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 Department of Industrial Policy & Promotion,
 Ministry of Commerce & Industry,
 Government of India

सत्यमेव जयते

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Application Details

| | |
|----------------------------------|---|
| APPLICATION NUMBER | 202211013100 |
| APPLICATION TYPE | ORDINARY APPLICATION |
| DATE OF FILING | 10/03/2022 |
| APPLICANT NAME | 1 . Priyank Sirohi 2 . Amit Kumar Singh Sanger 3 . Raj Kumar 4 . Avinash Kumar Sharma 5 . Harsh Khatter |
| TITLE OF INVENTION | CLOUD BASED RESOURCE MANAGEMENT SYSTEM FOR DISTRIBUTED ENVIRONMENT |
| FIELD OF INVENTION | COMPUTER SCIENCE |
| E-MAIL (As Per Record) | harshkhatter1988@gmail.com |
| ADDITIONAL-EMAIL (As Per Record) | harsh.khatter@kiet.edu |
| E-MAIL (UPDATED Online) | |
| PRIORITY DATE | |
| REQUEST FOR EXAMINATION DATE | -- |
| PUBLICATION DATE (U/S 11A) | 18/03/2022 |

Application Status

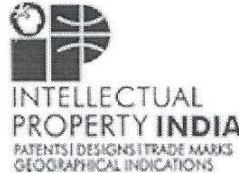
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| APPLICATION STATUS | Awaiting Request for Examination |
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3.4.5.1

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Application Details

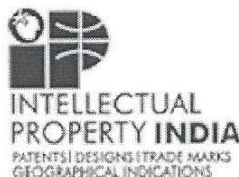
| | |
|----------------------------------|--|
| APPLICATION NUMBER | 202211023159 |
| APPLICATION TYPE | ORDINARY APPLICATION |
| DATE OF FILING | 20/04/2022 |
| APPLICANT NAME | 1 . Dr S.K.UmaMaheswaran 2 . Dr Sivasakthi Balan K 3 . Dr M. K. Sharma 4 . RAJ KUMAR JAISWAL 5 . MORUKURTHI SREENIVASU 6 . Priyanka Dilip Waware 7 . Sanjeev Kumar 8 . Mrs G.Ramani 9 . Dr Bhasker Pant 10 . Jitendra Kurmi 11 . Mr Ankit Jain 12 . Priyanka Aggarwal |
| TITLE OF INVENTION | IOT & CYBER SECURITY BASED ADVANCED ACCIDENT MONITORING SYSTEM USING THINGSPEAK WEB SERVER |
| FIELD OF INVENTION | COMPUTER SCIENCE |
| E-MAIL (As Per Record) | a2zsoftech.2010@gmail.com |
| ADDITIONAL-EMAIL (As Per Record) | a2zsoftech.2010@gmail.com |
| E-MAIL (UPDATED Online) | |
| PRIORITY DATE | |
| REQUEST FOR EXAMINATION DATE | -- |
| PUBLICATION DATE (U/S 11A) | 06/05/2022 |

Application Status



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Application Details

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|----------------------------------|---|
| APPLICATION NUMBER | 202211023281 |
| APPLICATION TYPE | ORDINARY APPLICATION |
| DATE OF FILING | 20/04/2022 |
| APPLICANT NAME | 1 . Dr Baig Muntajeeb Ali 2 . PRASHANT KUMAR MAVI 3 . Dr Kamaljeet Kaur 4 . M. K. Sharma 5 . Larissa Souza Amaral 6 . Erich Potrich 7 . Dr Deo Karan Ram 8 . Dr Rupesh Ramesh Deore 9 . Mr Surendra Kumar Shukla 10 . Harpreet Singh Bedi 11 . Mr Ankit Jain 12 . Ms Priyanka Aggarwal |
| TITLE OF INVENTION | CUSTOMIZABLE DATA SCIENCE EDUCATIONAL ENVIRONMENT: FROM COMPETENCES MANAGEMENT AND CURRICULUM DESIGN TO VIRTUAL LABS ON-DEMAND |
| FIELD OF INVENTION | COMPUTER SCIENCE |
| E-MAIL (As Per Record) | a2zsofttech.2010@gmail.com |
| ADDITIONAL-EMAIL (As Per Record) | |
| E-MAIL (UPDATED Online) | |
| PRIORITY DATE | |
| REQUEST FOR EXAMINATION DATE | -- |
| PUBLICATION DATE (U/S 11A) | 06/05/2022 |



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Application Details

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|----------------------------------|--|
| APPLICATION NUMBER | 202211007882 |
| APPLICATION TYPE | ORDINARY APPLICATION |
| DATE OF FILING | 15/02/2022 |
| APPLICANT NAME | 1 . Dr. RUPAK SHARMA 2 . <u>Dr. AMIT SHARMA</u> 3 . Dr. PRAVEEN B. M. 4 . Dr. AJAY SINGH YADAV 5 . Mr. SACHIN KUMAR RAI 6 . Dr. PRIYANKA AGARWAL 7 . Dr. AKSHITA CHAUDHARY 8 . Mr. HIRDESH SHARMA 9 . Mr. DEVANSHU DUBE 10 . Dr. SACHIN KUMAR |
| TITLE OF INVENTION | BIG DATA FRAMEWORK FOR DATA MONITORING ON A SMART CAMPUS |
| FIELD OF INVENTION | COMPUTER SCIENCE |
| E-MAIL (As Per Record) | dr.rupaksharma21@gmail.com |
| ADDITIONAL-EMAIL (As Per Record) | dr.rupaksharma21@gmail.com |
| E-MAIL (UPDATED Online) | |
| PRIORITY DATE | |
| REQUEST FOR EXAMINATION DATE | -- |
| PUBLICATION DATE (U/S 11A) | 25/02/2022 |

Application Status

Amit Sharma
Amit Sharma



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Application Details

| | |
|----------------------------------|--|
| APPLICATION NUMBER | 202231023094 |
| APPLICATION TYPE | ORDINARY APPLICATION |
| DATE OF FILING | 19/04/2022 |
| APPLICANT NAME | 1 . Dr.Mayank Kumar 2 . Dr.Rahul Das gupta 3 . Dr.Khel Prakash Jayant 4 . Nidhi bansal 5 . Tarun Kumar 6 . Prof. (Dr.) Mamta Gaur 7 . Dr.Amit Sharma 8 . Pramod Kumar Sagar 9 . Dr.S.Sivanaga Malleswarara Rao 10 . Dr Srinivasa Rao Perla 11 . Dr ChVS Parameswara Rao 12 . Dr.Deepak Sharma |
| TITLE OF INVENTION | DEVICE AND METHOD FOR DETECTING EARLY STROKE SYMPTOMS IN OLD AGED PEOPLE |
| FIELD OF INVENTION | COMPUTER SCIENCE |
| E-MAIL (As Per Record) | senanipindia@gmail.com |
| ADDITIONAL-EMAIL (As Per Record) | drsivashankars@gmail.com |
| E-MAIL (UPDATED Online) | |
| PRIORITY DATE | |
| REQUEST FOR EXAMINATION DATE | -- |
| PUBLICATION DATE (U/S 11A) | 20/05/2022 |



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Application Details

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|----------------------------------|---|
| APPLICATION NUMBER | 202221027901 |
| APPLICATION TYPE | ORDINARY APPLICATION |
| DATE OF FILING | 15/05/2022 |
| APPLICANT NAME | 1 . Dr. Varun Kumar 2 . Dr. Mridul Kumar Gupta 3 . Prof. Manu Pratap Singh 4 . Dr. Ashish Chaturvedi 5 . Dr. Pramila Bajpai 6 . Dr. Sanjay Yadav 7 . Dr. Vishnu Shankar |
| TITLE OF INVENTION | A SYSTEM FOR MATHEMATICAL MODELLING FOR PASSWORD AUTHENTICATION OF GRAPHICAL IMAGES WITH MACHINE LEARNING AND METHOD THEREOF |
| FIELD OF INVENTION | COMPUTER SCIENCE |
| E-MAIL (As Per Record) | drvarunbajpai@gmail.com |
| ADDITIONAL-EMAIL (As Per Record) | iprsince2014@hotmail.com |
| E-MAIL (UPDATED Online) | |
| PRIORITY DATE | |
| REQUEST FOR EXAMINATION DATE | -- |
| PUBLICATION DATE (U/S 11A) | 27/05/2022 |

Application Status



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Application Details

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|----------------------------------|---|
| APPLICATION NUMBER | 202211030992 |
| APPLICATION TYPE | ORDINARY APPLICATION |
| DATE OF FILING | 30/05/2022 |
| APPLICANT NAME | Chaudhary Charan Singh University, Meerut |
| TITLE OF INVENTION | NOVEL PROCESS FOR PREVENTION AND CONTROL OF TYPE-2 DIABETES |
| FIELD OF INVENTION | BIOTECHNOLOGY |
| E-MAIL (As Per Record) | postmaster@ipvase.com |
| ADDITIONAL-EMAIL (As Per Record) | postmaster@ipvase.com |
| E-MAIL (UPDATED Online) | |
| PRIORITY DATE | |
| REQUEST FOR EXAMINATION DATE | -- |
| PUBLICATION DATE (U/S 11A) | 22/07/2022 |

Application Status

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| APPLICATION STATUS | Awaiting Request for Examination |
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Application Details

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|----------------------------------|---|
| APPLICATION NUMBER | 202211037152 |
| APPLICATION TYPE | ORDINARY APPLICATION |
| DATE OF FILING | 28/06/2022 |
| APPLICANT NAME | Chaudhary Charan Singh University, Meerut |
| TITLE OF INVENTION | MOLYBDENUM DISULFIDE NANOCACTUS AND METHOD OF PREPARATION THEREOF |
| FIELD OF INVENTION | CHEMICAL |
| E-MAIL (As Per Record) | postmaster@ipvase.com |
| ADDITIONAL-EMAIL (As Per Record) | postmaster@ipvase.com |
| E-MAIL (UPDATED Online) | |
| PRIORITY DATE | |
| REQUEST FOR EXAMINATION DATE | -- |
| PUBLICATION DATE (U/S 11A) | 22/07/2022 |

Application Status

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| APPLICATION STATUS | Awaiting Request for Examination |
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Application Details

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|----------------------------------|--|
| APPLICATION NUMBER | 202211033904 |
| APPLICATION TYPE | ORDINARY APPLICATION |
| DATE OF FILING | 14/06/2022 |
| APPLICANT NAME | 1 . Beer Pal Singh 2 . Updesh Verma 3 . Shrestha Tyagi |
| TITLE OF INVENTION | AIR BORNE MICROBE SHIELD AND AIR PURIFIER AND METHOD THEREOF |
| FIELD OF INVENTION | MECHANICAL ENGINEERING |
| E-MAIL (As Per Record) | postmaster@ipvase.com |
| ADDITIONAL-EMAIL (As Per Record) | postmaster@ipvase.com |
| E-MAIL (UPDATED Online) | |
| PRIORITY DATE | |
| REQUEST FOR EXAMINATION DATE | -- |
| PUBLICATION DATE (U/S 11A) | 22/07/2022 |

Application Status

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| APPLICATION STATUS | Awaiting Request for Examination |
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Application Details

| | |
|----------------------------------|---|
| APPLICATION NUMBER | 202211037307 |
| APPLICATION TYPE | ORDINARY APPLICATION |
| DATE OF FILING | 29/06/2022 |
| APPLICANT NAME | 1 . Beer Pal Singh 2 . Shrestha Tyagi |
| TITLE OF INVENTION | NOVEL METHOD FOR SIZE CONTROLLED SYNTHESIS OF NANOPARTICLES |
| FIELD OF INVENTION | MECHANICAL ENGINEERING |
| E-MAIL (As Per Record) | postmaster@ipvase.com |
| ADDITIONAL-EMAIL (As Per Record) | postmaster@ipvase.com |
| E-MAIL (UPDATED Online) | |
| PRIORITY DATE | |
| REQUEST FOR EXAMINATION DATE | -- |
| PUBLICATION DATE (U/S 11A) | 22/07/2022 |

Application Status

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| APPLICATION STATUS | Awaiting Request for Examination |
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Application Details

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|----------------------------------|---|
| APPLICATION NUMBER | 202211030993 |
| APPLICATION TYPE | ORDINARY APPLICATION |
| DATE OF FILING | 30/05/2022 |
| APPLICANT NAME | Chaudhary Charan Singh University, Meerut |
| TITLE OF INVENTION | SILVER NANOPARTICLE BASED NANOPESTICIDAL FORMULATION AND METHOD THEREOF |
| FIELD OF INVENTION | CHEMICAL |
| E-MAIL (As Per Record) | postmaster@ipvase.com |
| ADDITIONAL-EMAIL (As Per Record) | postmaster@ipvase.com |
| E-MAIL (UPDATED Online) | |
| PRIORITY DATE | |
| REQUEST FOR EXAMINATION DATE | -- |
| PUBLICATION DATE (U/S 11A) | 22/07/2022 |

Application Status

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Application Details

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|----------------------------------|--|
| APPLICATION NUMBER | 202211032116 |
| APPLICATION TYPE | ORDINARY APPLICATION |
| DATE OF FILING | 05/06/2022 |
| APPLICANT NAME | Chaudhary Charan Singh University, Meerut |
| TITLE OF INVENTION | ZINC OXIDE BASED NANOFERTILIZER FORMULATION AND METHOD THEREOF |
| FIELD OF INVENTION | CHEMICAL |
| E-MAIL (As Per Record) | postmaster@ipvase.com |
| ADDITIONAL-EMAIL (As Per Record) | postmaster@ipvase.com |
| E-MAIL (UPDATED Online) | |
| PRIORITY DATE | |
| REQUEST FOR EXAMINATION DATE | -- |
| PUBLICATION DATE (U/S 11A) | 22/07/2022 |

Application Status

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| APPLICATION STATUS | Awaiting Request for Examination |
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Application Details

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|----------------------------------|---|
| APPLICATION NUMBER | 202211032117 |
| APPLICATION TYPE | ORDINARY APPLICATION |
| DATE OF FILING | 05/06/2022 |
| APPLICANT NAME | Chaudhary Charan Singh University, Meerut |
| TITLE OF INVENTION | THERMAL CURABLE HIGH IMPACT RESISTANT LAMINATED GLASS AND A PROCESS FOR PREPERATION THEREOF |
| FIELD OF INVENTION | CHEMICAL |
| E-MAIL (As Per Record) | postmaster@ipvase.com |
| ADDITIONAL-EMAIL (As Per Record) | postmaster@ipvase.com |
| E-MAIL (UPDATED Online) | |
| PRIORITY DATE | |
| REQUEST FOR EXAMINATION DATE | -- |
| PUBLICATION DATE (U/S 11A) | 22/07/2022 |

Application Status

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| APPLICATION STATUS | Awaiting Request for Examination |
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Application Details

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|----------------------------------|---|
| APPLICATION NUMBER | 202211002550 |
| APPLICATION TYPE | ORDINARY APPLICATION |
| DATE OF FILING | 17/01/2022 |
| APPLICANT NAME | 1 . DR. GOPAL BIHARI SARASWAT 2 . DR. NAND KISHORE SINHA 3 . DR. SHUCHITA SINGH 4 . BAL KRISHNA SARASWAT 5 . DR. MADHAV SARASWAT 6 . DR. A.K. SHARMA |
| TITLE OF INVENTION | IOT-BASED HYBRID ORGANIZATIONAL SYSTEM FOR DIFFERENT DEPARTMENTS IN A COMPANY |
| FIELD OF INVENTION | COMMUNICATION |
| E-MAIL (As Per Record) | drarvindkumarsharma@gmail.com |
| ADDITIONAL-EMAIL (As Per Record) | |
| E-MAIL (UPDATED Online) | |
| PRIORITY DATE | |
| REQUEST FOR EXAMINATION DATE | -- |
| PUBLICATION DATE (U/S 11A) | 28/01/2022 |

Application Status

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| APPLICATION STATUS | Awaiting Request for Examination |
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Application Details

| | |
|----------------------------------|---|
| APPLICATION NUMBER | 202211033229 |
| APPLICATION TYPE | ORDINARY APPLICATION |
| DATE OF FILING | 10/06/2022 |
| APPLICANT NAME | 1 . Dr. Sachi Rana 2 . Dr. Geetika Shukla 3 . Dr. Devesh Gupta 4 . Anurag Mathur 5 . Dr. Priya Singh 6 . Somya Sharma 7 . Dr. Manoj Sharma 8 . Dr. Mihir Joshi 9 . Vimal Prasad 10 . Dr. Pradeep Kumar |
| TITLE OF INVENTION | AN INNOVATIVE ARTIFICIAL INTELLIGENCE-BASED FRAMEWORK FOR FINANCIAL MANAGEMENT |
| FIELD OF INVENTION | COMPUTER SCIENCE |
| E-MAIL (As Per Record) | drsachirana@gmail.com |
| ADDITIONAL-EMAIL (As Per Record) | |
| E-MAIL (UPDATED Online) | |
| PRIORITY DATE | |
| REQUEST FOR EXAMINATION DATE | -- |
| PUBLICATION DATE (U/S 11A) | 17/06/2022 |



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Government of India

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Application Details

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|----------------------------------|---|
| APPLICATION NUMBER | 202211029641 |
| APPLICATION TYPE | ORDINARY APPLICATION |
| DATE OF FILING | 24/05/2022 |
| APPLICANT NAME | 1 . Priyank Sirohi 2 . Arpit Chhabra 3 . Dr Manav Bansal 4 . Akansha Moral 5 . Raj Kumar 6 . Harsh Khatter |
| TITLE OF INVENTION | DETECTION OF ROAD CONDITIONS VIA GPS ENABLE SYSTEM THEREOF |
| FIELD OF INVENTION | COMPUTER SCIENCE |
| E-MAIL (As Per Record) | harshkhatter1988@gmail.com |
| ADDITIONAL-EMAIL (As Per Record) | harsh.khatter@kiet.edu |
| E-MAIL (UPDATED Online) | |
| PRIORITY DATE | |
| REQUEST FOR EXAMINATION DATE | -- |
| PUBLICATION DATE (U/S 11A) | 03/06/2022 |

Application Status

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| APPLICATION STATUS | Awaiting Request for Examination |
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US00PP33197P3

(12) **United States Plant Patent**
Lavania et al.

(10) **Patent No.:** **US PP33,197 P3**

(45) **Date of Patent:** **Jun. 22, 2021**

(54) **VETIVER PLANT NAMED**
‘CIMAP-FORAGIKA’

CPC A01H 5/00; A01H 5/12
See application file for complete search history.

(50) Latin Name: *Vetiveria* (syn. *Chrysopogon*)
zizanioides
Varietal Denomination: **CIMAP-FORAGIKA**

Primary Examiner — Kent L Bell
(74) Attorney, Agent, or Firm — BakerHostetler

(71) Applicant: **COUNCIL OF SCIENTIFIC AND**
INDUSTRIAL RESEARCH, New
Delhi (IN)

(57) **ABSTRACT**

(72) Inventors: **Umesh Chandra Lavania**, Uttar
Pradesh (IN); **Seshu Lavania**, Uttar
Pradesh (IN); **Vimala Yerramilli**, Uttar
Pradesh (IN); **Basant Kumar Dubey**,
Uttar Pradesh (IN); **Madhavi Singh**,
Uttar Pradesh (IN)

The present invention relates to the development of a novel, morphologically and genetically distinct clone of vetiver [*Vetiveria zizanioides* (L.) Nash. syn. *Chrysopogon zizanioides* (L.) Roberty; family Poaceae] named ‘CIMAP-FORAGIKA’ that offers an ideal plant type to realize the twin application of Vetiver i.e. mitigation of soil erosion and landslides, as well as, a prospective forage in eco-plantations and cropping systems. This clone sports—(i) deep penetrating tufted roots coupled with profuse lateral secondary and tertiary roots that form an interwoven web of roots facilitating enhanced soil binding in landslide and erosion prone sites; and (ii) profuse shoot tillers bearing thinner leaves that have reduced (less) lignified tissue enabling leaf softness and palatability. The leaves of this clone are rich in protein (41 g/kg fresh weight) and crude fiber content (25 g/kg dry weight) but low in carbohydrates (31 g/kg dry weight), thus providing desirable digestibility and nutritional features. The clone has distinct morphological appearance differentiated by overall broader leaves (lamina width 12 mm compared to others ranging from 6.5 to 9 mm), lamina length 1.6 meter, and huge tiller production (>1.5 times) from amongst the other clones. The clone was identified as a natural variant occurring in a cultivated area having desired characteristics and was scored out from among the bulk of diverse wild collections. The identified clone is seed sterile i.e. a noninvasive feature necessary for global acceptance. This clone is characterized by a distinct DNA finger print, and can be asexually propagated for commercial plantation through slips (i.e. rooted tillers) arising from vegetative shoots.

(73) Assignee: **COUNCIL OF SCIENTIFIC AND**
INDUSTRIAL RESEARCH, New
Delhi (IN)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **16/602,460**

(22) Filed: **Oct. 11, 2019**

(65) **Prior Publication Data**
US 2021/0112694 P1 Apr. 15, 2021

(51) **Int. Cl.**
A01H 5/12 (2018.01)
A01H 6/46 (2018.01)

(52) **U.S. Cl.**
USPC **Plt./384**
CPC *A01H 6/46* (2018.05)

(58) **Field of Classification Search**
USPC Plt./384

4 Drawing Sheets

Specification includes a Sequence Listing.

1

2

Latin name of the genus and species of the plant claimed:
Latin name of the genus and species claimed: *Vetiveria*
(syn. *Chrysopogon*) Species: *zizanioides*.
Variety denomination: ‘CIMAP-FORAGIKA’.

BACKGROUND OF THE INVENTION

Vetiver, *Vetiveria zizanioides* (L.) Nash. (*Chrysopogon zizanioides* L. Roberty), a C4 plant has been nicknamed as miracle grass that can grow under drought/stress, water logging, 4-11 pH, sewage/waste water, and can thrive under temperature conditions ranging from 5-50° C. Its roots are valued for perfumery oil since ancient times; and hedges for contour protection. Organized cultivation of vetiver has been in practice since 1940s in southern states of India, although its collection from wild has been there since centuries in northern states of the country for its aromatic roots, and root oil considered as perfume in its own right (Lavania UC, 2003; Lavania, 2008). Vetiver root oil is

accumulated in the innermost cortical cell layers adjoining endodermis and also in the lysigenous aerenchyma in naturally grown plants. Lately, vetiver has been extensively utilized for its multifarious environmental applications in over 100 countries, mainly for soil and slope stabilization owing to its vertically growing deep penetrating web forming root growth pattern (Lavania 2008; Banerjee et al.; 2019). Further, vetiver grass model has been considered as a potential green resource for sequestration of atmospheric carbon into subsoil likened to trees (Lavania UC & Lavania, S., 2009). Also, young shoots of vetiver grass are considered to have the qualities of edible herbage that may be used as ruminant feed if mixed with other good quality feed and forages (Lukiwati, 2015). India is considered as the centre of origin and dispersion of this miracle grass (Lavania, 2002, 2008). Two diverse geographic complexes are known to be occurring in India: (i) the north Indian type characterized by profuse flowering seed forming types that sports thick but smooth roots with low content of essential oil, and (ii) south



Australian Government

IP Australia

P. 10

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2020103050

The Commissioner of Patents has granted the above patent on 13 January 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Pankaj kumar of Electronics & Communication Engineering, SCRIET, CCS University Meerut Uttar Pradesh 250003 India

Abhas Kanungo of Electronics and Instrumentation Engg., KIET Group of Institutions, Delhi-NCR Ghaziabad, Uttar Pradesh 201206 India

Varun Gupta of Electronics & Instrumentation Engg., KIET Group of Institutions Delhi-NCR, Ghaziabad Uttar Pradesh 201206 India

Parvin Kumar of Electronics & Communication Engineering, KIET Group of Institutions Delhi-NCR, Ghaziabad Uttar Pradesh 201206 India

Shilpi . of Electronics & Communication Engineering, Shriram Group of Colleges Parikarma Marg, Muzaffarnagar, Uttar Pradesh 251001 India

Title of invention:

Textile antennas for human body wearable applications using bent conditions

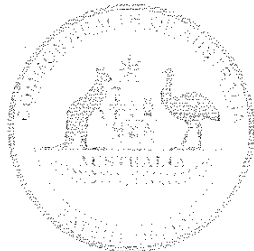
Name of inventor(s):

kumar, Pankaj; Kanungo, Abhas; Gupta, Varun; Kumar, Parvin and ., Shilpi

Term of Patent:

Eight years from 28 October 2020

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



Dated this 13th day of January 2021

Commissioner of Patents

Pankaj Kumar

PATENTS ACT 1990

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Australian Government

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P.14

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021102975

The Commissioner of Patents has granted the above patent on 21 July 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Anurag Shrivastava of Laxminarain College of Tech & Science, Principal And Professor ECE Indore Madhya Pradesh 453111 India

Mithra Venkatesan of Associate Professor, E & C Department, Dr.D.Y.Patil Institute of Technology Pune Maharashtra 411018 India

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Vijay Bisen of Asst. Professor, Department of E & C., Vikrant Institute of Technology & Manag. Indore Madhya Pradesh 453441 India

Pankaj Kumar of Assistant Professor, Department of E & C, SCRIET, CCS University Meerut Uttar Pradesh 250001 India

Afaro Mansoori of Research Scholar, Jaipur National Uni., Jaipur-Agra Bypass, Near New RTO Office Jaipur Rajasthan 302017 India

Harikumar Pallathadka of Director, ManipulInternational University, Airport Road, Ghari, Imphal, Imphal West Imphal Manipur 795140 India

Keshav Kumar of Research Scholar, Center of Energy Excel, Gyancity Research Lab Motihari Bihar 845401 India

Tulala Rajasanthosh Kumar of Department of Mechanical Engineering, Oriental Institute of Science and Tech. Bhopal Madhya Pradesh 462021 India

Title of invention:

THE APPARATUS FOR ENHANCEMENT OF GAIN AND BANDWIDTH OF RECTANGULAR PATCH ANTENNA.

Name of inventor(s):



Dated this 21st day of July 2021

Commissioner of Patents

PATENTS ACT 1990

The Commissioner of Patents Registered in the Register of Patents and the details of the patent are set out in the following particulars as per the IP Register.

Handwritten signature of the Commissioner of Patents.

(15)



Australian Government

IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021104273

The Commissioner of Patents has granted the above patent on 25 August 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Himanshu Sharma of Department of ECE, KIET Group of Institutions, Delhi-NCR Ghaziabad UP 201206 India

Varun Gupta of Department of EEE, KJ-SOM Group of Institutions, Delhi-NCR Ghaziabad UP 201206 India

Abhas Kanungo of Department of ECE, KIET Group of Institutions, Delhi-NCR Ghaziabad UP 201206 India

Pankaj Kumar of Department of ECE, SCRIET, CCS University Meerut UP 250003 India

Chandan Choubey of Department of ECE, Dronacharya Group of Institutions, Knowledge Park-III Greater Noida UP 201306 India

Neeraj Kumar Gupta of Department of EEE, KIET Group of Institutions, Delhi-NCR Ghaziabad UP 201206 India

Title of invention:

AI & IOT BASED SMART SHOPPING CART SYSTEM

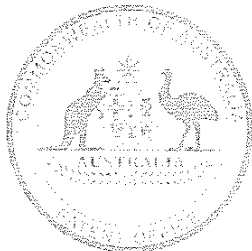
Name of inventor(s):

Sharma, Himanshu; Gupta, Varun; Kanungo, Abhas; Kumar, Pankaj; Choubey, Chandan and Gupta, Neeraj Kumar

Term of Patent:

Eight years from 17 July 2021

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



Dated this 25th day of August 2021

Commissioner of Patents

Handwritten signature: Neeraj Kumar

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P.13

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021105027

The Commissioner of Patents has granted the above patent on 22 September 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Abhas Kanungo of Department of Electronics and Communication Engineering, KIET Group of Institutions, 13 km Stone, Delhi-Meerut Road, Muradnagar, Delhi-NCR Ghaziabad UP 201206 India

Monika Mittal of Department of Electrical Engineering, National Institute of Technology Kurukshetra Haryana 136119 India

Himanshu Sharma of Department of ECE, KIET Group of Institutions, 13 km Stone, Delhi-Meerut Road, Muradnagar, Delhi-NCR Ghaziabad UP 201206 India

Vikas Mittal of Department of ECE, National Institute of Technology Kurukshetra Haryana 136119 India

Pankaj Kumar of Department of Electronics & Communication Engineering, SCRIET, CCS University Meerut UP 250003 India

Varun Gupta of Department of EEE, KIET Group of Institutions, 13 km Stone, Delhi-Meerut Road, Muradnagar, Delhi-NCR Ghaziabad UP 201206 India

Chandan Choubey of Department of ECE, Dronacharya Group of Institutions, Knowledge Park-III Greater Noida UP 201306 India

Sourav Diwania of Department of EEE, KIET Group of Institutions, 13 km Stone, Delhi-Meerut Road, Muradnagar, Delhi-NCR Ghaziabad UP 201206 India

Neeraj Kumar of Department of ECE, Dronacharya Group of Institutions, Knowledge Park-III Greater Noida UP 201306 India

Nitin Kumar Saxena of Department of EEE, KIET Group of Institutions, 13 km Stone, Delhi-Meerut Road, Muradnagar, Delhi-NCR Ghaziabad UP 201206 India.

Title of invention:

A NOVEL WAVELET-BASED MULTIREOLUTION METHOD WITH OPTIMIZATION TECHNIQUES FOR PROCESS CONTROL AND DISTURBANCE REJECTION

Name of inventor(s):

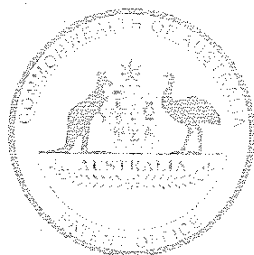
Kanungo, Abhas; Mittal, Monika; Sharma, Himanshu; Mittal, Vikas; Kumar, Pankaj; Gupta, Varun; Choubey, Chandan; Diwania, Sourav; Kumar, Neeraj and Saxena, Nitin Kumar

Term of Patent:

Eight years from 5 August 2021

Dated this 22nd day of September 2021

Commissioner of Patents



PATENTS ACT 1990

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Pankaj Kumar

TC

(12) INNOVATION PATENT
(19) AUSTRALIAN PATENT OFFICE

(11) Application No. **AU 2021105732 A4**

(54) Title
INTERNET OF THINGS (IOT) BASED E – LEARNING SOLUTIONS FOR SLOW, MEDIUM AND FAST LEARNER

(51) International Patent Classification(s)
G09B 7/00 (2006.01) **G16Y 10/55** (2020.01)

(21) Application No: **2021105732** (22) Date of Filing: **2021.08.18**

(45) Publication Date: **2021.11.11**

(45) Publication Journal Date: **2021.11.11**

(45) Granted Journal Date: **2021.11.11**

(71) Applicant(s)
Smreeti Mehta;Uchit Kapoor;Pooja Goel;Shine N A;Manoj Khaund;Ajit Prasad Mahato;Suruchi Sharma;Ankith K.R.;Romita Khurana;Priya Singh;Prabhuram Tripathy;Pradeep Kumar;Tripti Sahu;Lokesh Arora

(72) Inventor(s)
Mehta, Smreeti;Kapoor, Uchit;Goel, Pooja;N. A., Shine;Khaund, Manoj;Mahato, Ajit Prasad;Sharma, Suruchi;K. R., Ankith;Khurana, Romita;Singh, Priya;Tripathy, Prabhuram;Kumar, Pradeep;Sahu, Tripti;Arora, Lokesh

(74) Agent / Attorney
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(12) INNOVATION PATENT
(19) AUSTRALIAN PATENT OFFICE

(11) Application No. **AU 2021101172 A4**

(54) Title
DESIGN AND IMPLEMENTATION OF CONVOLUTION NEURAL NETWORK ON EDGE COMPUTING SMART PHONE FOR HUMAN ACTIVITY RECOGNITION

(51) International Patent Classification(s)
G06N 3/02 (2006.01) **G06K 9/00** (2006.01)

(21) Application No: **2021101172** (22) Date of Filing: **2021.03.04**

(45) Publication Date: **2021.05.06**

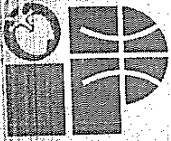
(45) Publication Journal Date: **2021.05.06**

(45) Granted Journal Date: **2021.05.06**

(71) Applicant(s)
Sushma Jaiswal;Sridevi R.;SRILATHA TOOMULA;Shiv Raj Singh;Tarun Kumar Arora;Pavan Kumar Chaubey;Tarun Jaiswal;Seema Agarwal;A. Sathish;S. Vatchala

(72) Inventor(s)
Jaiswal, Sushma;R., Sridevi;TOOMULA, SRILATHA;Raj Singh, Shiv;Arora, Tarun Kumar;Kumar Chaubey, Pavan;Jaiswal, Tarun;Agarwal, Seema;Sathish, A.;Vatchala, S.

(74) Agent / Attorney
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GEOGRAPHICAL INDICATIONS



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भारत सरकार
GOVERNMENT OF INDIA

पेटेंट कार्यालय
THE PATENT OFFICE

पेटेंट प्रमाणपत्र
PATENT CERTIFICATE
(Rule 74 Of The Patents Rules)

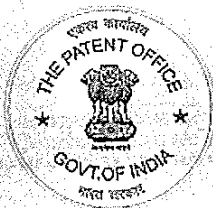
क्रमांक : 011138365
SL No :



पेटेंट सं. / Patent No. : 376739
आवेदन सं. / Application No. : 201911007321
फाइल करने की तारीख / Date of Filing : 25/02/2019
पेटेंटी / Patentee : CHAUDHARY CHARAN SINGH UNIVERSITY, MEERUT

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में यथाप्रकटित AN INSTANT MIX WATER RESISTANT ADHESIVE AND A METHOD TO PREPARE THE SAME नामक आविष्कार के लिए, पेटेंट अधिनियम, १९७० के उपबंधों के अनुसार आज तारीख 25th day of February 2019 से बीस वर्ष की अवधि के लिए पेटेंट अनुदान किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled AN INSTANT MIX WATER RESISTANT ADHESIVE AND A METHOD TO PREPARE THE SAME as disclosed in the above mentioned application for the term of 20 years from the 25th day of February 2019 in accordance with the provisions of the Patents Act, 1970.



अनुदान की तारीख : 08/09/2021
Date of Grant :

पेटेंट नियंत्रक
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, 25th day of February 2021 को और उसके पश्चात प्रत्येक वर्ष में उसी दिन देय होगी।
Note. - The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on 25th day of February 2021 and on the same day in every year thereafter.

Chemistry



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Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India

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

Application Details

| | |
|----------------------------------|---------------------------------|
| APPLICATION NUMBER | 202011056005 |
| APPLICATION TYPE | ORDINARY APPLICATION |
| DATE OF FILING | 23/12/2020 |
| APPLICANT NAME | Dr. Rupak Sharma |
| TITLE OF INVENTION | STUDENT STUDY MANAGEMENT SYSTEM |
| FIELD OF INVENTION | PHYSICS |
| E-MAIL (As Per Record) | ipec@ennobleip.com |
| ADDITIONAL-EMAIL (As Per Record) | shweta.singh@ennobleip.com |
| E-MAIL (UPDATED Online) | |
| PRIORITY DATE | |
| REQUEST FOR EXAMINATION DATE | -- |
| PUBLICATION DATE (U/S 11A) | 01/01/2021 |

M. Singh

Application Status

APPLICATION STATUS

Awaiting Request for Examination

[View Documents](#)

FORM 5

THE PATENTS ACT, 1970
(39 of 1970)

&

The Patents Rules, 2003

DECLARATION AS TO INVENTORSHIP
[See section 10(6) and rule 13(6)]

1. NAME OF THE APPLICANT(S)

I, **Dr. Rupak Sharma**, hereby declare that the true and first inventor(s) of the invention disclosed in the complete specification filed in application..... dated this 22nd Dec 2020 is/are:

2. INVENTOR(S)

- (a) **NAME:** Dr. Rupak Sharma
- (b) **NATIONALITY:** Indian
- (c) **ADDRESS:** 158 Kailash Puri, Gali No-1, Meerut-250002, India.

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- (b) **NATIONALITY:** Indian
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- (b) **NATIONALITY:** Indian
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- (a) **NAME:** Dr. Manav Bansal
- (b) **NATIONALITY:** Indian
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- (a) **NAME:** Ashish Chauhan
- (b) **NATIONALITY:** Indian
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- (a) **NAME:** Nitin Panwar
- (b) **NATIONALITY:** Indian

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(c) **ADDRESS:** H-87, Beta-2, Greater Noida-201306, India.

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(b) **NATIONALITY:** Indian

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(a) **NAME:** Vinay Kumar Pant

(b) **NATIONALITY:** Indian

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(a) **NAME:** Anil Kumar Gupta

(b) **NATIONALITY:** Indian

(c) **ADDRESS:** Tower A, Mahaluxmi Green, Mansion Migsun, HRA-14A, Surajpur Site-C, Greater Noida-201306, India.

Dated this 22nd Dec 2020



Kavinder Singh
INPA-3856
Agent for the Applicant

To
The Controller of Patent
The Patent Office, Delhi/Kolkata/Chennai/Mumbai



(12) PATENT APPLICATION PUBLICATION

(21) Application No.202111003504 A

(19) INDIA

(22) Date of filing of Application :27/01/2021


(43) Publication Date : 05/02/2021

(54) Title of the invention : MYOCARDIAL INFARCTION DETECTION AND LOCAL IDENTIFICATION FROM INTEGRATED ECG AND MRI IMAGES USING DEEP LEARNING ALGORITHMS

| | | |
|---|---|--|
| (51) International classification | :A61B 5/00 A61B 5/0402 A61B 5/04 | (71)Name of Applicant : 1)Dr. Varun Gupta Address of Applicant :Assistant Professor (Research), Department of Electronics & Instrumentation Engineering, KIET Group of Institutions, Delhi-NCR, Ghaziabad-201206, UP, INDIA Uttar Pradesh India |
| (31) Priority Document No | :NA | 2)Dr. Pankaj Kumar |
| (32) Priority Date | :NA | 3)Mr. Abhas Kanungo |
| (33) Name of priority country | :NA | 4)Dr. Parvin Kumar |
| (86) International Application No | :NA | (72)Name of Inventor : |
| Filing Date | :NA | 1)Dr. Varun Gupta |
| (87) International Publication No | : NA | 2)Dr. Pankaj Kumar |
| (61) Patent of Addition to Application Number | :NA | 3)Mr. Abhas Kanungo |
| Filing Date | :NA | 4)Dr. Parvin Kumar |
| (62) Divisional to Application Number | :NA | |
| Filing Date | :NA | |

(57) Abstract :
Cardiovascular diseases (CVDs) such as Myocardial Infarction (MI) and stroke cause more death worldwide. Insufficient blood supply to the heart causes MI. The physician faces difficulty in diagnosing heart patients. The proper medication and surgery can be carried out to the patients only during the early detection of a heart attack. Still, more patients are not having any symptoms, the lives of these patients are difficult to save. Early diagnosis of Myocardial Infarction (MI) was more important. Electrocardiogram (ECG) is one of the preferable diagnosis methods for myocardial infarction. The features such as wavelet transform, frequency domain, and time domain, etc., are present in the ECG signals. The various stages of myocardial infarction are detected and local identification is also possible through Magnetic Resonance (MR) imaging. In comparison with other types of imaging MR imaging has more benefits. Deep learning is having a rapid growth in cardiovascular medicine. Deep learning is preferred to identify the hidden information and heterogeneous dataset. The various factors which cause heart attack are high blood pressure, diabetes, genetic predisposition, drug abuse, vigorous exercise, smoking and alcohol consumption, obesity, and high cholesterol. The proposed invention is intended in developing a deep learning algorithm to detect and identify the myocardial infarction (MI) from the integrated ECG and MRI. This invention includes the differentiation of normal and infarcted myocardium using the ECG and MRI images to provide the patient with proper diagnosis treatment. The proposed deep learning model includes the one-dimensional Convolutional Neural Network (1D-CNN) which utilizes a firefly algorithm (FA) to increase the performance of identifying myocardial infarction.

No. of Pages : 15 No. of Claims : 3





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Application Details

| | |
|----------------------------------|--|
| APPLICATION NUMBER | 202111036442 |
| APPLICATION TYPE | ORDINARY APPLICATION |
| DATE OF FILING | 12/08/2021 |
| APPLICANT NAME | 1 . Dr. MANDEEP MITTAL 2 . Ms. AMISHA SAXENA 3 . Mr. SHAILESH GIRI 4 . Dr. ASHISH K SHARMA 5 . Ms. BHAVINI RAJENDRAKUMAR BHATT 6 . Dr. SHIV RAJ SINGH 7 . Mrs. PRIYANKA ARORA 8 . Dr. AJAY SINGH YADAV 9 . Dr. ANUPAM SWAMI 10 . Mr. AMIT KUMAR |
| TITLE OF INVENTION | IOT AND CLOUD BASED HEALTH CARE SYSTEM |
| FIELD OF INVENTION | BIO-MEDICAL ENGINEERING |
| E-MAIL (As Per Record) | senanipindia@gmail.com |
| ADDITIONAL-EMAIL (As Per Record) | admin@senanip.com |
| E-MAIL (UPDATED Online) | |
| PRIORITY DATE | |
| REQUEST FOR EXAMINATION DATE | -- |
| PUBLICATION DATE (U/S 11A) | 03/09/2021 |

Application Status



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Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India

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Application Details

| | |
|----------------------------------|--|
| APPLICATION NUMBER | 202111056540 |
| APPLICATION TYPE | ORDINARY APPLICATION |
| DATE OF FILING | 06/12/2021 |
| APPLICANT NAME | 1 . Dr. AJAY SINGH YADAV 2 . Dr. NEHA SAXENA 3 . Dr. RUPAK SHARMA 4 . Ms. ANJALI MALIK 5 . Dr. PRIYANKA AGARWAL 6 . Dr. PRAVESH 7 . <u>Dr. AMIT SHARMA</u> 8 . Mr. NEERAJ SWAMI 9 . Mr. Amit Kumar 10 . Mr. KRISHAN KUMAR YADAV |
| TITLE OF INVENTION | ASSESSMENT OF DISEASE THROUGH MACHINE LEARNING OVER BIG DATA FROM HELATH CARE GROUPS |
| FIELD OF INVENTION | COMPUTER SCIENCE |
| E-MAIL (As Per Record) | senanipindia@gmail.com |
| ADDITIONAL-EMAIL (As Per Record) | admin@senanip.com |
| E-MAIL (UPDATED Online) | |
| PRIORITY DATE | |
| REQUEST FOR EXAMINATION DATE | -- |
| PUBLICATION DATE (U/S 11A) | 17/12/2021 |

Amit
Amit Sharma



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

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



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Application Details

| | |
|----------------------------------|--|
| APPLICATION NUMBER | 202111046342 |
| APPLICATION TYPE | ORDINARY APPLICATION |
| DATE OF FILING | 11/10/2021 |
| APPLICANT NAME | 1 . DR. RUPAK SHARMA 2 . DR. RAJEEV SHARMA 3 . AMIT SHARMA 4 . ANIL KUMAR GUPTA 5 . DR. SUSHIL KUMAR 6 . DR. DIWAKAR RAMANUJ TRIPATHI 7 . DR. A. K. SHARMA |
| TITLE OF INVENTION | DEEP LEARNING BASED STRESS MANAGEMENT TECHNIQUES FOR BETTER WORK LIFE BALANCE |
| FIELD OF INVENTION | COMPUTER SCIENCE |
| E-MAIL (As Per Record) | drarvindkumarsharma@gmail.com |
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| PRIORITY DATE | |
| REQUEST FOR EXAMINATION DATE | -- |
| PUBLICATION DATE (U/S 11A) | 29/10/2021 |

Application Status



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Application Details

| | |
|----------------------------------|---|
| APPLICATION NUMBER | 3091/DEL/2012 |
| APPLICATION TYPE | ORDINARY APPLICATION |
| DATE OF FILING | 03/10/2012 |
| APPLICANT NAME | SCIENTIFIC AND APPLIED RESEARCH CENTRE |
| TITLE OF INVENTION | A SYNERGISTIC BIO-PESTICIDAL FORMULATION AND A PROCESS FOR PREPARING THE SAME |
| FIELD OF INVENTION | AGROCHEMICALS |
| E-MAIL (As Per Record) | dewan@rkdewanmail.com |
| ADDITIONAL-EMAIL (As Per Record) | dewan@rkdewanmail.com |
| E-MAIL (UPDATED Online) | |
| PRIORITY DATE | |
| REQUEST FOR EXAMINATION DATE | 22/02/2013 |
| PUBLICATION DATE (U/S 11A) | 15/08/2014 |
| FIRST EXAMINATION REPORT DATE | 18/01/2018 |
| Date Of Certificate Issue | 06/05/2021 |
| POST GRANT JOURNAL DATE | 14/05/2021 |
| REPLY TO FER DATE | 17/08/2018 |

Application Status



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

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Application Details

| | |
|----------------------------------|--|
| APPLICATION NUMBER | 202111034797 |
| APPLICATION TYPE | ORDINARY APPLICATION |
| DATE OF FILING | 02/08/2021 |
| APPLICANT NAME | 1 . Ruchi Bhati 2 . Anil Kumar Malik 3 . Beer Pal Singh 4 . Updesh Verma |
| TITLE OF INVENTION | METHOD FOR DESIGNING MULTI-CHANNEL SELECTIVE SWITCHING AND SENSING DEVICE BASED ON AUTONOMOUSLY TUNING OF QUINT ELECTROMAGNETICALLY INDUCED TRANSPARENCY |
| FIELD OF INVENTION | PHYSICS |
| E-MAIL (As Per Record) | postmaster@ipvase.com |
| ADDITIONAL-EMAIL (As Per Record) | |
| E-MAIL (UPDATED Online) | |
| PRIORITY DATE | |
| REQUEST FOR EXAMINATION DATE | 02/08/2021 |
| PUBLICATION DATE (U/S 11A) | 27/08/2021 |
| REPLY TO FER DATE | 28/07/2022 |

Application Status



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

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Application Details

| | |
|----------------------------------|--|
| APPLICATION NUMBER | 202111060825 |
| APPLICATION TYPE | ORDINARY APPLICATION |
| DATE OF FILING | 27/12/2021 |
| APPLICANT NAME | 1 . Sharvan Kumar Garg 2 . Dr. Manoj Kapil 3 . Dr. Deepak K. Sinha 4 . Dr. Garima Sinha 5 . Nidhi Bhatia 6 . Manish Sharma 7 . Saurabh Gupta |
| TITLE OF INVENTION | EFFICIENT SATELLITE IMAGE CLARIFICATION DESIGN USING DEEP LEARNING FRAMEWORK |
| FIELD OF INVENTION | COMPUTER SCIENCE |
| E-MAIL (As Per Record) | shravan_garg23@rediffmail.com |
| ADDITIONAL-EMAIL (As Per Record) | shravan_garg23@rediffmail.com |
| E-MAIL (UPDATED Online) | |
| PRIORITY DATE | |
| REQUEST FOR EXAMINATION DATE | -- |
| PUBLICATION DATE (U/S 11A) | 31/12/2021 |

Application Status

(12) INNOVATION PATENT
(19) AUSTRALIAN PATENT OFFICE

(11) Application No. **AU 2020103210 A4**

- (54) Title
CTAO- Education Monitoring: IoT based Education Monitoring for Checking the Class Teacher Available in a Class and Notes Available On-line Notified
- (51) International Patent Classification(s)
G09B 5/08 (2006.01)
- (21) Application No: **2020103210** (22) Date of Filing: **2020.11.04**
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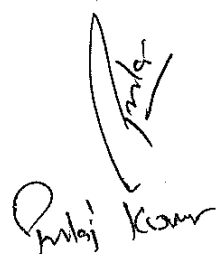
(54) Title of the invention : REGULATION SYSTEM FOR DC BUS VOLTAGE AND SPEED TRACKING USING BACK STEPPING CONTROLLER IN ELECTRIC VEHICLES

| | |
|--|---|
| <p>(51) International classification :G06T 7/246</p> <p>(31) Priority Document No :NA</p> <p>(32) Priority Date :NA</p> <p>(33) Name of priority country :NA</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No :NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p> | <p>(71)Name of Applicant :</p> <p>1)Dr.K.S.Srikanth Address of Applicant :Principal Electrical and Electronics Engineering Amalapuram Institute of Management Sciences and College of Engineering Mummidivaram, East Godavari District Andhra Pradesh, India 533216 Andhra Pradesh India</p> <p>2)Dr.V.Shanmugasundaram</p> <p>3)Dr Lalit Garg</p> <p>4)Dr Gaurav Garg</p> <p>5)Mr. Gaurav Sachdeva</p> <p>6)Mr.Venugopal Reddy Bodha</p> <p>7)Mr. Arun Srinivas T</p> <p>8)Mr. Pankaj Kumar</p> <p>9)Mr. Abhas Kanungo</p> <p>10)Mr.Varun Gupta</p> <p>(72)Name of Inventor :</p> <p>1)Dr.K.S.Srikanth</p> <p>2)Dr.V.Shanmugasundaram</p> <p>3)Dr Lalit Garg</p> <p>4)Dr Gaurav Garg</p> <p>5)Mr. Gaurav Sachdeva</p> <p>6)Mr.Venugopal Reddy Bodha</p> <p>7)Mr. Arun Srinivas T</p> <p>8)Mr. Pankaj Kumar</p> <p>9)Mr. Abhas Kanungo</p> <p>10)Mr.Varun Gupta</p> |
|--|---|

(57) Abstract :

In order to control the wheel of a vehicle for varying roads like rocky, hilly, sand, etc., and also for running in different climatic conditions, may be rain, cold, hot, humid, etc., the system should be designed. The main concern is also about the pollution and to support the earth greenery environment, the renewable resources that used in the vehicle also should be minimized. So, a fuel chamber with renewable resource energy has an additional backup of high capacity capacitor and a battery source. To adjust it to varying roads, the DC bus also should have regulated voltage and it supplied through converter from the additional backup sources. The tracking of speed is also very important, and it is deployed with feedback loop control known as the backstepping controller which makes it robust. The entire design supports the non-linear parameters and can support wide range distance coverage with minimal renewable resources and as well as have good stability and high performance.

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



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(21) Application No.202041031914 A

(19) INDIA

(22) Date of filing of Application :25/07/2020

(43) Publication Date : 21/08/2020

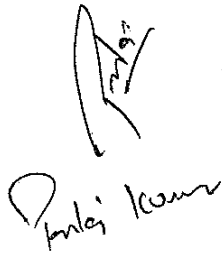
(54) Title of the invention : ELECTRODE SKIN RESISTANCE PREVENTER FOR WIRELESS CARDIAC ECG MONITORING SYSTEM

| | |
|---|---|
| <p>(51) International classification :A61B 5/053</p> <p>(31) Priority Document No :NA</p> <p>(32) Priority Date :NA</p> <p>(33) Name of priority country :NA</p> <p>(86) International Application No :NA</p> <p>Filing Date :NA</p> <p>(87) International Publication No :NA</p> <p>(61) Patent of Addition to Application Number :NA</p> <p>Filing Date :NA</p> <p>(62) Divisional to Application Number :NA</p> <p>Filing Date :NA</p> | <p>(71)Name of Applicant :</p> <p>1)Dr.R.Dhanagopal Address of Applicant :Associate Professor, Dept. of ECE, Chennai Institute of Technology, Sarathy Nagar , Kundrathur,Chennai-600069 Tamil Nadu India</p> <p>2)Dr Lalit Garg</p> <p>3)Mr.P.Mani</p> <p>4)Mrs. P.Latha</p> <p>5)Mr.Varun Gupta</p> <p>6)Mr.Pankaj Kumar</p> <p>7)Mr.Abhas Kanungo</p> <p>8)Mr.Bottu Gurunadha Rao</p> <p>9)Mr. Gajendra Kumar Ahirwar</p> <p>10)Mr.Bathula. SivaNageswaraRao</p> <p>(72)Name of Inventor :</p> <p>1)Dr.R.Dhanagopal</p> <p>2)Dr Lalit Garg</p> <p>3)Mr.P.Mani</p> <p>4)Mrs. P.Latha</p> <p>5)Mr.Varun Gupta</p> <p>6)Mr.Pankaj Kumar</p> <p>7)Mr.Abhas Kanungo</p> <p>8)Mr.Bottu Gurunadha Rao</p> <p>9)Mr. Gajendra Kumar Ahirwar</p> <p>10)Mr.Bathula. SivaNageswaraRao</p> |
|---|---|

(57) Abstract :

Among many biological systems that perform various functions of the body, the heart does the essential job of the circulatory system. It is responsible for oxygen-rich blood flow through various parts of the body. Electrodes are placed in the human body in the arm and leg. Five nodes of the heart, namely the P wave, QRS complex, and T wave, are captured. But the wave that is obtained does not have only the desired biological signal. The electro cardiac signal is highly sensitive to the interference around it. Even the breathing of the patient also is a source of noise or interference in recording the wave. Though the electrolyte placed in between electrodes and the skin, the electrode skin resistance is minimized a little, but still, it has to undergo filtering techniques. The electro cardiac signal and the skin-electrode resistance that are captured are sent through Zigbee by wireless radar to the computerized system to perform adaptive filtering techniques to remove the artefacts. This produces the desired electro cardiac signal free from artefacts which are used by doctors to analyze the predictions and perform the appropriate treatment to the patients.

No. of Pages : 13 No. of Claims : 8



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(21) Application No.202041031917 A

(19) INDIA

(22) Date of filing of Application :25/07/2020

(43) Publication Date : 21/08/2020

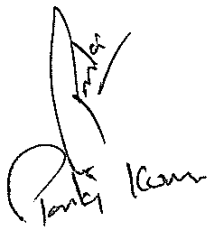
(54) Title of the invention : MAGNETIC RESONANCE COUPLING WIRELESS POWER TRANSFER UNIT FOR IMPLANTABLE BIOMEDICAL DEVICES

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|--|--|
| <p>(51) International classification :H02J 50/12</p> <p>(31) Priority Document No :NA</p> <p>(32) Priority Date :NA</p> <p>(33) Name of priority country :NA</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No :NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p> | <p>(71)Name of Applicant :</p> <p>1)RAMAKRISHNA YARLAGADDA Address of Applicant :Professor, Department of ECE, Gudlavalleru Engineering College, Gudlavalleru Post, Krishna District, Andhra Pradesh 521 356 Andhra Pradesh India</p> <p>2)Mr. Varun Gupta</p> <p>3)Mr.Pankaj Kumar</p> <p>4)Mr.Abhas Kanungo</p> <p>5)Dr Lalit Garg</p> <p>6)Mr. Deenathayalan U</p> <p>7)Dr.Yarlagadda Syamala</p> <p>8)Ms. Kaza Srilakshmi</p> <p>9)Mrs A.Sindhu</p> <p>10)Mrs. Nimmy John T</p> <p>(72)Name of Inventor :</p> <p>1)RAMAKRISHNA YARLAGADDA</p> <p>2)Mr.Varun Gupta</p> <p>3)Mr.Pankaj Kumar</p> <p>4)Mr.Abhas Kanungo</p> <p>5)Dr Lalit Garg</p> <p>6)Mr. Deenathayalan U</p> <p>7)Dr.Yarlagadda Syamala</p> <p>8)Ms. Kaza Srilakshmi</p> <p>9)Mrs A.Sindhu</p> <p>10)Mrs. Nimmy John T</p> |
|--|--|

(57) Abstract :

Wireless power distribution based magnetic resonance affords an inoffensive way to control biocompatible medical applications. The wireless power transmission system will eradicate the cable linking while the transmission of electric power. Wireless Power Transfer (WPT) technology is still used as it significantly contributes to the batteries as a source of energy which decreases the diameter of the console directly and requires the device to be mounted in a confined area inside the human body. It lowers certain surgical expenses, the possibility of health problems and prevents from frequent battery reconstructive surgery. This innovative idea approaches strongly coupled magnetic resonance which is called as magnetic resonance coupling wireless power transfer for implantable biomedical devices. The four-coil layout consists of two TX coils, known as the driver and main coils, and the RX secondary and load coils. Driver and load coils can be used for attenuation balancing. This proposal yields improved attenuation aligning flexibility to maximize device energy transfer, improved Q-factor facilitated by transmitter and receiver coils, which will accommodate for the dramatic reduction in PTE leading to reduced pairing factor owing to enhanced isolation gap and greater frequencies of processing.

No. of Pages : 4 No. of Claims : 6



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(21) Application No.202041028261 A

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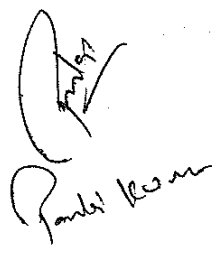
(54) Title of the invention : A NOVEL TECHNIQUE FOR REDUCTION OF SOFTWARE ENTROPY AND TO PREVENT INFORMATION LEAKAGE IN MOBILE APPLICATIONS

| | | |
|---|----------------|--|
| (51) International classification | :G06F 21/55 | (71)Name of Applicant : |
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| (32) Priority Date | :NA | 2)Mr. Shravan Kumar |
| (33) Name of priority country | :NA | 3)Dr. Chinnadurai M |
| (86) International Application No | :NA | 4)Dr Lalit Garg |
| Filing Date | :NA | 5)Dr S V N Sreenivasu |
| (87) International Publication No | : NA | 6)Mr.Pankaj Kumar |
| (61) Patent of Addition to Application Number | :NA | 7)Mr.Abhas Kanungo |
| Filing Date | :NA | 8)Mr.Varun Gupta |
| (62) Divisional to Application Number | :NA | 9)Dr Arun K.K. |
| Filing Date | :NA | 10)Dr S.K. Mydhili |
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| | | 2)Mr. Shravan Kumar |
| | | 3)Dr. Chinnadurai M |
| | | 4)Dr Lalit Garg |
| | | 5)Dr S V N Sreenivasu |
| | | 6)Mr.Pankaj Kumar |
| | | 7)Mr.Abhas Kanungo |
| | | 8)Mr.Varun Gupta |
| | | 9)Dr Arun K.K. |
| | | 10)Dr S.K. Mydhili |

(57) Abstract :

ABSTRACT Smartphones are the typical mainstream and employed devices by people. They have different kinds of data that can be delegated open and private. It is another wonder to build up incredible malicious diligence to exfiltrate individual information from advanced mobile phones. Henceforth close to home information on these gadgets such as short messages, contacts, photographs, recordings, GPS areas, and so on. Require a particular security component which ensures them from being spilled by vindictive applications. The fundamental issue is the revelation of delicate data when portable applications attempt to get to them utilizing android authorizations. This circumstance reveals to us that these mobile applications will presumably release sensitive information. Thus, a few arrangements, particularly considering information leakage on PDAs, are required. In this invention, we portray data collection, pre-processing, feature extraction, classification and clustering, and how wavelet-based decomposition of programming entropy can be applied to a parasitic malware location task, including enormous quantities of tests and highlights. By extracting just string and entropy highlights from programming tests, we can get practically 99% discovery of parasitic malware with less than 1% false positives on great records. Also, the expansion of wavelet-based highlights consistently improved location execution across conceivable false-positive rates, both in a strings-just model and a strings-in addition to entropy model. Wavelet decay of programming entropy can be valuable for AI models for distinguishing malware dependent on extracting a considerable number of highlights from executable records.

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



(12) INNOVATION PATENT
(19) AUSTRALIAN PATENT OFFICE

(11) Application No. **AU 2020102990 A4**

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IPBE-Detect Quality of Works: Intelligent process to detect employee's quality of works and notify it to authorities

(51) International Patent Classification(s)
G06F 11/36 (2006.01) **G06Q 10/10** (2012.01)

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| DATE OF FILING | 07/03/2017 |
| APPLICANT NAME | 1 . Chaudhary Charan Singh University 2 . Sidhi Vinayak Enterprises |
| TITLE OF INVENTION | AN UV CURABLE AND HIGH IMPACT RESISTANT FORMULATION AND A PROCESS FOR THE PREPARATION THEREOF |
| FIELD OF INVENTION | CHEMICAL |
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Application Status

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