER MILLET FLOUR BALLS

TransactionID Payment Mode		Challan Identification Number	Amount Paid	Head of A/C No	
N-0000297993 Online Bank Transfer		02806343108201750164	1600.00 1475001020000		

Total Amount : ₹ 1600

Amount in Words: Rupees One Thousand Six Hundred Only

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FORM 1 THE PATENTS ACT, 1970 (39 of 1970)

&

THE PATENTS RULES, 2003
APPLICATION FOR GRANT OF PATENT
[See sections 7,54 & 135 and rule 20(1)]

(FOR OFFICE	USE	ONL	Y)
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Application No.:	•
Filing Date:	

Amount of Fee Paid:....

CBR No.:....

AFFILITATION	1	APPLICANT(S	
--------------	---	------------	---	--

Sr.	Name	Nationality	Address
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5	Veeranagouda B A	India	C/o Department of Mechanical Engineering, SJB INSTITUTE OF TECHNOLOGY, BGS Health and Education city, Uttarahalli Main Road, adjacent to Abhiman Studio, Kengeri, Bangalore – 560060, Karnataka, India.

3. TITLE OF THE INVENTION: A MACHINE FOR MAKING FINGER MILLET FLOUR BALLS

4. ADDRESS FOR CORRESPONDENCE OF APPLICANT / AUTHORISED PATENT AGENT IN INDIA

K&S PARTNERS Intellectual Property Attorneys 4121/B, 6th Cross, 19A Main, HAL II Stage (Extension), Bangalore 560038, Karnataka, India

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5. PRIORITY PARTICULARS OF THE APPLICATION(S) FILED IN CONVENTION COUNTRY:

Sr. Country Application Number Filing Date Name of the Applicant Tilte of the Invention

6. PARTICULARS FOR FILING PATENT COOPERATION TREATY (PCT) NATIONAL PHASE APPLICATION

International Application Number International Filing Date as Allotted



Office of the Controller General of Patents, Designs & Trade Marks Department of Industrial Policy & Promotion, Ministry of Commerce & Industry. Government of India



Application Details

APPLICATION NUMBER

202111021983

APPLICATION TYPE

ORDINARY APPLICATION

DATE OF FILING

16/05/2021

APPLICANT NAME

1. Mohammed Azam

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8. Manvi Sharma

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10. Piyush Sharma

11. Dr. Shivappa H.A.

12. Dr. Chandrashekar K.

13. Dr. Shashi Raj K.

14. Dr. Pavithra G.

TITLE OF INVENTION

SYSTEM FOR INTEGRATED MONITORING AND MANAGEMENT OF AGRICULTURE AND RELATED

PARAMETERS USING INTERNET OF THINGS

FIELD OF INVENTION

COMPUTER SCIENCE

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PRIORITY DATE

REQUEST FOR EXAMINATION DATE

PUBLICATION DATE (U/S 11A)

28/05/2021



Office of the Controller General of Patents, Designs & Trade Marks Department of Industrial Policy & Promotion. Ministry of Commerce & Industry. Government of India



Application Details

APPLICATION NUMBER

202141024097

APPLICATION TYPE

ORDINARY APPLICATION

DATE OF FILING

31/05/2021

APPLICANT NAME

1. Dr. K. Arun Vasantha Geethan, St. Joseph's Institute of Technology

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4. Dr.Lanitha.B, Karpagam Academy of Higher Education

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6. Rajat Srivastava, University of Petroleum and Energy Studies

7. Dr. Chandrashekar K., SJB Institute of Tech

8. Dr. Shivappa H.A., Dr. Ambedkar Institute of Technology

9. Dr. Pavithra G, Dayananda Sagar College of Engg. (DSCE)

10 . Dr.I.Jerin Leno, DMI St John The Baptist University

11 . Dr. Glorindal Selvam, DMI St John The Baptist University

12. M. Sathish Kumar, Hindusthan College of Engineering & Technology

13. P.Kaviya Priya, Hindusthan College of Engineering and Technology

14 . T.Sakthi Sree, Hindusthan College of Engineering and Technology

TITLE OF INVENTION

ARTIFICIAL INTELLIGENCE BASED CONSTRUCTION OF MECHANICALLY DEVELOPED MACHINE

MOTION PREDICTION SYSTEM TO REDUCE WORKSITE HAZARDS

FIELD OF INVENTION

COMPUTER SCIENCE

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PRIORITY DATE

REQUEST FOR EXAMINATION DATE

PUBLICATION DATE (U/S 11A)

11/06/2021

(21) Application No.202141024010 A

1)SHAIK RAHAMAT BASHA, Rajeev Gandhi Memorial College

Science and Engineering, Rajeev Gandhi Memorial College of Engineering and Technology, Nerawada 'X' Roads, Kurnool District, Nandyala, Andhra Pradesh 518501, India. Email: basha.ste@gmail.com

10)Dr.I.Jerin Leno, DMI St John The Baptist University 11)Dr. Glorindal Selvam, DMI St John The Baptist University 12)Venkatesh R, PSNA College of Engineering and Technology

13)Dr.M. Thangamani, Kongu Engineering College

Address of Applicant : Assistant Professor, Department of Computer

(19) INDIA

(22) Date of filing of Application: 29/05/2021

(43) Publication Date: 18/06/2021

(71)Name of Applicant:

of Engineering and Technology

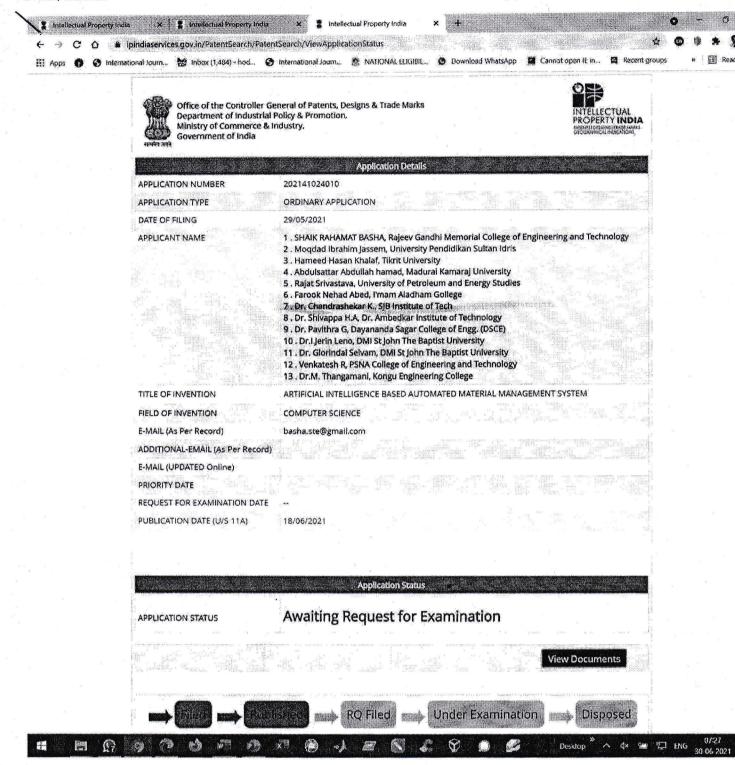
(54) Title of the invention: ARTIFICIAL INTELLIGENCE BASED AUTOMATED MATERIAL MANAGEMENT SYSTEM

			Mobile No: 8919209298 Andhra Pradesh India
			2)Moqdad Ibrahim Jassem, University Pendidikan Sultan Idris
			3)Hameed Hasan Khalaf, Tikrit University
		:G06Q0010060000,	
		G06Q0010080000,	5)Rajat Srivastava, University of Petroleum and Energy Studies
	(51) International classification	G06K0009620000,	6)Farook Nehad Abed, I'mam Aladham Gollege
		G06Q0010000000,	7)Dr. Chandrashekar K., SJB Institute of Tech
		G06T0007100000	8)Dr. Shivappa H.A, Dr. Ambedkar Institute of Technology
-	(31) Priority Document No	:NA	9)Dr. Pavithra G, Dayananda Sagar College of Engg. (DSCE)
	(32) Priority Date	:NA	10)Dr.I.Jerin Leno, DMI St John The Baptist University
	(33) Name of priority country	:NA	11)Dr. Glorindal Selvam, DMI St John The Baptist University
	(86) International Application No	:NA	12) Venkatesh R, PSNA College of Engineering and Technology
	Filing Date	:NA	13)Dr.M. Thangamani, Kongu Engineering College
	(87) International Publication No	: NA	(72)Name of Inventor:
	(61) Patent of Addition to Application Number	:NA	1)SHAIK RAHAMAT BASHA, Rajeev Gandhi Memorial College
	Filing Date	:NA	of Engineering and Technology
	(62) Divisional to Application Number	:NA	2)Moqdad Ibrahim Jassem, University Pendidikan Sultan Idris
	Filing Date	:NA	3) Hameed Hasan Khalaf, Tikrit University
			4)Abdulsattar Abdullah hamad, Madurai Kamaraj University
			5)Rajat Srivastava, University of Petroleum and Energy Studies
			6)Farook Nehad Abed, I'mam Aladham Gollege
			7)Dr. Chandrashekar K., SJB Institute of Tech
			8)Dr. Shivappa H.A, Dr. Ambedkar Institute of Technology
80			9)Dr. Pavithra G, Dayananda Sagar College of Engg. (DSCE)

(57) Abstract:

Material management in jobsites comprises a managerial practice that devotes a notable exertion to confirm the existence of proper amounts of materials and effectively facilitates their transition process in and out of jobsites. In jobsites, where materials are being received, stored, and relocated, it is critical to endlessly keep updated records of their quantity during project period. Such updated records permit practitioners to successfully identify insufficient materials in a timely manner. This invention provides an artificial intelligence based automated material management system for an effective material management in the jobsites. This system automatically senses and piece target objects in point cloud models via a deep learning-based approach and then map the semantic values onto point cloud models for 3D semantic segmentation.

No. of Pages: 12 No. of Claims: 3





Office of the Controller General of Patents, Designs & Trade Marks Department of Industrial Policy & Promotion, Ministry of Commerce & Industry, Government of India



	Application Details
APPLICATION NUMBER	202141018627
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	22/04/2021
APPLICANT NAME	1 . Vaddempudi Koteswara Rao, Prakasam Engineering College 2 . Dr. Pavan Tejasvi T, Dr. Ambedkar Institute of Technology 3 . Dr. Ranjith V , Dr Ambedkar Institute of Technology 4 . Dr. Karthik Raj K V,SJB Institute of Technology 5 . Dr Bhanupratap R, Dr Ambedkar Institute of Technology 6 . Dr Sidram, Sri Jayachamarajendra College of Engineering 7 . Dr. Bharath V G,CMR University 8 . Suresh P, Dayananda Sagar College of Engineering 9 . Abhinandan Sarkar, Shree Ramkrishna Institute of Science and Technology 10 . Dr. Lalit S Thakur, Parul University 11 . Abhinav S,Amrita Viswa Vidyapeetm 12 . Dr. Hasan Koten, Istanbul Medeniyet University
TITLE OF INVENTION	DESIGN AND DEVELOPMENT OF SOLAR POWER BASED ELECTRIC VEHICLE CHARGING BOOTHS
FIELD OF INVENTION ELECTRICAL	
E-MAIL (As Per Record)	ingeniouz1@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	22/04/2021
PUBLICATION DATE (U/S 11A)	30/04/2021

(19) INDIA

(22) Date of filing of Application: 22/04/2021

(21) Application No.202141018627 A

(43) Publication Date: 30/04/2021

(54) Title of the invention: DESIGN AND DEVELOPMENT OF SOLAR POWER BASED ELECTRIC VEHICLE CHARGING **BOOTHS**

	:B60L0053300000,
	H02J0003000000,
(51) International classification	H02J0007350000,
	H02S0020300000,
	B60L0053140000
(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 Num	ber:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

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9) Abhinandan Sarkar, Shree Ramkrishna Institute of Science and Technology

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11) Abhinav S, Amrita Viswa Vidyapeetm

12) Dr. Hasan Koten, Istanbul Medeniyet University (72)Name of Inventor:

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11) Abhinay S. Amrita Viswa Vidyapeetm

12) Dr. Hasan Koten, Istanbul Medeniyet University

(57) Abstract:

This invention focuses on charging booth for electric vehicle based on solar power. Most promising low cost renewable energy is offered by solar power which can be made available for charging of electric vehicles. Power flow of the system is tested by primary 9-bus distribution system using Newton Raphson method, where the voltage angle and the solar panel size is compared using DIgSILENT program at 100 kWh are obtained as 2.04% and 3.91% respectively. Analysis of charging station installation is done by 3 bus test system for distribution system of a solar electric vehicle with power flow analysis in time series. System power loss and maximum demand of energy is affected by the charging time of the EV. The simulation result obtains the size of the solar panel greater than 7.39 kWp. Solar power generated in the charging station is analyzed by PyPSA program shows that load expansion is allowed in the system whenever required.

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

21488

(19) INDIA

(22) Date of filing of Application: 17/06/2021

(51) International classification

(31) Priority Document No

3) Name of priority country

(86) International Application No

(87) International Publication No

(62) Divisional to Application Number

(61) Patent of Addition to Application Number:NA

2) Priority Date

Filing Date

Filing Date

Filing Date

(21) Application No.202141027064 A

(43) Publication Date: 02/07/2021

(54) Title of the invention: STUDY OF THE BEHAVIOUR AND PERFORMANCE OF A SOLAR STEAM TURBINE BY CALCULATING THREE VARIANTS BASED ON THE AVAILABLE TECHNOLOGIES

:F01K0023100000.

F22B0001000000.

F03G0006060000,

F03G00060000000

F02C0006180000

:NA

:NA

:NA

:NA

:NA

: NA

:NA

:NA

:NA

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9)Dr. MOTI LAL RINAWA

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9)Dr. MOTI LAL RINAWA 10)Dr. SANJAY KUMAR. S. M

11)Mr. CHANNABASAV

12)Mr. PARTHASARATHY. K

(57) Abstract:

STUDY OF THE BEHAVIOUR AND PERFORMANCE OF A SOLAR STEAM TURBINE BY CALCULATING THREE YARIANTS BASED ON THE AVAILABLE TECHNOLOGIES This work examines solar thermal turbine cycle and combined cle devices. It is required to compare the performance of solar steam turbine devices that use different steam generation technologies as well as to study how to control them. It is necessary to investigate the effect of the two different hybridization approaches on the operation of the combined cycle as well as to evaluate their performance. The analysis presented concerns the finding of the most appropriate way of controlling solar steam turbine devices and the comparison of the performance of the devices with thermodynamic and economic terms. In addition, combined cycle hybrid devices are studied and compared where solar heat is delivered to either the gas turbine cycle or the steam turbine cycle.

No. of Pages: 23 No. of Claims: 3

(2)

(21) Application No.202141029268 A

(19) INDIA

(22) Date of filing of Application :29/06/2021

(43) Publication Date: 16/07/2021

(54) Title of the invention : AN ENERGY-EFFICIENT THERMODYNAMICS CYCLE TO LIQUIFY BIOMETHANE ON A MICRO SCALE

 (51) International classification (31) Priority Document No Priority Date Name of priority country International Application No International Publication No (61) Patent of Addition to Application Number Divisional to Application Number Divisional to Application Number 	:C10L0003100000, F01K0025100000, F25J0001000000, A61M0037000000 :NA :NA :NA :PCT// :01/01/1900 : NA r:NA :NA :NA :NA	
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(57) Abstract:

The aim of this work is to propose an energy-efficient thermodynamic cycle which makes it possible to liquefy biomethane on a zero-scale (

No. of Pages: 25 No. of Claims: 4



Office of the Controller General of Patents, Designs & Trade Marks Department of Industrial Policy & Promotion, Ministry of Commerce & Industry, Government of India

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



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

	Application Details
APPLICATION NUMBER	202141041759
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	15/09/2021
APPLICANT NAME	1 . Dr. R. J. GOLDEN RENJITH NIMAL 2 . Mr. AMOL L. MANGRULKAR 3 . Dr. SANJAY KUMAR S M 4 . Dr.G.M.SWAMY 5 . Dr.D.RAVI 6 . Dr.V.S.HARIHARA N 7 . Mr. SESHABATTAR PHANEENDRA 8 . Mr. NAGARAJA T. K. 9 . Dr. B.NAGESAWARA RAO 10 . Dr. MANOJ KUMAR SINGH 11 . Dr. MOTI LAL RINAWA
TITLE OF INVENTION	AN EXPERIMENTAL STUDY CARRIED OUT IN ORTHOGONAL SECTION ON THE TITANIUM ALLOY TI-6AL-4V USING THE KINEMATI
FIELD OF INVENTION	METALLURGY
E-MAIL (As Per Record)	mail2patentipr@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	
PUBLICATION DATE (U/S 11A)	01/10/2021

APPLICATION STATUS

Awaiting Request for Examination

View Documents

Filed Published RQ Filed Under Examination

Disposed



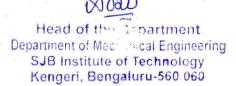
Office of the Controller General of Patents, Designs & Trade Marks Department of Industrial Policy & Promotion, Ministry of Commerce & Industry, Government of India

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



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

	Application Details
APPLICATION NUMBER	202241028397
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	17/05/2022
APPLICANT NAME	 Dr Gayatri Vaidya Dr. Ashok Kumar Dr. Devendra Kumar Dr. Sanjay Kumar S M Dr. Senthil Kumar S Surisetty Sreenivasulu Mr. Sadashiv Bellubbi Dr. Shailendra Singh Bhadauria Arghya Chakravorty Preetam Bhardwaj
TITLE OF INVENTION	PREPARATION METHOD FOR BIODIESEL UTILIZING WASTE CATERING GREASE
FIELD OF INVENTION	CHEMICAL
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ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	
PUBLICATION DATE (U/S 11A)	27/05/2022



Application Status Application Status Application Status Awaiting Request for Examination View Documents Filed Published RQ Filed Under Examination Disposed In case of any discrepancy in status, kindly contact ipo-helpdesk@nic.in

(19) INDIA

(22) Date of filing of Application: 17/05/2022

(21) Application No.202241028397 A

(43) Publication Date: 27/05/2022

(54) Title of the invention: PREPARATION METHOD FOR BIODIESEL UTILIZING WASTE CATERING GREASE

(51) International classification

:C11C0003000000, C11C0003100000,

C10L0001230000

(86) International Application No

:PCT// :01/01/1900

Filing Date (87) International

Publication No

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

(62) Divisional to **Application Number**

Filing Date

C10L0001020000, C10L0001190000,

: NA

:NA ·NA

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8)Dr. Shailendra Singh Bhadauria

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(57) Abstract:

In biodiesel using residual food and beverage oil of the present invention, first, residual food and beverage oil after dehydration, concentrated sulfuric acid and methanol are added to an esterification reaction tank in a weight ratio of 100: 1.8:15, and the reaction time is 78°C. 4h; then add the residual catalyzed esterified food and beverage fat, KOH and methanol in a weight ratio of 100:1.1:19 to the transesterification reaction tank at 68°C. The reaction time is 2h; then the biodiesel feedstock oil is obtained by water washing and distillation; so the following parts by weight are the modulated biodiesel composition: 980 parts biodiesel feedstock oil, 135 parts isopropanol, 17 parts diethylene glycol monobutyl ether, 1.8 parts isooctyl nitrate, 22 parts ether castor oil polyoxyethylene, 18 parts decylglycoside, dipropylene glycol methyl ether, 37 parts acetate, 35 parts polyoxyethylene sorbitan monooleate ether, 13 parts tetradecyl trimethyl ammonium bromide and 160 parts water. Accompanied Drawing [FIG. 1] [FIG. 2] [FIG. 3]

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



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efficient.engineer@gmail.com GSTIN: 29BCUPS4782A1ZZ

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S.No Description	HSN/SAC	Qiy UoM	Price (₹)	Taxable Value (₹)	CGST (₹)	SGST (₹)	Amou
Tilting type melting furnace	9023	1.00 NOS	3,22,000.00	3,22,000.00	28,980.00 9%	28,980.00 9%	3,79,960.
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Branch Name: BANGALORE CITY

IFSC Code: CBIN0280850

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Issue Date:

09 - Nov - 2

Due Date:

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PO Number:

SJBIT/ACCT/70/2019

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PO Date:

21 - Aug - 2

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IFSC code: VIJB0001443, Branch: KENGERI-60

Provider Signature

Head of the Department

Department of Mechanical Engineering SJB Institute of Technology Kengeri, Bengaluru-560 060

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Original Co

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Due Date:

PO Number:

SJBIT/ACCT/68/2019

PO Date:

Place of Supply:

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	8				
S.No Description HSN/SAC	Oty Price (JoM (*)	Taxable Value (३)	CGST (*)	SGST. (₹)	Amoun
Computerized Pin on Disc 9023 Apparatus	7,36,000.00 NOS	7,36,000.00	66,240.00 9 %	66,240,06 9%	8,68,480.0
Bank Name: vijaya bank	Total @18%	7,36,000.00	66,240.00	66,240.00	8,68,480.0
Account Number: 144300301000098 Branch Name: kengeri	Total Taxable Value				₹7,36,000.0

IFSC Code: VIJB0001443

Total Value (in figure)

Total Value (in words)

₹8,68,48

₹ Eight Lakh Sixty-eight Thousand Four Hundred Eight

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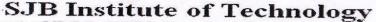
BANY DETAILS FOR ONLINE TRANSFER

Ne of the account: EFFICIENT ENGINEERS , A/C No: 144300301000098, Name of the bank: VIJAYA BANK of India,

IFSC code: VIIB0001443, Branch: KENGERI-60

Provider Signature

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2(f) and 12(B) recognized by UGC, New Delhi.

Accredited by NAAC. Accredited by NBA. Certified by ISO 9001-2015.



Department of Electrical & Electronics Engineering

Patent Details

Sl. No.	Faculty Name	Design And Development Of IoT And Ai		Natio nal	Internati onal	Published Date	Status Of Application
1.	Dr.Babu N V			-	Yes	13/08/2021	Published
2.	Mr.Prakyath D	202141022163a	A Power Quality And Demand Side Management System For A Smart Grid Using Machine Learning For Pro M		Yes	17/05/2021	Published
3.	Mrs.Vimala C S	202141033400a	An Auxilary Railway Platform Bridge And An Iot Based Method To Operate The Same	-	Yes	06/08/2021	Published
4.	Dr.J P Sridhar	35782	Design And Development Of Iot And Ai Based Smart Inverter With Enhanced Power Quality		Yes	13/08/2021	Published
5.	Dr.J P Sridhar	202111027550 A	Machine Learning Based Smart Grid Power System Integrated With Wireless Communication Networks		Yes	16/07/2021	Published
6.	Dr.J P Sridhar	202141029724 A	Artificial Intelligence Iot Based Respiration Rate, Oxygen Volume And Sleep Monitoring Wearable Device For Covid Patients Using Sensors	-	Yes	16/07/2021	Published
7.	Dr. M J Chandrashekar	35782	Design And Development Of Iot And Ai Based Smart Inverter With Enhanced Power Quality	-	Yes	13/08/2021	Published

8.	Dr. Sandeep S R	35782	Design And Development Of Iot And Ai Based Smart Inverter With Enhanced Power Quality	-	Yes	13/08/2021	Published
9.	Dr. Sandeep S R	2021103555	Machine Learning Based Energy Efficient Smart City Management	-	Yes	4/8/2021	Published
10.	Mrs. Hemalatha B K	35782	Design And Development Of Iot And Ai Based Smart Inverter With Enhanced Power Quality	-	Yes	13/08/2021	Published
11.	Mrs.Tarakeshwari V	35782	Design And Development Of Iot And Ai Based Smart Inverter With Enhanced Power Quality	-	Yes	13/08/2021	Published
12.	Mr.Kubera U	35782	Design And Development Of Iot And Ai Based Smart Inverter With Enhanced Power Quality	-	Yes	13/08/2021	Published
13.	Dr. M J Chandrashekar	202141038532 A	A Clutch Lever Restriction Assembly		Yes	03/09/2021	Published
14.	Dr. M J Chandrashekar	L-109564/2021	An Unmanned Automatic Lawnmower Assembly		Yes	21/12/2021	Published
15.	Mrs.Prarthana J V	35782	Design and development of IOT and AI based Smart Inverter with Enhanced Power Quality	-	Yes	13/08/2021	Published
16.	Mr.Dwarakanath S K	35782	Design And Development Of IOT And AI Based Smart Inverter With Enhanced Power Quality	-	Yes	13/08/2021	Published
17.	Mrs.Rekha P S	202141049065 A	A Method for Controlling Acoustic Noise in Switched Reluctance Motor	-	Yes	26/11/2021	Published
18.	Mrs.Rekha P S	352801-001	Two wheeled tilting cum lifting hand truck	-	Yes	09/11/2021	Applied
19.	Dr.Mamatha Mahesh Gowda	202141049065 A	A Method for Controlling Acoustic Noise in Switched Reluctance Motor	-	Yes	26/11/2021	Published
20.	Dr.Mamatha Mahesh Gowda	352801-001	Two wheeled tilting cum lifting hand truck	-	Yes	09/11/2021	Applied

Co-ordinator
Dr. Chandrashekar M J

Page 2 of 2

HOD Dr. Babu N V

:NA

- I skolut

(21) Application No.202141032073 A

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application: 16/07/2021

(43) Publication Date: 13/08/2021

(54) Title of the invention; Design and Development of IOT and Al based Smart Inverter with Buharced Power Quality

	:F02B0075020000,
	G01R00310000000,
(51) International classification	G06F0008200000,
	G06F0009300000,
	G06F0017100000
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(a) International Application No	:PCT//
Filing Date	:01/01/1900
(87) International Publication No	: NA
(61) Patent of Addition to Application Nur	mber:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA

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(57) Abstract:

Filing Date

This invention has presented the design and development of a prototype multi-functional ES for controlling and managing the interface between a smart inverter and the electricity grid in a Smart Grid context based on IOT and AI. The design has focused upon the appropriate timing requirements for measurements defined in IEC 61000-4-30. These requirements have led to a data architecture design based on a set of critical temporary loops, where the various groups of equipment functions are processed: A half-cycle loop that directly processes the data acquisition for transient events or those of a highly random nature. A two-cycle loop, which has been plemented on this equipment in an original manner, which the team has termed quasi-stationary is used for rapid measurements Ith some stationarity, where the protection functions are processed. Finally, a 10-cycle loop dedicated to processing functions of purely stationary power quality parameters. The data exchange is carried out by two deterministic FIFO stacks, managed from the fastest half-cycle loop, and synchronized to two and ten cycles. It is important to emphasise the great functional capacity of the prototype at the Power Quality level, where it is able to endow the inverter with great added value, transforming it Power Quality Analyzer (PQA).

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

S J B Institute of Technology Education City,

The Patent Office Journal No. 33/2021 Dated 13/08/2021 engaluru-560 060. 35782



Generation of India Ministry of Commerce & Industry Department of Industrial Policy & Promotion Controller General of Patents Design & Trade Marks

Online Filing Of Patents



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Docket No 61582

Date Time 2021/07/16 15:03:04

CBR Detail:

Sir. No.	Ref. No/Application No.	App. Number	Amount Paid	CBR. No.	Form Name	Remarko
1	E 12/2816/2021-CHE	2023-43682973	2600	26090	FORM #	
1	202148092973	TEMP E- 1/30071/7021-CHE	1/600	26999	10834	Design and Development of ROT and All based Smart Inverter with Enhanced Power Quality



भारत सरकार / GOVERNMENT OF INDIA

कॉपीराइट कार्यालय / Copyright Office बौद्धिक संपदा भवन,प्लॉट संख्या 32, सेक्टर 14, द्वारका, नई दिल्ली-110078 फोन: 011-28032496

Intellectual Property Bhawan, Plot No. 32, Sector 14, Dwarka, New Delhi-110078 Phone: 011-28032496 रसीद / Receipt



PAGE No:1

To,

RECEIPT NO : 32501

Harish-Sharma

FILING DATE : 24/09/2021

B-1/482, street no.-4, Vijay Park, Maujpur--110053

BRANCH

: Delhi

USER

: harishvats

S.No	Form	Diary No.	Request No	Title	Amount (Rupees)
1	Form- XIV	23265/2021-ĊO/L	30329	Auto pilot self driving car using Embedded Artificial Intelligence	500
Amount in Words			Rupees Five Hundreds	500	

PAYMENT MODE	Transaction Id	CIN		
Online	C-0000033185	2409210020301		

(Administrative Officer)

3cm Skoluth

BGS Health & Education City, Kengeri, Bengaluru-560 060.

^{*}This is a computer genereated receipt, hence no signature required.

^{*}Please provide your email id with every form or document submitted to the Copyright office so that you may also receive acknowledgements and other documents by email.

FORM XIV APPLICATION FOR REGISTERATION OF COPYRIGHT [SEE RULE 70]

To,

The Registrar of Copyrights, Copyright Office, Boudhik Sampada Bhawan, Plot No. 32, Sector 14, Dwarka, New Delhi-110075 Phone: 011-25301202

Sir,

In accordance with section 45 of the Copyright Act, 1957 (14 of 1957), I hereby apply for registration of copyright and request that entries may be made in the Register of Copyrights as in the enclosed statement of Particulars' sent herewith in triplicate.

- 1. I also send herewith duly completed the statement of further particulars relating to the work Literary works
- 2. In accordance with rule 70 of the Copyright Rules, 2012, I have sent by pre-paid registered post copies of this letter and of the enclosed statement(s) to the other parties concerned, as shown below:

Name of Party	Address of Party	Date of Dispatch
1. Dr. Babu N V	Professor & HOD,	1
	Department of EEE,	
	SJB Institute of Technology,	
	Bengaluru,	
	Karnataka,	California de la Califo
	India,	etil bas ingobile umpVI
	560060	
2. Dr. Sandeep S R	/ Associate Professor,	
	Department of EEE,	
9	SJB Institute of Technology,	
	Bengaluru,	7 - 1
	Karnataka,	
	India,	
	560060	
3. Dwarakanath SK	Assistant Professor,	
	Department of EEE,	
3	SJB Institute of Technology,	
	Bengaluru,	
	Karnataka,	
	India,	
	560060	
4. Mrs. Pavithra G S	Assistant Professor,	
	Department of CSE,	and who cast to
	SJB Institute of Technology,	o resultation and a second as
	Bengaluru,	or the man black of a
	Karnataka,	
	India,	
	560060	Laurenchie in er och

3. The prescribed fee has been paid, as per details below: ONLINE Mode

Ston Skouth

Dept. S J B Institute of Technology BGS Health & Education City, Kengeri, Bengaluru-560 060. 4. Communications on this subject may be addressed to:

Dr. Babu N V

Professor & HOD, Department of EEE, SJB Institute of Technology, Bengaluru, Karnataka, India, 560060

5. I hereby declare that to the best of my knowledge and belief, no person, other than to whom a notice has been sent as per paragraph 2 above has any claim or interest or dispute to my copyright of this work or to its use by me.

- 6. I hereby verify that the particulars given in this Form and the Statement of Particulars and Statement of Further Particulars are true to the best of my knowledge, belief and information and nothing has been concealed there from
- 7. List of Enclosures:
 - 1. Statement of Particulars (In Triplicate)
 - 2. Statement of Further Particulars (In Triplicate)

Place: Bengaluru Date: 23-09-2021

Yours faithfully

1. Dr. Babu N V

2. Dr. Sandeep S R

3. Dwarakanath SK

4. Mrs. Pavithra G S

STATEMENT OF PARTICULARS

(To be sent in triplicate)

1.	Registration number	usin terrorie
2.	Name, Address and Nationality of the Applicant	1. Dr. Babu N V Professor & HOD, Department of EEE, SJB Institute of Technology, Bengaluru, Karnataka, India, 560060,
		2. Dr. Sandeep S R Associate Professor, Department of EEE, SJB Institute of Technology, Bengaluru, Karnataka, India, 560060,
		3. Dwarakanath SK Assistant Professor, Department of EEE, SJB Institute of Technology, Bengaluru, Karnataka, India, 560060,
		4. Mrs. Pavithra G S Assistant Professor, Department of CSE, SJB Institute of Technology, Bengaluru, Karnataka, India, 560060,
3.	Nature of the applicant's interest in the copyright of the work	OWNER
4.	Class and description of the work	Literary Work
5.	Title of the work	A SYSTEM FOR AUTO PILOT SELF DRIVING CAR USING EMBEDDED ARTIFICIAL INTELLIGENCE
6.	Language of the work	English
7.	Name, address and nationality of the author and, if the author is deceased, the date of his decease	N.A.
8.	Whether work is Published or Unpublished	Unpublished

9.	Year and country of first publication and name, address and nationality of the publishers	N.A.
10.	Years and countries of subsequent publications, if any, and names, addresses and nationalities of the publisher	N.A.
11.	Names, address and nationalities of the owners of the various rights comprising the copyright in the work and the extent of rights held by each, together with particulars of assignment and licenses, if any	N.A.
12.	Names, addresses and nationalities of other persons, if any, authorized to assign or license the rights comprising the copyright	N.A.
13.	If the work is an "artistic work", the location of the original work, including name, address and nationality of the person in possession of the work. (In the case of an architectural work, the year of completion of the work should also be shown)	N.A.
14.	If the work is an 'artistic work' which is used or is capable of being used in relation to any goods, the application shall include a certificate from the Registrar of Trade Marks in terms of the proviso to sub-section (1) of section 45 of the Copyright Act, 1957.]	N.A.
15.	If the work is an "artistic work" whether it is registered under the Designs Act 2000. If yes give details.	N.A.
16.	If the work is an "artistic work" capable of being registered as a design under the Designs Act 2000, whether it has been applied to an article though an industrial process and, if yes, the number of times it is reproduced.	NO
17.	Remarks, if any	N.A.

Place: Bengaluru Date: 23-09-2021

Yours faithfully

1. Dr. Babu N V 2. Dr. Sandeep S R

3. Dwarakanath SK 4. Mrs. Pavithra G S

(12) PATENT AFFEIGATION TOBERCATION

(21) Application No.202141022163 A

(19) INDIA

(22) Date of filing of Application: 17/05/2021

(43) Publication Date: 11/06/2021

(54) Title of the invention: A POWER QUALITY AND DEMAND SIDE MANAGEMENT SYSTEM FOR A SMART GRID USING MACHINE LEARNING FOR PROVIDING EFFICIENT RESOURCE UTILIZATION AND THE METHOD THEREOF

(51) International classification	:G06Q0050060000, H02J0013000000, G06Q0010060000, G00N00200000000,	JSSATE-B, Campus, Dr. Vishnuvardhan Road, Srinivaspura-Post, Bengaluru 560 060, Karnataka, India Karnataka India
(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	G06N0020000000, G06Q0010040000 :NA :NA :NA :NA :NA :NA :NA :NA :NA	

(57) Abstract:

Abstract: Title: A Power quality and demand side management System for a smart grid Using Machine Learning for providing efficient resource utilization and the method thereof Electricity plays a crucial role in different sectors of the nation including national



(21) Application No.202141033400 A

(19) INDIA

(22) Date of filing of Application :26/07/2021

(43) Publication Date: 06/08/2021

(54) Title of the invention : AN AUXILARY RAILWAY PLATFORM BRIDGE AND AN IOT BASED METHOD TO OPERATE THE SAME

(51) International classification	:B62D0005040000, A63C0017120000, G06N0005040000, F16K0003020000, B23P0019020000	(71)Name of Applicant: 1)Dr. Kumutha D Address of Applicant: Department of ECE, SJB Institute of Technology, Kengeri, Bangalore, Karnataka, India 560060. Karnataka India
(31) Priority Document No	:NA	2)Dr. Sunitha Y N
(32) Priority Date	:NA	3)Dr. Lakshminarayana M
(33) Name of priority country	:NA	4)Vimala C.S
(86) International Application No	:NA	5)Dr. Baskaran S
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Dr. Kumutha D
(61) Patent of Addition to Application Number Filing Date	:NA :NA	2)Dr. Sunitha Y N 3)Dr. Lakshminarayana M 4)Vimala C.S
Divisional to Application Number	:NA	5)Dr. Baskaran S
Filing Date	:NA	

(57) Abstract:

The present invention provides a traverse passageway between the railway station platforms using an auxiliary bridge and loT based method to operate the same. Said auxiliary bridge (41) comprises of a structural frame member (51), a plurality of sensor unit (61), a plurality of anti-climber (58a, 58b), a mounting support (73), a motor (71), a pinion gear (74), a plurality of hub (76, 78), a plurality of bearing (77, 79), a platform (80), a plurality of roller support (83), a sheet metal cover (87), hand rail (88) and a control unit (91) wherein said auxiliary bridge (41) is connected to an artificial intelligence server (101). FIG-1a

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



(19) INDIA

(22) Date of filing of Application:19/06/2021

(21) Application No.202111027550 A

11)Ms. Neha Singh, Vikram University

12) Mahesh Kumar A S,PES College of Engineering

(43) Publication Date: 16/07/2021

(71)Name of Applicant:
1)Astha Singh Kushwaha

(54) Title of the invention : MACHINE LEARNING BASED SMART GRID POWER SYSTEM INTEGRATED WITH WIRELESS COMMUNICATION NETWORKS

		Address of Applicant : Assistant professor, Department of
		Electronics and Communication Engineering IET, Dr.
		Rammanohar Lohia Avadh University, Ayodhya Uttar Pradesh
		Uttar Pradesh India
		2)Dr J P Sridhar
		3)Divya R
	00000000000000	1) Dr. Asha S Manel
	:G06Q0050060000,	5)Mr. Ronald Chiwariro
(51) International 1 1 100 (1)	G06N0020000000,	6)Shikha Kuchhal
(51) International classification	H04L0029080000,	7)Dr. Debdutta Barman Roy
	G06K0009320000,	8)G Johney
21) P. ' ' P	G01V0001000000	9)Ashish Suryavanshi
1) Priority Document No	:NA	10)Raghunandan Singh Baghel
2) Priority Date	:NA	11)Ms. Neha Singh
(33) Name of priority country	:NA	12)Mahesh Kumar A S
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Astha Singh Kushwaha,Dr. Rammanohar Lohia Ayadh
(87) International Publication No	: NA	University
(61) Patent of Addition to Application	:NA	2)Dr J P Sridhar, SJB Institute of Technology
Number	:NA	3)Divya R,PSG Institute of Technology and Applied
Filing Date	.1171	Research
(62) Divisional to Application Number	:NA	
Filing Date	:NA	4)Dr. Asha S Manek,RV Institute of Technology and
		Management
		5)Mr. Ronald Chiwariro, Jain University
		6)Shikha Kuchhal,Jamia Millia Islamia
		7)Dr. Debdutta Barman Roy, Brainware University
		8)G Johncy, St. Xavier's Catholic College of Engineering
		9) Ashish Suryavanshi, Vikram University
		10)Raghunandan Singh Baghel, Vikram University

(57) Abstract:

the current era, power grids are transformed into Smart Grids raising several challenges as penetration of smart devices in the existing power systems. Challenges are also posed on Information and Communication Technology due to these changes as it has to support services related to Smart Grids. In Smart Grid, power systems are integrated with Information and Communication Technology which has enabled distributed controls and real time services by the fusion of these technologies. In this invention, architecture of Smart Grid testbed is designed and developed by integrating algorithms of Artificial intelligence and real world wireless communication systems such that real time design requirements of Smart Grid testbed is met by this reconfigurable framework with stacking of full protocol in MAC layers and PHY layers. The proposed architecture has the reconfiguration property based on the network of wireless communication and advanced technologies of ICT which includes Machine Learning algorithm. A novel Smart Grid design is addressed with cross system interfacing that shows greater potential for evaluating power systems especially Smart Grids.

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



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Controller General of Patents, Designs & Trade Marks



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

Docket No 61441



Date/Time 2021/06/19 23:07:08

CBR Detail:

Sr. No.	Ref. No/Application No.	App. Number	Amount Paid	C.B.R. No.	Form Name	Remarks
1	202111027550	TEMP/E- 1/30829/2021- DEL	1600	21535	FORM 1	MACHINE LEARNING BASED SMART GRID POWER SYSTEM INTEGRATED WITH WIRELESS COMMUNICATION NETWORKS
2	E- 12/1183/2021/DEL	202111027550	2500	21535	FORM 9	



(19) INDIA

(22) Date of filing of Application:02/07/2021

(21) Application No.202141029724 A

(43) Publication Date: 16/07/2021

(54) Title of the invention: ARTIFICIAL INTELLIGENCE IOT BASED RESPIRATION RATE, OXYGEN VOLUME AND SLEEP MONITORING WEARABLE DEVICE FOR COVID PATIENTS USING SENSORS

(51) International classification	The state of the s	
(31) Priority Document No	:NA	3)DR. SAVITHA S K
(32) Priority Date	:NA	4)DR. ANITA PANKAJ PATIL
(33) Name of priority country	:NA	5)RAJASHEKHAR U
(86) International Application No	:NA	6)DR. J. P. SRIDHAR
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Santosh M Nejakar
(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA	2)PRATHIK JAIN S 3)DR. SAVITHA S K 4)DR. ANITA PANKAJ PATIL 5)RAJASHEKHAR U 6)DR. J. P. SRIDHAR 7)DR. RAJASHEKARGOUDA C PATIL

(57) Abstract:

Current methods for continuous respiration monitoring such as respiratory inductive or optoelectronic plethysmography are limited to clinical or research settings; most wearable systems reported only measures respiration rate. Here we introduce a wearable sensor capable of simultaneously measuring both respiration rate, volume with high delity and sleep. Our disposable respiration sensor with a Band-Aid like formfactor can measure both respiration rate and volume by simply measuring the local strain of the ribcage and abdomen during breathing. We demonstrate that both metrics are highly correlated to measurements from a medical grade continuous spirometer on participants at rest. Additionally, we also show that the system is capable of detecting respiration under various ambulatory conditions. Because these low-powered piezo-resistive sensors can be integrated with wireless Bluetooth units, they can be useful in monitoring patients with chronic respiratory diseases in everyday settings.

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





Application Filing Receipt

Government of India Patent Office

Intellectual Property Office Building, G.S.T. Road, Guindy,

Chennal -600032

Phone- 044-22502081-84

Fax: 044-22502066

e-mail: chennai-patent@nic.in

CBR date: 02-07-2021

CBR Number: 24098

Application Type: ORDINARY APPLICATION Priority Number; Priority Date: Priority Country: Not Selected

To.

Santosh M Nejakar

Santosh M Nejakar NEJAKAR TECHNOLOGIES, Haveri Siddadevanagar, Near Head Post Haveri Karnataka India 581110

Received documents purporting be to an application for patent numbered 202141029724 dated 02-07-2021 by Santosh M Nejakar of NEJAKAR TECHNOLOGIES, Haveri Siddadevanagar, Near Head Post Haveri Karnataka India 581110 relating to Artificial Intelligence IOT based Respiration rate, Oxygen volume and Sleep monitoring wearable device for COVID Patients using sensors together with the Complete and fee(s) of £1600 (One Thousand Six Hundred only).

Note:

 In case of 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 9(1) of the Patent Act. 1970

You may withdraw the application at any time before the grant of patent, if you with so. If, in addition to withdrawal, you also wish to pravent the publication of application in the Patent Office Journal, the application should be withdrawn within fifteen months from the date of priority of date of filing, whichever earlier.

 If not withdrawn, your application will be published in the Patent Office Journal after eighteen months from the date of priority of date of filing, whichever is earlier.

4. If you with to get your application examined, you should file a request for examination in Form-18 within 48 months from the date of priority or date of filing, whichever is earlier, failing which the application will be treated as withdrawn by the applicant under Section 11(8)(4) of the Patent Act, 1970.

(For Controller of Patents)





Extracts from the Register of Copyrights



Dated: 21/12/2021

Registration Number

Name, address and nationality of the applicant

L-109564/2021

MRS. V.SARALA, ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE ENGINEERING, MEENAKSHI COLLEGE OF ENGINEERING, CHENNAI 600092-INDIAN

INDIAN
DR RAVI KUMAR A V , ASSOCIATE PROFESSOR,
DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING, SJB INSTITUTE OF TECHNOLOGY, NO.67,
BGS HEALTH AND EDUCATION CITY, KENGERI,
BENGALURU-60-

DENOALURU-60INDIAN

DR.M.J.CHANDRASHEKAR, ASSOCIATE PROFESSOR,
DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING, SUB INSTITUTE OF TECHNOLOGY, NO.67,
BGS HEALTH AND EDUCATION CITY, KENGERI,
BENGALURU-60INDIAN

BENGALURU-60INDIAN
MR.J.JABINTH, ASSISTANT PROFESSOR,
MECHANICAL ENGINEERING,
RAMCO INSTITUTE OF TECHNOLOGY, RAJAPALAYAMINDIAN
DR. SUPREETH H S G, ASSOCIATE PROFESSOR,
DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING, SJB INSTITUTE OF TECHNOLOGY, NO.67,
BGS HEALTH AND EDUCATION CITY, KENGERI,
RENGALIZIU-60-BENGALURU-60-INDIAN

Nature of the applicant's interest in the copyright of the work

Class and description of the work

Title of the work

6. Language of the work

Name, address and nationality of the author and if the author is deceased, date of his decease

OWNER

LITERARY/ DRAMATIC WORK AN UNMANNED AUTOMATIC LAWNMOWER ASSEMBLY

AN UNMANNED AUTOMATIC LAWNMOWER ASSEMBLY

ENGLISH

MRS. V.SARALA , ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE ENGINEERING, MEENAKSHI COLLEGE OF ENGINEERING, CHENNAI 600092-

DR RAVI KUMAR A V , ASSOCIATE PROFESSOR, DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING, SJB INSTITUTE OF TECHNOLOGY, NO.67, BGS HEALTH AND EDUCATION CITY, KENGERI, BENGALURU-60-INDIAN

DR.M.J.CHANDRASHEKAR., ASSOCIATE PROFESSOR,
DEPARTMENT OF ELECTRICAL AND ELECTRONIC'S
ENGINEERING, SJB INSTITUTE OF TECHNOLOGY, NO.67,
BGS HEALTH AND EDUCATION CITY, KENGERI,
BENGALURU-60INDIAN

MR.J.JABINTH , ASSISTANT PROFESSOR, MECHANICAL ENGINEERING, RAMCO INSTITUTE OF TECHNOLOGY, RAJAPALAYAM-INDIAN

DR. SUPREETH H S G , ASSOCIATE PROFESSOR, DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING, SJB INSTITUTE OF TECHNOLOGY, NO.67, BGS HEALTH AND EDUCATION CITY, KENGERI, BENGALURU-60-INDIAN

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Years aries of subsequent publications, if any, and names, addresses and nationalities of the publishers

st publication and name, address and

N.A.

N.A.

UNPUBLISHED

DEPUTY REGISTRAR OF COPYRIGHTS

Names, addresses and nationalities of the owners of various rights comprising the copyright in the work and the extent of rights held by each, together with particulars of assignments and licences, if

MRS V SARALA, ASSISTANT PROFESSOR, DEPORTMENT OF COMPUTER SCIENCE ENGINEERING, MEEN (KSHI COLLEGE OF ENGINEERING, CHENNAI 600002). COLLEGE OF ENGINEERING, CHENNAL 600022. INDIAN DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING, SIB INSTITUTE OF TECHNOLOGY, NO.67, BGS HEALTH AND EDUCATION CITY, KENGERI, BUNGALURU-60 BL NGALURU-60-INDIAN DR M I CHANDRASHEKAR, ASSOCIATE PROFESSOR, DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINFERING, SIB INSTITUTE OF TECHNOLOGY, NO.67, BGS HEALTH AND EDUCATION CITY, KENGERI, BENGALUBLEGO. BENGALURU-60.
INDIAN
MR J JABINTH, ASSISTANT PROFESSOR,
MECHANICAL ENGINEERING.
RAMCO INSTITUTE OF TECHNOLOGY, RAJAPALAYAM-INDIAN
DR SUPREETH H S.G., ASSOCIATE PROFESSOR,
DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING, SJB INSTITUTE OF TECHNOLOGY, NO. 67,
BGS HEALTH AND EDUCATION CITY, KENGERI,
BENGALURU-60.

Names, addresses and nationalities of other persons, if any, authorised to assign or licence of rights comprising the copyright

MRS. V SARALA , ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE ENGINEERING, MEENAKSHI COLLIGE OF ENGINEERING, CHENNAI 600092-INDIAN INDIAN
DR RAVI KUMAR A V , ASSOCIATE PROFESSOR,
DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING, SJB INSTITUTE OF TECHNOLOGY, NO 67.
BGS HEALTH AND EDUCATION CITY, KENGERI,
DESIGNALIBLE CO. BGS HEALTH AND EDUCATION CITY, KENGERI, BENGALURU-60-INDIAN DR M J CHANDRASHEKAR, ASSOCIATE PROFESSOR, DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, SJB INSTITUTE OF TECHNOLOGY, NO.67, BGS HEALTH AND EDUCATION CITY, KENGERI, BENGALURU-60-INDIAN MR LIABINITH. ASSISTANCE PROFESSOR. MRJJABINTH, ASSISTANT PROFESSOR, MECHANICAL ENGINEERING, RAMCO INSTITUTE OF TECHNOLOGY, RAJAPALAYAM-RAMCO INSTITUTE OF TECHNOLOGY, ROOM AND INDIAN DR. SUPREETH HIS G., ASSOCIATE PROFESSOR, DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING, SJB INSTITUTE OF TECHNOLOGY, NO.67, BGS HEALTH AND EDUCATION CITY, KENGERI, BENGALURU-60-INDIAN

If the work is an 'Artistic work', the location of the original work, including name, address and nationality of the person in possession of the work. (In the case of an architectural work, the year of completion of the work should also be shown).

N.A

INDIAN

14 If the work is an 'Artistic work' which is used or capable of being used in relation to any goods or services, the application should include a certification from the Registrar of Trade Marks in terms of the provision to Sub-Section (i) of Section 45 of the Copyright Act, 1957.

If the work is an 'Artistic work', whether it is registered under the Designs Act 2000 if yes give details.

N.A

If the work is an 'Artistic work', capable of being registered as a design under the Designs Act 2000, whether it has been applied to an article though an industrial process and, if yes, the number of times it is reproduced.

N.A.

17. Remarks, if any

Diary Number:

20571/2021-CO/L

Date of Application:

26/08/2021

Date of Receipt:

26/08/2021



DEPUTY REGISTRAR OF COPYRIGHTS

Diary Number : 20571/2021-CO/L Ministry of Commerce & Industry Department For Promotion of Industry & Internal Trade

Copyright Office

(Tel: 011--28032496)



Boudhik Sampada Bhawan, Plot No. 32, Sector 14, Dwarka New Delhi-110075 Dated :21/12/2021

To,

MRS. V.SARALA

ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE ENGINEERING, MEENAKSHI COLLEGE OF ENGINEERING, CHENNAI 600092,

Subject: Copyright Registration Certificate - forwarding of.

With reference to your application dated 26/08/2021, I have the honour to send herewith a copy of the extract from the Register of Copyrights with regard to the work

AN UNMANNED AUTOMATIC LAWNMOWER ASSEMBLY particulars of which have been entered in the Register of Copyrights.

Kindly acknowledge receipt of this letter.

Yours faithfully

Deputy Registrar of Copyrights

18/12/20M

This is system generated letter, signature not required.





CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021103555

The Commissioner of Patents has granted the above patent on 4 August 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:

MACHINE LEARNING BASED ENERGY EFFICIENT SMART CITY MANAGEMENT

Name of inventor(s):

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Dated this 4th day of August 2021

Commissioner of Patents



CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021103555

Term of Patent:

Eight years from 23 June 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 4th day of August 2021

Commissioner of Patents

(19) INDIA

(22) Date of filing of Application :25/08/2021

(21) Application No.202141038532 A

(43) Publication Date: 03/09/2021

(54) Title of the invention: A CLUTCH LEVER RESTRICTION ASSEMBLY

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:A61B0090000000, B60R0025000000, A61B0017000000, F02N0011100000 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)Dr. Pasupuleti Subrahmanya Ranjit Address of Applicant: Professor, Dept. of Mech. Engg Aditya Engineering College (A), Surampalem 533 437, E G Dist., A.P. Andhra Pradesh India 2)Dr. G Sreeramulu Mahesh 3)G M SURENDRANATHA 4)Dr. M. J. Chaudrushekar 5)Kumar Reddy Cheepati 6)Dr. N. Samanvita 7)Dr. S B Mohan 8)Dr. Prasanth Venkatareddy 9)S Chandra Sekhar 10)Dr. M. Sreenivasa Reddy (72)Name of Inventor: 1)Dr. Pasupuleti Subrahmanya Ranjit 2)Dr. G Sreeramulu Mahesh 3)G M SURENDRANATHA 4)Dr. M. J. Chandrashekar 5)Kumar Reddy Cheepati 6)Dr. N. Samanvita 7)Dr. S B Mohan 8)Dr. Prasanth Venkatareddy 9)S Chandra Sekhar
(57) Abstract:		10)Dr. M. Sreenivasa Reddy

Present invention relates to a vehicle safety method ensuring the vehicle does not move unless a supporting stand is lifted up. More particularly, the invention relates to gear based lever operated clutch restriction system to be installed in a vehicle, to make sure that the clutch does not operate when supporting stand of the vehicle is in downwards direction. When the supporting stand is in downward direction i.e. in ON condition, lever attached to the gear train will restrict the clutch movement. It is preferred that the shaft, gear, gear trains and lever are made up of Stainless Steel to provide robust system.

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



FORM 2 THE PATENTS ACT, 1970 (39 OF 1970) AND THE PATENT RULES, 2003 COMPLETE SPECIFICATION (See section 10 and rule 13)

A Clutch Lever Restriction Assembly

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	Illulali	(A), Surampalem – 533 437, E G Dist., A.P.
Reddy		by describes the invention and the manner in

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

(19) INDIA

(22) Date of filing of Application :27/10/2021

(21) Application No.202141049065 A

(43) Publication Date: 26/11/2021

(71)Name of Applicant:

(54) Title of the invention: A METHOD FOR CONTROLLING ACOUSTIC NOISE IN SWITCHED RELUCTANCE MOTOR

:H02P0021300000, H02P0025098000. (51) International G05B0013020000, H02P0025092000, classification H02K0019100000 (86) International :NA Application No :NA Filing Date (87) International : NA Publication No (61) Patent of Addition :NA to Application Number :NA Filing Date (62) Divisional to :NA Application Number :NA Filing Date

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(57) Abstract:

The present invention provides an artificial raindrop algorithm based controller for direct torque control to reduce maximum torque ripple to attain minimum acoustic noise in switched reluctance motor. Said direct torque control (21) consists of an artificial raindrop algorithm based controller (22) and proportional integral controller (23). The method for controlling acoustic noise consists of providing input data (13a) and determining error value from said input data (13a) using reference unit (15). Further, determining the proportional gain and integral gain for proportional integral controller (23) and providing control measures accordingly.

No. of Pages: 21 No. of Claims: 5

The Patent Office Journal No. 48/2021 Dated 26/11/2021

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Welcome Jyotiraman De Sign out

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

PROPERTY INDIA

Date/Time 09/11/2021

User Code: jd.dinpa

User Name: Jyotiraman De

Jyotiraman De A-704, Kamalraj Parijat, Alandi Road, Dighi

Sr. No.	Ref. No./Application No.	App. Number	Amount Paid	C.B.R. No.	Fee Payment	Remarks
ı	352801-001	12-00	1000	209596	Full	Two Wheeled Tilting Cum Lifting Hand Truck
2	352802-001	12-00	1000	209596	Full	Two Wheeled Barrel Moving Cum Pouring Hand Truck
3	352803-001	12-00	1000	209596	Full	Two Wheeled Moving Cum Relocating Hand Truck

FransactionID Payment Mode Challan Identification Number	Amount Paid	Hend of A/C No.

Total Amount : ₹ 3000

Amount in Words: Rupees Three Thousand Only

Received from Jyotiraman De the sum of ₹ 3000 on account of Payment of fee for above mentioned Application/Forms.

* This is a computer generated receipt, hecnce no signature required.

V marete.



Office of the Controller General of Patents, Designs & Trade Marks Department of Industrial Policy & Promotion, Ministry of Commerce & Industry, Government of India



	Application Details
APPLICATION NUMBER	202141022963
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	23/05/2021
APPLICANT NAME	1 . Shaik Mohammed Rafi 2 . Dr.Purnendu Shekhar Pandey 3 . G. Venkata Ramana Reddy 4 . Dr Varun V L 5 . Mr. Sankararao Majji 6 . Dr. Harikumar Pallathadka 7 . Dr.J Suresh Goud 8 . G.K.Jakir Hussain 9 . Dr.Manoranjan Dash 10 . Dr Balajee Maram 11 . Kaviyaraj R
TITLE OF INVENTION	A Novel Data Security System using Hybrid Cloud Computing
FIELD OF INVENTION	COMMUNICATION
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PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	
PUBLICATION DATE (U/S 11A)	11/06/2021

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	Application Details
APPLICATION NUMBER	202141019068
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	26/04/2021
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TITLE OF INVENTION	DESIGN OF N-BY-1 RECTANGULAR PATCH ANTENNA FOR 2.45 GHZ AND 5 GHZ GEOMETRY
FIELD OF INVENTION	ELECTRONICS
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PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	
PUBLICATION DATE (U/S 11A)	07/05/2021

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(19) INDIA

(22) Date of filing of Application :27/10/2021

(21) Application No.202141049065 A

(43) Publication Date: 26/11/2021

(54) Title of the invention: A METHOD FOR CONTROLLING ACOUSTIC NOISE IN SWITCHED RELUCTANCE MOTOR

(51) International classification	:H02P0021300000, H02P0025098000 G05B0013020000, H02P0025092000, H02K0019100000
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(57) Abstract :

The present invention provides an artificial raindrop algorithm based controller for direct torque control to reduce maximum torque ripple to attain minimum acoustic noise in switched reluctance motor. Said direct torque control (21) consists of an artificial raindrop algorithm based controller (22) and proportional integral controller (23). The method for controlling acoustic noise consists of providing input data (13a) and determining error value from said input data (13a) using reference unit (15). Further, determining the proportional gain and integral gain for proportional integral controller (23) and providing control measures accordingly.

No. of Pages: 21 No. of Claims: 5

Patent Office Journal No. 48/2021 Dated 26/11/2021

Signature of the applicant (Dr. Padmaja Venusopal)

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Office of the Controller General of Patents, Designs & Trade Marks Department of Industrial Policy & Promotion, Ministry of Commerce & Industry, Government of India



	Application Details
APPLICATION NUMBER	202041040472
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	18/09/2020
APPLICANT NAME	GIRISHA A
TITLE OF INVENTION	ORGANIC BODY WASHING DEVICEX
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	
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E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	
PUBLICATION DATE (U/S 11A)	25/03/2022

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(21) Application No.202141049065 A

(19) INDIA

) International

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(87) International

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(61) Patent of Addition

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(62) Divisional to

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classification

(22) Date of filing of Application :27/10/2021

:H02P0021300000, H02P0025098000,

G05B0013020000, H02P0025092000,

H02K0019100000

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:NA

:NA

(43) Publication Date: 26/11/2021

(54) Title of the invention: A METHOD FOR CONTROLLING ACOUSTIC NOISE IN SWITCHED RELUCTANCE MOTOR

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The present invention provides an artificial raindrop algorithm based controller for direct torque control to reduce maximum torque ripple to attain minimum acoustic noise in switched reluctance motor. Said direct torque control (21) consists of an artificial raindrop algorithm based controller (22) and proportional integral controller (23). The method for controlling acoustic noise consists of providing input data (13a) and determining error value from said input data (13a) using reference unit (15). Further, determining the proportional gain and integral gain for proportional integral controller (23) and providing control measures accordingly.

No. of Pages: 21 No. of Claims: 5

The Patent Office Journal No. 48/2021 Dated 26/11/2021

Roofs or

56379

Head of the Department

Department of Physics SJB Institute of Technology BGS Health & Education City Kengeri, Bangalore-560 000

Scanned with CamScanner

(12) PATENT APPLICATION PUBLICATION (19) INDIA

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B60G0017040000, F15B0001240000,

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:NA

:NA

:01/01/1900

(21) Application No.202241002186 A

(43) Publication Date: 04/02/2022

(22) Date of filing of Application:13/01/2022

(54) Title of the invention: DESIGN OF HYDRO-PNEUMATIC ISD SUSPENSION IN HEAVY MULTI-AXLE VEHICLES

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) Abstract :

(51) International

international

Filing Date

(61) Patent of Addition :NA

to Application Number :NA

dassification

Application No

(87) International

Filing Date

Application Number

Filing Date

(62) Divisional to

Publication No.

sydro pneumatic vehicle suspension system consists of two strut assemblies with hydraulic struts that work on at least one hydro umatic piston-type accumulator in a hydro pneumatic vehicle suspension system. Among other things, the accumulator comprises parating piston charged with hydraulic pressure on one side of a storage volume, pneumatic pressure on the other side of the ng chamber, and an additional spring force through a separating piston rod that protrudes from the piston-type accumulator. A sure medium cylinder works onto the separating piston rod and is connected to at least one pressure accumulator that creates tress pressure. The pressure medium cylinder's supplemental spring force acts upon the separating piston rod.

of Pages: 17 No. of Claims: 3

Head of the Department

Department of Physics SJB Institute of Technology

The Patent Office Journal No. 05/2022 Dated 04/02/2895 Health & Education City Kengeri, Bangalore-560 060 6249





Patent Search

Invention Title	PROPERTIES	DLY SYNTHESIS OF PYRROLO [1,2-A] QUINOLINE-3-CARBOXYLATE DERIVATIVES & THEIR STUDY OF ANTIBACTERIA ES	LAN
Publication Number	11/2020		
Publication Date	13/03/202	0	
Publication Type	INA		
Application Number	201941039	9384	
Application Filing Date	29/09/201	9	
Priority Number			
Priority Country			
Priority Date			
Field Of Invention	CHEMICAL		
Classification (IPC)	C07D0471	040000,C07D0519000000,G01N0033500000,C07D0487040000,C07D0215200000	
Inventor			
Name		Address	Col
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Applicant			



Department of Industrial Policy and Promotion Government of India

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4

BGS Health & Education City
Kengeri, Bangalore - 560 060.

(21) Application No.202041042387 A

(19) INDIA

(22) Date of filing of Application :29/09/2020

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(54) Title of the invention: SYNTHESIS AND CHARACTERIZATION OF (S)-3-(5-FLUOROPYRIDIN-2-YL)-5-(PIPERIDIN-3-YL)-1,2,4-OXADIAZOLE DERIVATIVES AND THEIR SECRETORY PHOSPHOLIPASE A2 (SPLA2) INHIBITOR ACTIVITY

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(32) Priority Date	:NA	3)Dr. GOVINDAPPA BANUPRAKASH
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(57) Abstract:

SYNTHESIS AND CHARACTERIZATION OF (S)-3-(5-FLUOROPYRIDIN-2-YL)-5-(PIPERIDIN-3-YL)-1,2,4-OXADIAZOLE DERIVATIVES AND THEIR SECRETORY PHOSPHOLIPASE A2 (sPLA2) INHIBITOR ACTIVITY Abstract: The present invention relates to development of novel (S)-3-(5-fluoropyridin-2-yl)-5-(piperidin-3-yl)-1,2,4-oxadiazole derivatives. It particularly relates to the development of novel compounds of (S)-3-(5-fluoropyridin-2-yl)-5-(piperidin-3-yl)-1,2,4-oxadiazole derivatives as inhibitors of Secretory Phospholipase A2 (sPLA2). It also relates synthetic process for preparation of novel compounds of (S)-3-(5-fluoropyridin-2-yl)-5-(piperidin-3-yl)-1,2,4-oxadiazole derivatives as inhibitors of Secretory Phospholipase A2 (sPLA2). It further relates to the development of composition with novel compounds of (S)-3-(5-fluoropyridin-2-yl)-5-(piperidin-3-yl)-1,2,4-oxadiazole derivatives for inhibition of Secretory Phospholipase A2 (sPLA2). The final compounds were characterized by 1H and 13C-NMR, IR, LC-MS and Elemental analysis. In vitro inhibitory effect of series of 7(a-s) [Formula I] on VRV-PL-8a were assessed for PLA2 inhibition studies. The tested compounds 7(a-s) [Formula I] inhibited sPLA2 in dose-dependent manner with an IC50 value ranging from 9.2 to 82µM which are computed and analyzed using sigmoidal 4PL curve t.

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HR, HU, ID, IL, IN, IR, IS, IT, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ. OM. PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

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(54) Title: N-(4-FLUOROPHENYL)-5-PHENYL-[1,2,4] TRIAZOLO [1,5-A] PYRIDINE-2-CARBOXAMIDE DERIVATIVES AND THEIR SYNTHESIS THEREOF

(57) Abstract: The present invention relates to the development of novel N-(4-fluorophenyl)-5-phenyl- [1,2,4]triazolo[1,5-a]pyridine-2-carboxamide derivatives for their different pharmacological activities. It particularly relates to the development of N-(4-fluorophenyl)-5-phenyl- [1,2,4]triazolo[1,5-a]pyridine-2-carboxamide derivatives as antiviral, anticancer, antifungal, hypoglycemic, anti-tubercular, sedative, anti-type 2 diabetes activity. It specifically relates to the N-(4-fluorophenyl)-5-phenyl-[1,2,4]triazolo[1,5-a]pyridine-2-carboxamide derivatives for treatment of H37Rv and multidrug-resistant (MDR) strains of Mycobacterium tuberculosis (MTB). The present invention also relates to the process for synthesis of N-(4-fluorophenyl)- 5-phenyl-[1,2,4]triazolo[1,5alpyridine-2-carboxamide derivatives. The invention further relates to method for treatment of method for treatment of diseases such as tuberculosis, type 2 diabetes, bacterial, viral and fungal infections. Invention addresses the challenges in working with chemical processes and products by inventing novel reaction methodology that can maximize the desired products and minimize by-products, designing new synthetic schemes that can simplify operations in chemical productions and seeking nontoxic reagent that are inherently environmentally and ecologically benign. Synthesis of novel N-(4-fluorophenyl)-5-phenyl-[1,2,4]triazolo[1,5-a]pyridine-2-carboxamide derivatives is being employed to develop a novel synthetic methodology and their pharmacological applications. Novel series of N-(4-fluorophenyl)-5-phenyl-[1,2,4]triazolo[1,5-a]pyridine-2-carboxamide derivatives were designed synthesized evaluated for their in vitro anti-mycobacterial activity against H37Rv and multi-drug-resistant (MDR) strains of mycobacterium tuberculosis (MTB). All the synthesized compounds were characterized by spectroscopic methods like Mass, NMR and elemental analysis,

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Abstract:

N-(4-FLUOROPHENYL)-5-PHENYL-[1,2,4] TRIAZOLO [1,5-a] PYRIDINE-2-CARBOXAMIDE DERIVATIVES AND THEIR SYNTHESIS THEREOF Abstract The present invendevelopment of novel N-(4-fluorophenyl)-5-phenyl-[1,2,4]triazolo[1,5-a]pyridine-2-carboxamide derivatives for their different pharmacological activities. It partitude development of N-(4-fluorophenyl)-5-phenyl-[1,2,4]triazolo[1,5-a]pyridine-2-carboxamide derivatives as antiviral, anticancer, antifungal, hypoglycemic, antisedative, anti-type 2 diabetes activity. It specifically relates to the N-(4-fluorophenyl)-5-phenyl-[1,2,4]triazolo[1,5-a]pyridine-2-carboxamide derivatives for treatr multidrug-resistant (MDR) strains of Mycobacterium tuberculosis (MTB). The present invention also relates to the process for synthesis of N-(4-fluorophenyl)-5-[1,2,4]triazolo[1,5-a]pyridine-2-carboxamide derivatives. The invention further relates to method for treatment of method for treatment of diseases such as tul diabetes, bacterial, viral and fungal infections. Invention addresses the challenges in working with chemical processes and products by inventing novel reaction can maximize the desired products and minimize by-products, designing new synthetic schemes that can simplify operations in chemical productions and seek reagent that are inherently environmentally and ecologically benign. Synthesis of novel N-(4-fluorophenyl)-5-phenyl-[1,2,4]triazolo[1,5-a]pyridine-2-carboxamid being employed to develop a novel synthetic methodology and their pharmacological applications. Novel series of N-(4-fluorophenyl)-5-phenyl-[1,2,4]triazolo[1 carboxamide derivatives were designed synthesized evaluated for their in vitro anti-mycobacterial activity against H37Rv and multi-drug-resistant (MDR) strain tuberculosis (MTB). All the synthesized compounds were characterized by spectroscopic methods like Mass, NMR and elemental analysis.

Complete Specification

Claims:We Claim,

1. Compound of N-(4-fluorophenyl)-5-phenyl-[1,2,4]triazolo[1,5-a]pyridine-2-carboxamide derivative having the formula (I):

Wherein

R = 2-F, 2-OMe, 2-Cland 5-CF3, 4-OCF3, 4-Vinyl, 4H, 3-F and 2-Ethoxy.

- 2. Compound as claimed in claim 1 wherein the halogen is selected from fluorine (F) and chlorine (Cl).
- 3. Compound as claimed in claim 1 wherein the compound selected is from the group consisting of :

1 (a)

I (b)

1(c)

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DEPARTMET DE PRESES, SACUATY OF REIGNÆRING & TICHPOLOGY, JAIN DREMED-TO DE UNIVERSITY KANAKAPLRA (DALUK), RAMANGGERA GUSTI HANGALORK DELLK, KARNAT AKA, PEKA, BERRABERE DIGITAL AND ALL SECTION AS A DESCRIPTION OF A DESCRIPTION OF A DESCRIPTION OF AN OPERATE OF BE UNIVERSELY AND ADDRESS OF A DESCRIPTION OF A DE SERIES HE APPLICATION OF THE CONTROL THAT THE RESERVE AND THE PROPERTIES OF THE CONTROL BE CONTROL TO THE CONTROL THAT THE CO diens et Agricus departations for antique et alla alla designation de la conservation de J Ometarny of Mathemanics, for elly of forcomference, a technology, paid defamo, for he ediversity. Barakangara femilike ramanagara (internalagara) aras alore bezen, karokitara, intra embologis. AMERICANDEL TOST, KARAKAPERA CIALIS, RAMENDERAGURET BERNER BERNER TECHNOLOGY, MAI DEFARINTO DE CONVERSITY BUR AMITHA R SERVICE A PRODE OFFERMENT DE CHEMENTEN, FACILITY OF ENCORPERIO, A TECHNOLOGY, MAI DEFARINTO DE CONVERSITY CARACANDERA (TOST), KANAKAPERA CIALISC, RAMENDERAGURET) BEAUGALORE SERIE, KARVATAKA, DEBU DEBURGET CARACANDERA (TOST), KANAKAPERA CIALISC, RAMENDERAGURET) BEAUGALORE SERIE, KARVATAKA, DEBU DEBURGET CARACANDERA (TOST), KANAKAPERA CIALISC, BAMENDERAGURET, DEBURGET, BEAUGALORE SERIES, KARVATAKA, DEBURGET, DEBURGT, DEBURGET, DEBURGT, DEBURCT, DEBURGT, DEB SERBET ARTHUR DE FARMANDER COMEN. EAM ONZE SEA ORST BEAUGUSTE SPECE, AND SOUTH THE OF TECHNOLOGY, UTTARABALLI BAMER REPART GERTRET APPENDE ASSISTANT PROFESSOR DE PARIMENT OF CHEMISTEN. CAP BLOCK, SIR INSTITUTE OF TECHNOLOGY, UTTARABALLI GOLD E BANDET RENDE AT ORE 50000. KAPNATAKA, FURIA BERGERY. THE MINAMENTAL ASSOCIATION FOR THE PROPERTY OF THE PROPERTY OF

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(57) Abstract:

An advanced image processing technique for early detection of lung cancers and treating them through Artificial Intelligence enabled Nano Particles is the proposed invention. The invention aims at analysing the lung cancer and identifying the cancerous nodes at earlier stages itself. The image processing techniques are used for early detection of lung cancer. The techniques of Artificial Intelligence are used for targeted delivery of Nano Particles to the Lymph Nodes.

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

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