

Patent: Engineering 2022-2024

Published 2022	Published 2023	Published 2024	Granted 2022	Granted 2023	Granted 2024	Total Published (2022-2024)	Total Granted (2022-2024)
38	34	16	6	7	11	88	24



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6391254 Granted Dr. Anum Kamal, Dr. Aisha Kamal,

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Find a registered design

Design number
6391254

Status
Registered

Registration date
16 September 2024

Renewal date
16 September 2029

Overview Illustrations Names and addresses History

Application date
16 September 2024

Grant date
24 September 2024

Publication date
25 September 2024

Indication of Product
Artificial Intelligence Based Nerve Activation Device for Treatment of Peripheral Neuropathy



Classification

Class 24 - MEDICAL AND LABORATORY EQUIPMENT

Sub class 01 - APPARATUS AND EQUIPMENT FOR DOCTORS, HOSPITALS AND LABORATORIES

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Find a registered design

Design number
6391254

Status
Registered

Registration date
16 September 2024

Renewal date
16 September 2029

Overview Illustrations Names and addresses History

Contact (address for service)
WHITES SCIENCE INNOVATION PVT LTD
27 Cunningham Way, Leavesden, WATFORD, WD25 7NG

Owners

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430821-001 Granted Mr. Anas Habib Zuberi, Miss Anum Kamal, Miss Saleha Mariyam, Dr. Aisha Kamal, Miss Ambreen Anees,

← → ↻ 🔍 https://search.ipindia.gov.in/DesignApplicationStatus ☆ 📷 📄 📞 ⋮



कार्यालय महानियंत्रक एकस्य, अगिकल्प एवं व्यापार चिह्न
उद्योग संवर्धन और आंतरिक व्यापार विभाग
Office of the Controller General of Patents, Designs & Trade Marks
Department for Promotion of Industry and Internal Trade



Designs

Design Application Details

Application Number:
430821-001

CBR Number:
216992

CBR Date:
18-09-2024 15:36:00

Applicant Name:
1. Mr. Anas Habib Zuberi 2. Miss Anum Kamal 3. Miss Saleha Mariyam 4. Dr. Aisha Kamal
5. Miss Ambreen Anees 6. Mr. Rahul Navnath Jadhav 7. Dr. B.R Asokan 8. Dr. Amit Kumar Sharma
9. Mr. Simanta Bhattacharjee 10. Mr. Mayur Kishor Lohkare

Design Application Status

Application Status:
Design Accepted and Published, Journal No is 50/2024 and Journal Date is 13/12/2024

Back

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[at]ipo[at]nic[dot]in
Controller General of Patents, Designs and Trademarks



6383996 Granted Dr. Bably Dolly

Design number

6383996

Status

Registered

Registration date

10 August 2024

Renewal date

10 August 2029

Overview

Illustrations

Names and addresses

History

Contact (address for service)

SHARK IPR SERVICE

13-15 TRAFALGAR ROAD, BLACKPOOL, FY1 6AW

Owners

Name	Address
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Puneet Kumar Aggarwal	Associate Professor, Department of Information Technology, Abes Engineering College, Ghaziabad, Delhi-Nor

6403643 Granted Dr. Bably Dolly



Intellectual
Property
Office

Certificate of Registration for a UK Design

Design number: 6403643

Grant date: 18 November 2024

Registration date: 11 November 2024

This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Dr. Amardeep Gupta, Dr Bably Dolly, Dr. Sunil Babu Melingi, Mr. Meriga Kiran

Kumar, Dr. Anandhan Mahendran, Prof. Ananda Shankar Hati, Dr Muthukumar

Krishnan

in respect of the application of such design to:

Sensor Based Robotic Display For Interactive Marketing

International Design Classification:

Version: 14-2023

Class: 15 MACHINES, NOT ELSEWHERE SPECIFIED

Subclass: 99 MISCELLANEOUS



Adam Williams

Comptroller-General of Patents, Designs and Trade Marks

Intellectual Property Office

The attention of the Proprietor(s) is drawn to the important notes overleaf.



Intellectual Property Office is an operating name of the Patent Office

www.gov.uk/ipo



431810001 Granted Dr. Shrish Bajpai

INTELLECTUAL PROPERTY INDIA
PATENTS (DESIGNS) TRADE MARKS
GEOGRAPHICAL INDICATIONS

पेटेंट कार्यालय, भारत सरकार
डिजाइन के पंजीकरण का प्रमाण पत्र

The Patent Office, Government Of India
Certificate of Registration of Design

डिजाइन सं. / Design No. 431810-001

तारीख / Date 26/09/2024

पारस्परिकता तारीख / Reciprocity Date*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **RADIO FREQUENCY POWER AMPLIFIER DEVICE** से संबंधित है, का पंजीकरण, श्रेणी 14-03 में 1.Mr S Mahalingam 2. Dr K Dhivya 3.Dr Shrish Bajpai 4.Dr Divya Sharma 5.Dr Prashant Sunagar 6.Mr R Venkatesh के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 14-03 in respect of the application of such design to **RADIO FREQUENCY POWER AMPLIFIER DEVICE** in the name of 1.Mr S Mahalingam 2. Dr K Dhivya 3.Dr Shrish Bajpai 4.Dr Divya Sharma 5.Dr Prashant Sunagar 6.Mr R Venkatesh.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन प्रावधानों के अनुसरण में।
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

Head
Department of ECE
Integral University, Lucknow

28/11/2024
Date of Issue

महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न
Controller General of Patents, Designs and Trade Marks

*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।
The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.



ORIGINAL

मूल/No : 121926



भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE

डिजाइन के पंजीकरण का प्रमाणपत्र
CERTIFICATE OF REGISTRATION OF DESIGN

डिजाइन सं. / Design No.	:	370349-001
तारीख / Date	:	03/09/2022
पारस्परिकता तारीख / Reciprocity Date*	:	
देश / Country	:	

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **MULTIUTILITY SMART PLUG** से संबंधित है, का पंजीकरण, श्रेणी **13-03** में 1.Dr. Shashi Kant Gupta 2. Dr. Imran Ullah Khan 3.Dr. Bhuvanesh Kumar Sharma 4.Dr. Ashish Kumar Pandey के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

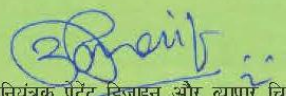
Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class **13-03** in respect of the application of such design to **MULTIUTILITY SMART PLUG** in the name of 1.Dr. Shashi Kant Gupta 2. Dr. Imran Ullah Khan 3.Dr. Bhuvanesh Kumar Sharma 4.Dr. Ashish Kumar Pandey.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

INTELLECTUAL
PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

निर्गमन की तारीख/Date of Issue : 26/12/2022


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Controller General of Patents, Designs and Trade Marks

पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति देश के नाम पर की गई है। डिजाइन का सत्त्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

*The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.



6378283 Granted Dr. Nupur Mittal

OV.UK
and a registered design

• Feedback

Design number
6378283

Status
Registered

Registration date
15 July 2024

Renewal date
15 July 2029

Overview

Application date
15 July 2024

Grant date
22 July 2024

Publication date
23 July 2024

Indication of Product
Charging Station for Hybrid Electric Vehicles

Classification

Class 13 - EQUIPMENT FOR PRODUCTION, DISTRIBUTION OR TRANSFORMATION OF ELECTRICITY

Sub class 02 - POWER TRANSFORMERS, RECTIFIERS, BATTERIES AND ACCUMULATORS

Illustrations

Disclaimer
No claim is made for the colour shown

Designs



[Signature]
Head
Department of ECE
Integral University, Lucknow

Names and addresses

Contact (address for service)

Vats IPR Services
13-15 TRAFALGAR ROAD, BLACKPOOL, FY1 6AW

Owners

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Dr. Neeraj Kumar	Professor, Doon institute of Engineering and Technology, Shyampur, Rishikesh, Uttarakhand
Dr. Uma Ravi Sankar Yalavarthy	Associate Professor, Department of Electrical & Electronics Engineering, Vignan's Lara Institute of Technology and Science (A), Guntur, PIN: 522213
Dr. Nupur Mittal	Assistant Professor, Dept. of Electronics and Communication Engineering, Integral University, Lucknow, 226026, Uttar Pradesh
Anthony Savio Herminio da Piedade Fernandes	Founder Owner, Trading Equations, 54/C, Xell, Bastora, Bardez, North Goa, Goa (403507)

History
No history is available for this design

[Signature]
Head
Department of ECE
Integral University, Lucknow

430821-001 Granted Mr. Anas Habib Zuberi, Dr. Anum Kamal, Ms. Saleha Mariyam, Ms. Ambreen Anees

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कार्यालय महानिरीक्षक एकसूत्र, अभिलेख एवं व्यापार चिह्न
उद्योग संवर्धन और आंतरिक व्यापार विभाग
Office of the Controller General of Patents, Designs & Trade Marks
Department for Promotion of Industry and Internal Trade



Designs

Design Application Details

Application Number:
430821-001

CBR Number:
216992

CBR Date:
18-09-2024 15:36:00

Applicant Name:
1. Mr. Anas Habib Zuberi 2. Miss Anum Kamal 3. Miss Saleha Mariyam 4. Dr. Aisha Kamal
5. Miss Ambreen Anees 6. Mr. Rahul Navnath Jadhav 7. Dr. B.R Asokan 8. Dr. Amit Kumar Sharma
9. Mr. Simanta Bhattacharjee 10. Mr. Mayur Kishor Lohkare

Design Application Status

Application Status:
Design Accepted and Published, Journal No is 50/2024 and Journal Date is 13/12/2024

Back

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[at]ipo[at]nic[dot]in
Controller General of Patents, Designs and Trademarks



6391254 Granted Ms. Anum Kamal



Intellectual
Property
Office

Certificate of Registration for a UK Design

Design number: 6391254

Grant date: 24 September 2024

Registration date: 16 September 2024

This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Miss Anum Kamal, Dr. Aisha Kamal, Dr. Balakrishnan Ramajayam Asokan, Miss.

Siddhi Srivastava, Miss Jayshreema Biswal, Mrs. Kavya Chandran, Ms.

Aishwaryah Selvam, Dr. Rohit Baban Chavhan, Ms. Sapna Rani, Mr. Rounak

Jaiswal

in respect of the application of such design to:

Artificial Intelligence Based Nerve Activation Device for Treatment of Peripheral

Neuropathy

International Design Classification:

Version: 14-2023

Class: 24 MEDICAL AND LABORATORY EQUIPMENT

Subclass: 01 APPARATUS AND EQUIPMENT FOR DOCTORS, HOSPITALS
AND LABORATORIES

Adam Williams

Comptroller-General of Patents, Designs and Trade Marks

Intellectual Property Office

The attention of the Proprietor(s) is drawn to the important notes overleaf.



Intellectual Property Office is an operating name of the Patent Office

www.gov.uk/ipa



6286024 Granted Dr. Sumita Chaturvedi



Intellectual
Property
Office

Certificate of Registration for a UK Design

Design number: 6286024

Grant date: 08 June 2023

Registration date: 27 May 2023

This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Dr. Kakoli Banerjee, Nishu Mishra, Dr. Sumita Chaturvedi, Dr. Prashant

Prakash Rao Pangarikar, Mr. Dwij Sunder Rout, Dr. Sandeep Rout

In respect of the application of such design to:

ML BASED ROBOT FOR DETERMINING CROP YIELD

International Design Classification:

Version: 14-2023

Class: 15 MACHINES, NOT ELSEWHERE SPECIFIED

Subclass: 99 MISCELLANEOUS

Version: 14-2023

Class: 10 CLOCKS AND WATCHES AND OTHER MEASURING INSTRUMENTS, CHECKING AND SIGNALLING INSTRUMENTS

Subclass: 05 INSTRUMENTS, APPARATUS AND DEVICES FOR CHECKING, SECURITY OR TESTING

Adam Williams

Comptroller-General of Patents, Designs and Trade Marks
Intellectual Property Office

The attention of the Proprietor(s) is drawn to the important notes overleaf.



Intellectual Property Office is an operating brand of the Patent Office

www.gov.uk/ip



— Bundesrepublik Deutschland —

Urkunde

über die Eintragung des
Gebrauchsmusters Nr. 20 2023 101 613

Bezeichnung:

Auf künstlicher Intelligenz basierendes System mit dynamischer Verschlüsselung für die sichere Verwaltung von Gesundheitsdaten in der Telemedizin

IPC:

G16H 10/80

Inhaber/Inhaberin:

Ahmad, Saheem, Dr., Lucknow, Uttar Pradesh, IN
Dixit, Chandra Kumar, Dr., Lucknow, Uttar Pradesh, IN
Gupta, Shashi Kant, Dr., Lucknow, Uttar Pradesh, IN
Haralayya, Bhadrappa, Dr., Kalaburagi, Karnataka, IN
Karras, Dimitrios Alexios, Prof. Dr., Tirana, AL
Khan, Imran Ullah, Dr., Firozabad, Uttar Pradesh, IN
Khan, Saif, Dr., Lucknow, Uttar Pradesh, IN
Mishra, Alok, Dr., Gaya, Bihar, IN
Pal, Saurabh, Dr., Ayodhya, Uttar Pradesh, IN
Pandey, Mithilesh Kumar, Ballia, Uttar Pradesh, IN
Singh, Prabhdeep, Lucknow, Uttar Pradesh, IN
Tran, Tien Anh, Dr., Hai Phong City, VN

Tag der Anmeldung:

30.03.2023

Tag der Eintragung:

07.06.2023

Die Präsidentin des Deutschen Patent- und Markenamts

Eva Schewior



München, 07.06.2023

Die Voraussetzungen der Schutzfähigkeit werden bei der Eintragung eines Gebrauchsmusters nicht geprüft.
Den aktuellen Rechtsstand und Schutzzumfang entnehmen Sie bitte dem DPMAngabe unter www.dpma.de.



6291024 Granted Qazi Saeed Ahmad



Intellectual
Property
Office

Certificate of Registration for a UK Design

Design number: 6291024

Grant date: 27 June 2023

Registration date: 18 June 2023

This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, has been registered as of the date of registration shown above in the name of

Dr. Suman Dahiya, Dr. Manasi Vyankatesh Ghamande, Mohammad Mushalib,

Er. Qazi Saeed Ahmad, Dr. Sundararajan Suma Christal Mary, Dr. Elumalai

Thenmozhi

in respect of the application of such design to:

Wifi-based Smart Shopping Cart

International Design Classification:

Version: 14-2023

Class: 12 MEANS OF TRANSPORT OR HOISTING

Subclass: 02 HANDCARTS, WHEELBARROWS

Adam Williams

Comptroller-General of Patents, Designs and Trade Marks

Intellectual Property Office

The attention of the Proprietor(s) is drawn to the important notes overleaf.



Intellectual Property Office is an operating name of the Patent Office

www.gov.uk/ipos



6291241 Granted Dr. Sumita Chaturvedi



Certificate of Registration for a UK Design

Design number: 6291241

Grant date: 30 June 2023

Registration date: 19 June 2023

This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Dr. Sumita Chaturvedi, Dr. Pallavi Himanshu Agrawal, Er. Vinod Kumar, Er.

Anurag Sharma, Dr. Saurabh Kumar Yadav, Dr. Chandra Bahadur Khatri, Dr.

Samrati Mahajan

in respect of the application of such design to:

NOVEL IOT BASED COMPUTERISED NUMERICAL CONTROL FIBER LASER

COMPOSITE MATERIAL CUTTING MACHINE

International Design Classification:

Version: 14-2023

Class: 15 MACHINES, NOT ELSEWHERE SPECIFIED

Subclass: 06 TEXTILE, SEWING, KNITTING AND EMBROIDERING
MACHINES, INCLUDING THEIR INTEGRAL PARTS

Adam Williams

Comptroller-General of Patents, Designs and Trade Marks
Intellectual Property Office

The attention of the Proprietor(s) is drawn to the important notes overleaf.

Intellectual Property Office is an operating name of the Patent Office

www.gov.uk/gov



202023104310 Granted Dr, Sumita Chaturvedi, Dr. Jahanarah Khatoon, Uday Veer Singh

 Bundesrepublik Deutschland 

Urkunde

über die Eintragung des Gebrauchsmusters Nr. 20 2023 104 309

Bezeichnung:

Ein IoT-basiertes automatisches System zur Herstellung von biologischem Vermikompost

IPC:

C05F 17/90

Inhaber/Inhaberin:

Arora, Kavita, Dr., Faridabad, Haryana, IN
Chaturvedi, Sumita, Dr., Lucknow, Uttar Pradesh, IN
Darji, Yashesh Anilkumar, Patan, Gujarat, IN
Dash, Bishnuprasad, Dr., Ranpur, Odisha, IN
Kalra, Nishi, Faridabad, Haryana, IN
Kaur, Amrinder, Dr., Faridabad, Haryana, IN
Khadkikar, Prajakta Ajay, Dr., Pune, Maharashtra, IN
Khan, Farhina Sardar, Dr., Lucknow, Uttar Pradesh, IN
Khatoon, Jahanarah, Lucknow, Uttar Pradesh, IN
Mahajan, Rupali Atul, Dr., Pune, Maharashtra, IN
Nagpal, Tapsi, Dr., Faridabad, Haryana, IN
Padhy, Jagannath, Ganjam, Odisha, IN
Panda, Prafulla Kumar, Dr., Berhampur, Odisha, IN
Iyer, Sailesh, Dr., Ahmedabad, Gujarat, IN
Sakhare, Nitin Nandkumar, Pune, Maharashtra, IN
Singh, Uday Veer, Gola Gokarna Nath, Uttar Pradesh, IN
Subramaniam, Sangeetha, Karur, Tamil Nadu, IN

Tag der Anmeldung:

31.07.2023

Tag der Eintragung:

01.09.2023

Die Präsidentin des Deutschen Patent- und Markenamts

Eva Schewior



München, 01.09.2023

Die Voraussetzungen der Schutzfähigkeit werden bei der Eintragung eines Gebrauchsmusters nicht geprüft.
Den aktuellen Rechtsstand und Schutzzumfang entnehmen Sie bitte dem DPMAregister unter www.dpma.de.



6304591 Granted Dr. Sumita Chaturvedi, Dr. Prem Kumar Bharti



Intellectual
Property
Office

Certificate of Registration for a UK Design

Design number: 6304581

Grant date: 31 August 2023

Registration date: 20 August 2023

This is to certify that

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Dr. Sumita Chaturvedi, Dr. Prem Kumar Bharti, Dr. Amit Porwal, Er. Ankit

Srivastava, Dr. Saurabh Kumar Yadav, Prof. (Dr.) Parul Gupta, Shubham Singh,

Dr. Namrata Gain, Dr. Kaberi Das

in respect of the application of such design to:

Quad laser Optics Metal Additive Manufacturing Machine

International Design Classification:

Version: 14-2023

Class: 15 MACHINES, NOT ELSEWHERE SPECIFIED

Subclass: 05 MACHINE TOOLS, ABRADING AND POLISHING MACHINERY

Adam Williams

Comptroller-General of Patents, Designs and Trade Marks

Intellectual Property Office

The attention of the Proprietor(s) is drawn to the important notes overleaf.



Intellectual Property Office is an operating name of the Patent Office

www.gov.uk/ipa

(19)  Deutsches
Patent- und Markenamt



(10) **DE 20 2022 101 070 U1** 2022.04.14

(12) **Gebrauchsmusterschrift**

(21) Aktenzeichen: **20 2022 101 070.6**
(22) Anmeldetag: **24.02.2022**
(47) Eintragungstag: **09.03.2022**
(45) Bekanntmachungstag im Patentblatt: **14.04.2022**

(51) Int Cl.: **A61K 36/28** (2006.01)
A61K 33/38 (2006.01)
A61P 13/12 (2006.01)

(73) Name und Wohnsitz des Inhabers:
Dash, Pragyandip Parthasarathi, Dr., Lucknow, UP, IN; Dwivedi, Deepti, Ayodhya, UP, IN; Farooqui, Alvina, Dr., Lucknow, UP, IN; Islam, Anas, Lucknow, UP, IN; Mishra, Anuradha, Dr., Lucknow, UP, IN; Saraswat, Nikita, Dr., Pune, MH, IN; Siddiqui, Mohd Aftab, Dr., Lucknow, UP, IN; Singh, Satya Prakash, Dr., Ayodhya, UP, IN; Verma, Preeti, Saharanpur, UP, IN

(74) Name und Wohnsitz des Vertreters:
Hohendorf Kierdorf Patentanwälte PartGmbB, 50672 Köln, DE

Die folgenden Angaben sind den vom Anmelder eingereichten Unterlagen entnommen.

(54) Bezeichnung: **Nephroprotectant für akute Nierenverletzung**

(57) Hauptanspruch: Kräuterformulierung zur Behandlung einer akuten Nierenschädigung, dadurch gekennzeichnet, dass die Formulierung einen Extrakt aus einem Teil einer Kräuterpflanze umfasst, die *Silybum marium* und zusätzliche Hilfsstoffe umfasst.



2021103141 Granted Dr. Sandeep Kumar Nayak



Australian Government

IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021103141

The Commissioner of Patents has granted the above patent on 11 May 2022, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Vipin Khatri of Research Scholar, Department of Computer Application, Integral University, Dasauli Baa-ha Kursi Road, Lucknow, Uttar Pradesh 226026 India

Sandeep Kumar Nayak of Associate Professor, Department of Computer Application, Integral University, Dasauli Baa-ha Kursi Road, Lucknow, Uttar Pradesh 226026 India

Deepak Kumar Singh of Adjunct Professor, Jaipuria Institute of Management, Vineet Khand, Gomti Nagar Lucknow, Uttar Pradesh 226010 India

Title of invention:

FRAUD DETECTION-DECISION SUPPORT SYSTEM FOR PLASTIC CARD BASED TRANSACTION SYSTEM THROUGH SECURING THE USER'S END AND METHOD THEREOF

Name of inventor(s):

Khatri, Vipin; Nayak, Sandeep Kumar and Singh, Deepak Kumar

Term of Patent:

Eight years from 6 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 11th day of May 2022

Commissioner of Patents

PATENTS ACT 1990

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

This data, for application number 2021103141, is current as of 2022-11-15 21:00 AEST



— Bundesrepublik Deutschland —

Urkunde

über die Eintragung des
Gebrauchsmusters Nr. 20 2022 102 834

Bezeichnung:

Solarbasiertes tragbares Hydroponiksystem

IPC:

A01G 31/06

Inhaber/Inhaberin:

Asfaq, Asfaq, Lucknow, UP, IN
Fatima, Faria, Lucknow, UP, IN
Hasanain, Mohammad, Lucknow, UP, IN
Nasir, Gazia, Lucknow, UP, IN
Siddiqui, Saba, Lucknow, UP, IN

Tag der Anmeldung:

23.05.2022

Tag der Eintragung:

03.06.2022

Die Präsidentin des Deutschen Patent- und Markenamts

Cornelia Rudloff-Schäfer

Cornelia Rudloff-Schäfer

München, 03.06.2022



Die Voraussetzungen der Schutzfähigkeit werden bei der Eintragung eines Gebrauchsmusters nicht geprüft.
Den aktuellen Rechtsstand und Schutzbereich entnehmen Sie bitte dem DPMAregister unter www.dpma.de.



 Bundesrepublik Deutschland 

Urkunde

über die Eintragung des
Gebrauchsmusters Nr. 20 2022 103 801

Bezeichnung:

Ein intelligentes Finanzverwaltungssystem für E-Commerce-Websites zur
Analyse von Preisen und Gewinnen durch maschinelles Lernen

IPC:

G06Q 30/00

Inhaber/Inhaberin:

Alemran, Ahmed, Dr., Al Amarah, IQ
Dixit, Chandra Kumar, Dr., Lucknow, Uttar Pradesh, IN
Gupta, Shashi Kant, Dr., Lucknow, Uttar Pradesh, IN
Haralayya, Bhadrappa, Dr., Kalaburagi, Karnataka, IN
Husain, Firoz, Dr., Lucknow, Uttar Pradesh, IN
Karras, Dimitrios A., Prof. Dr., Tirana, AL
Khan, Abdul Tayyab, Dr., Lucknow, Uttar Pradesh, IN
Khan, Imran Ullah, Dr., Firozabad, Uttar Pradesh, IN
Pathak, Anchal, Dr., Bule Hora, ET
Singh, Hemant Kumar, Dr., Lucknow, Uttar Pradesh, IN
Singh, Prabhdeep, Lucknow, Uttar Pradesh, IN
Tran, Tien Anh, Dr., Hai Phong City, VN

Tag der Anmeldung:

07.07.2022

Tag der Eintragung:

02.08.2022

Die Präsidentin des Deutschen Patent- und Markenamts



Cornelia Rudloff-Schäffer

München, 02.08.2022



Die Voraussetzungen der Schutzfähigkeit werden bei der Eintragung eines Gebrauchsmusters nicht geprüft.
Den aktuellen Rechtsstand und Schutzbereich entnehmen Sie bitte dem DPMAregister unter www.dpma.de



202209667 Granted Dr. Shailendra Kumar



REPUBLIC OF SOUTH AFRICA

REPUBLIEK VAN SUID AFRIKA

PATENTS ACT, 1978

CERTIFICATE

accordance with section 44 (1) of the Patents Act, No. 57 of 1978, it is hereby certified that:

GUPTA, TARUN KUMAR; PANDEY, AMIT KUMAR; CHAURASIA, VIJAYSHRI; KUMAR, ANA; VAISHYA, RAHUL O; PATEL, PRAMOD KUMAR; MAGRAIYA, VIJAY KUMAR; SHRIVASTAVA, YOGESH; KORI, SHIV PRASAD; KUMAR, SHAILENDRA

Has been granted a patent in respect of an invention described and claimed in complete specification deposited at the Patent Office under the number

2022/09667

A copy of the complete specification is annexed, together with the relevant Form P2,

In testimony whereof, the seal of the Patent Office has been affixed at Pretoria with effect from the 30th day of November 2022


Registrar of Patents





2022/11202 Granted Prof. Abdul Rahman Khan



REPUBLIC OF SOUTH AFRICA

REPUBLIEK VAN SUID AFRIKA

PATENTS ACT, 1978

CERTIFICATE

In accordance with section 44 (1) of the Patents Act, No. 57 of 1978, it is hereby certified that:

KANT, RAVI; AMETA, KESHAV LALIT; KHAN, IFTIKHAR AHMAD; KHAN, ABDUL RAHMAN; SHARMA, DINESH KUMAR; RANI, PREETI; PANDEY, JAYA; KUMAR, ATUL

Has been granted a patent in respect of an invention described and claimed in complete specification deposited at the Patent Office under the number

2022/11202

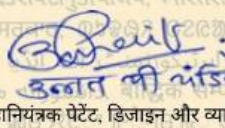
A copy of the complete specification is annexed, together with the relevant Form P2.

In testimony thereof, the seal of the Patent Office has been affixed at Pretoria with effect from the 21st day of December 2022

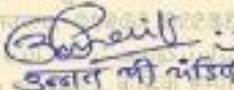

Registrar of Patents



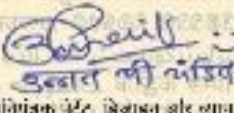
414686-001 Granted Dr. Imran Hussain

 INTELLECTUAL PROPERTY INDIA PATENTS DESIGNS TRADE MARKS GEOGRAPHICAL INDICATIONS		 भारत सरकार Government of India	
पेटेंट कार्यालय, भारत सरकार The Patent Office, Government of India		डिजाइन के पंजीकरण का प्रमाण पत्र Certificate of Registration of Design	
डिजाइन सं. / Design No.	414686-001	तारीख / Date	24/04/2024
पारस्परिकता तारीख / Reciprocity Date*	*		
देश / Country	India		
प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो CANCER CELL TRANSFORMATION DEVICE से संबंधित है, का पंजीकरण, श्रेणी 24-01 में 1.Dr. Mirza Masroor Ali Beg 2. Dr. Ravi K. Deshwal 3.Dr. Haroon Habib Beigh 4.Dr. Nawaid Hussain Khan 5.Dr. Imran Hussain के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।			
Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 24-01 in respect of the application of such design to CANCER CELL TRANSFORMATION DEVICE in the name of 1.Dr. Mirza Masroor Ali Beg 2. Dr. Ravi K. Deshwal 3.Dr. Haroon Habib Beigh 4.Dr. Nawaid Hussain Khan 5.Dr. Imran Hussain.			
डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अधधीन प्रावधानों के अनुसरण में। In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.			
जारी करने की तिथि : Date of Issue	06/06/2024	 महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न Controller General of Patents, Designs and Trade Marks	
*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वताधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है। The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.			

423194-001 Granted Dr. Naimur Rahman Kidwai, Dr. Saba Siddiqui

 INTELLECTUAL PROPERTY INDIA Knowledge Without Borders		 भारत सरकार Government of India		ORIGINAL का. सं. Serial No.: 179043	
पेटेंट कार्यालय, भारत सरकार The Patent Office, Government Of India					
डिजाइन के पंजीकरण का प्रमाण पत्र Certificate of Registration of Design					
डिजाइन सं. / Design No.		423194-001			
तारीख / Date		15/07/2024			
परस्परिकता तारीख / Reciprocity Date :					
देश / Country :					
प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो CROP HEALTH MONITORING DEVICE से संबंधित है, का पंजीकरण, श्रेणी 15-03 में 1.Ms. Meena Kumari 2. Dr. Naimur Rahman Kidwai 3. Dr. Shimi. S. L. 4. Dr. Saba Siddiqui 5. Mr. Aryan Vashisth 6. Ms. Anshu Khare के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।					
Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 15-03 in respect of the application of such design to CROP HEALTH MONITORING DEVICE in the name of 1.Ms. Meena Kumari 2. Dr. Naimur Rahman Kidwai 3. Dr. Shimi. S. L. 4. Dr. Saba Siddiqui 5. Mr. Aryan Vashisth 6. Ms. Anshu Khare.					
डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्यायीन प्रावधानों के अनुसरण में।					
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.					
जारी नाल की तिथि Date of Issue :		27/06/2024			
		 उपलब्ध की संख्या उपलब्धता संख्या			
परस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वतंत्रतापूर्वक पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के विवेचनों के अंतर्गत, यदि वर्षों की अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग वैश्विक कार्यवाही अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।					
The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.					

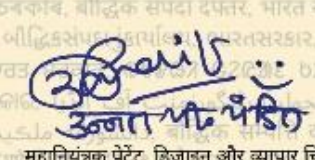
431245-001 Granted Dr. Malik Mobeen Ahmad, Prof. Saba Siddiqui, Dr. Tanseem Ahmed, Prof. Mohammad Faisal, Dr. Halima Sadia

 INTELLECTUAL PROPERTY INDIA Knowledge Without Borders		 भारत सरकार Government of India		ORIGINAL का. सं. Serial No.: 179013	
पेटेंट कार्यालय, भारत सरकार The Patent Office, Government Of India		डिजाइन के पंजीकरण का प्रमाण पत्र Certificate of Registration of Design			
डिजाइन सं. / Design No.		423194-001			
तारीख / Date		15/07/2024			
परस्परिकता तारीख / Reciprocity Date		देश / Country			
प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो CROP HEALTH MONITORING DEVICE से संबंधित है, का पंजीकरण, श्रेणी 15-03 में 1.Ms. Meena Kumari 2. Dr. Naimur Rahman Kidwai 3. Dr. Shimi. S. L. 4. Dr. Saba Siddiqui 5. Mr. Aryan Vashisth 6. Ms. Anshu Khare के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है। Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 15-03 in respect of the application of such design to CROP HEALTH MONITORING DEVICE in the name of 1.Ms. Meena Kumari 2. Dr. Naimur Rahman Kidwai 3. Dr. Shimi. S. L. 4. Dr. Saba Siddiqui 5. Mr. Aryan Vashisth 6. Ms. Anshu Khare.					
डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्यायीन प्रावधानों के अनुसरण में। In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.					
जारी करने की तिथि / Date of Issue		27/06/2024			
		 उत्पाद की नसिप महाविभागाध्यक्ष, पेटेंट, डिजाइन और वाणिज्य निशान Controller General of Patents, Designs and Trade Marks			
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474293 Granted Mohammed Arifuddin Mallick, Mohammad Asim, M M Shadab

 INTELLECTUAL PROPERTY OFFICE GOVERNMENT OF INDIA	 भारत सरकार GOVERNMENT OF INDIA
पेटेंट कार्यालय, भारत सरकार	The Patent Office, Government Of India
पेटेंट प्रमाण पत्र	Patent Certificate
पेटेंट नियमावली का नियम 70	(Rule 70 of The Patents Rules)
पेटेंट नं. / Patent No	4/4293
अवेदन सं. / Application No.	3474/Del/2015
फाइल करने की तारीख / Date of Filing	27/10/2015
पेटेंटी / Patentee	DR. MOHAMMED ARIFUD DIN MALICK 2. MOHAMMED ASIM 3. MIRZA MOHAMMAD SHADAB
प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में वर्णित A LOW COST SOLAR VISCOMETER नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख अक्टूबर 2015 के सत्रहवें दिन 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 A LOW COST SOLAR VISCOMETER as disclosed in the above mentioned application for the term of 20 years from the 27th day of October 2015 in accordance with the provisions of the Patents Act, 1970.	
अनुदान की तारीख / Date of Grant	
29/11/2023	
नियम के तहत / Under the Rules	
29/11/2023	
Controller of Patents	



 INTELLECTUAL PROPERTY INDIA PATENTS DESIGNS TRADE MARKS GEOGRAPHICAL INDICATIONS		 भारत सरकार Government of India		
पेटेंट कार्यालय, भारत सरकार The Patent Office, Government of India		डिजाइन के पंजीकरण का प्रमाण पत्र Certificate of Registration of Design		
डिजाइन सं. / Design No. : 492484-001		तारीख / Date : 24/02/2026		
पारस्परिकता तारीख / Reciprocity Date* :		देश / Country :		
प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो STRESS DETECTION DEVICE USING ML से संबंधित है, का पंजीकरण, श्रेणी 24-01 में 1.Dr. ELANGO VAN GURUVA REDDY 2. Dr. V. KANNAN 3.Dr. I. MANIMOZHI 4.Dr. T. NALLUSAMY 5.Dr. SHEEBA PRAVEEN 6.Ms. D. MAITHRA 7.Dr. MUKTESWAR PATRA 8.Dr. Vinay Avasthi के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है। Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 24-01 in respect of the application of such design to STRESS DETECTION DEVICE USING ML in the name of 1.Dr. ELANGO VAN GURUVA REDDY 2. Dr. V. KANNAN 3.Dr. I. MANIMOZHI 4.Dr. T. NALLUSAMY 5.Dr. SHEEBA PRAVEEN 6.Ms. D. MAITHRA 7.Dr. MUKTESWAR PATRA 8.Dr. Vinay Avasthi. डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन प्रावधानों के अनुसरण में। In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.				
जारी करने की तिथि : 27/04/2026 Date of Issue		 उत्तम पी. सिंह महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न Controller General of Patents, Designs and Trade Marks		
*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वताधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है। The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.				



202411039019 A Published, Gazia Nasir, Prof. Mohammad Haris Siddiqui

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202411039019 A

(19) INDIA

(22) Date of filing of Application :17/05/2024

(43) Publication Date : 28/06/2024

(54) Title of the invention : SOLAR POWERED PORTABLE HYDROPONIC SETUP FOR SEED GERMINATION

(51) International classification :A01G31/02, A01G31/06, A01C1/02,
H02J7/35
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

ABSTRACT The present invention pertains seed germination system and, more specifically, to a solar-based hydroponics crop germination system comprising a hydroponic structure made up of aluminum sheets, a solar panel is installed at the top of the structure to absorb sunlight; a battery connected to the solar panel to store energy received from sun, a solar charger controller to shows the status of the battery, a blue LED light act as a chlorophyll production for crops, a hydroponic net cups to grow plants.

No. of Pages : 34 No. of Claims : 8

202411044095 A Published, Gazia Nasir, Prof. Mohammad Haris Siddiqui,

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202411044095 A

(19) INDIA

(22) Date of filing of Application :06/06/2024

(43) Publication Date : 28/06/2024

(54) Title of the invention : A DOMESTIC PORTABLE HYDROPHONIC SYSTEM

(51) International classification :A01G31/02, A01G31/06,
A01G27/00
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

ABSTRACT The present invention discloses a domestic portable hydroponic system to grow plants with full portability allowing omnidirectional relocation, facilitating with easy assembly of variable height adjustment platform and minimal space utility. The system comprises a deep flow type hydroponic setup supported by a frame with four caster wheels, connecting rods, plant holding tubular platform, nutrition tank for supplying nutrient mixture to the plants.

No. of Pages : 28 No. of Claims : 9



202431089110 A Published, Dr. Ashish, Dr. Khwaja Osama,

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202431089110 A

(19) INDIA

(22) Date of filing of Application :18/11/2024

(43) Publication Date : 22/11/2024

(54) Title of the invention : A PROCESS AND SYSTEM FOR ENHANCED BIODEGRADATION OF PLASTIC WASTE USING GENETICALLY ENGINEERED MICROORGANISMS

(51) International classification :C12N0009180000, C08J0011100000, C12N0015700000, B09B0003000000, C12P0007440000
(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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10)Vivek Raj
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(57) Abstract :
The present invention relates to the development of genetically engineered microorganisms designed for the efficient biodegradation of plastic waste. This innovative approach addresses the growing environmental challenge posed by plastic pollution by utilizing microbial strains, such as Escherichia coli and Pseudomonas putida, genetically modified to express plastic-degrading enzymes like PETase and MHEase. These enzymes accelerate the breakdown of synthetic plastics, including polyethylene (PE) and polyethylene terephthalate (PET), into environmentally benign byproducts such as carbon dioxide and water. The microorganisms are further optimized through directed evolution and metabolic engineering to enhance enzyme activity, stability, and byproduct utilization. This technology offers a scalable, eco-friendly solution for plastic waste management, applicable in industrial waste treatment plants, landfills, and polluted natural environments. The invention promises significant advancements in reducing plastic pollution and promoting sustainable environmental practices.

No. of Pages : 20 No. of Claims : 8



(10) **DE 20 2024 103 928 U1 2024.11.14**

(12) **Gebrauchsmusterschrift**

(21) Aktenzeichen: **20 2024 103 928.9**
(22) Anmeldetag: **15.07.2024**
(47) Eintragungstag: **07.10.2024**
(45) Bekanntmachungstag im Patentblatt: **14.11.2024**

(51) Int Cl.: **G16H 50/30 (2018.01)**
A61B 5/00 (2006.01)
G01J 3/30 (2006.01)

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Srivastav, Ajeet Kumar, Dr., Gurugram, Haryana,
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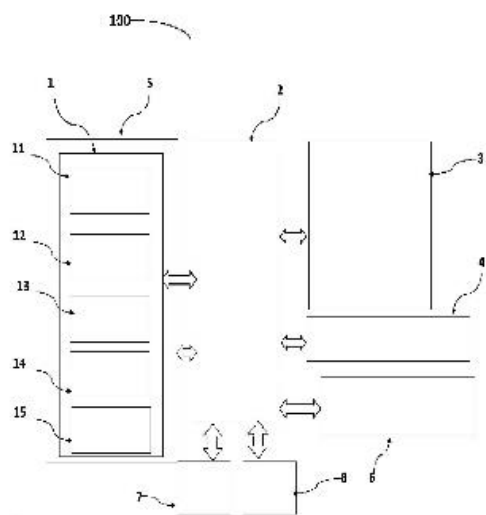
(74) Name und Wohnsitz des Vertreters:
LIPPERT STACHOW Patentanwälte
Rechtsanwälte Partnerschaft mbB, 46117
Oberhausen, DE

Die folgenden Angaben sind den vom Anmelder eingereichten Unterlagen entnommen.

(54) Bezeichnung: **Fortschrittliches UV-A- und UV-B-basiertes Überwachungssystem für ein optimales Hautgesundheitsmanagement**

(57) Hauptanspruch: Ein auf UV-A und UV-B basierendes Überwachungssystem (100) für ein optimales Hautgesundheitsmanagement, umfassend:
a. Eine Sensoranordnung (1), bestehend aus
b. Mindestens ein erster Sensor (11), der die Intensität der ultravioletten A-Strahlung (UV-A) erfassen kann.
c. Mindestens ein zweiter Sensor (12), der die Intensität der ultravioletten B-Strahlung (UV-B) erfassen kann.
d. einen Hauttemperatursensor (13).
e. einen Biosensor (14), der zur Messung relevanter Hautbiomarker (z. B. Feuchtigkeit, Melanin Gehalt) geeignet ist.
f. einen Lichtdiffusor (15), der so konfiguriert ist, dass er die einfallende UV-Strahlung auf den ersten und den zweiten Sensor verteilt. eine Verarbeitungseinheit (2), die so konfiguriert ist, dass sie Daten von der Sensoranordnung (1) empfängt, die so angepasst ist, dass sie einen UV-Index auf der Grundlage der erfassten UV-A- und UV-B-Strahlungsintensitäten berechnet, wobei die Verarbeitungseinheit (2) ferner so angepasst ist, dass sie ein potenzielles Hautschadensrisiko auf der Grundlage des UV-Index und benutzerspezifischer Faktoren (z. B. Hauttyp, Sonnenexpositionsgeschichte) bewertet, und die optional so konfiguriert ist, dass sie die Haut analysiert Biomarkerdaten, um eine umfassendere Bewertung der Hautgesundheit zu ermöglichen, das
eine Verarbeitungseinheit (2) nutzen Algorithmen des maschinellen Lernens, um Empfehlungen auf der Grundlage von Benutzerdaten und historischen Nutzungsmustern zu personalisieren.
eine Benutzerschnittstelleneinheit (3) ist so ausgelegt, dass sie den UV-Index, das potenzielle Hautschadensrisiko und personalisierte Empfehlungen für den Sonnenschutz anzeigt (z. B. empfohlener Lichtschutzfaktor, Dauer der Sonnenexposition), und die Benutzerschnittstelleneinheit (3) ist so konfiguriert, dass sie Hautbiomarkerdaten und personalisierte Ratschläge für eine optimale Hautgesundheit anzeigt (z. B. Feuchtigkeitstipps, gezielte Hautpflegeroutinen);

eine mobile Anwendung (4), die über ein Smartphone oder ein anderes mobiles Gerät zugänglich ist;
ein tragbares Gerät (5) (z. B. eine Smartwatch), das in die Sensoreinheit (1) integriert ist;
eine Anzeigeeinheit (6) zur Darstellung von UV-Strahlungswerten und Hautgesundheitsinformationen für den Benutzer;
ein Kommunikationsmodul (7) zur Übertragung von Daten an einen entfernten Server; und
eine Stromversorgungseinheit (8) mit wiederaufladbarer Batterie und Solarladefähigkeit.





Office of the Controller General of Patents, Designs & Trade Marks
Department for Promotion of Industry and Internal Trade
Ministry of Commerce & Industry,
Government of India



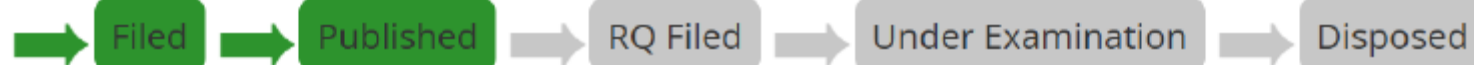
Application Details

APPLICATION NUMBER	202441077609
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	14/10/2024
APPLICANT NAME	1 . Dr. V. Selvakumar 2 . P. Lavanya 3 . Mukesh Soni 4 . Dr. Srinivas K. S. 5 . Vishal Agarwal 6 . Dr. E. Ahila Devi
TITLE OF INVENTION	A Machine Learning-Driven Wearable Sensor Monitoring and Classification based Personalised Healthcare System
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
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PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	25/10/2024

Application Status

APPLICATION STATUS	Awaiting Request for Examination
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[View Documents](#)



202411089336 Published Dr. Abida Khanam



Office of the Controller General of Patents, Designs & Trade Marks
Department for Promotion of Industry and Internal Trade
Ministry of Commerce & Industry,
Government of India



Application Details	
APPLICATION NUMBER	202411089336
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	18/11/2024
APPLICANT NAME	1 . Abida Khanam 2 . Mohd Faizan Farooqui
TITLE OF INVENTION	BLOCK CHAIN-BASED FRAMEWORK OPTIMIZED WITH GENETIC ALGORITHMS FOR SECURE ELECTRONIC HEALTH RECORDS
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
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PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	29/11/2024

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(21) Application No.202411089336 A

(19) INDIA

(22) Date of filing of Application :18/11/2024

(43) Publication Date : 29/11/2024

(54) Title of the invention : BLOCK CHAIN-BASED FRAMEWORK OPTIMIZED WITH GENETIC ALGORITHMS FOR SECURE ELECTRONIC HEALTH RECORDS

(51) International classification :G16H0010600000, G06F0021620000, H04L0009000000, H04L0009300000, H04L0009320000
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

This invention introduces a secure, blockchain-based framework for electronic health records (EHR) management, addressing critical privacy, security, and accessibility needs in healthcare. Traditional centralized systems are vulnerable to data breaches, single points of failure, and fragmented records, limiting secure, unified data storage. This proposed framework overcomes these issues by combining blockchain technology with Genetic Algorithms (GAs) to enhance security and performance. Key components include the InterPlanetary File System (IPFS) for decentralized storage and Elliptic Curve Cryptography (ECC) for strong encryption. The Genetic Algorithm optimizes blockchain parameters such as block size, block time, and node count through a custom fitness function, evaluating security, latency, and resource usage. Implemented on Hyperledger Fabric and validated through Finite State Machine modeling, the system provides high data security, efficient retrieval, and resilience against unauthorized access. With patient-centric access control via smart contracts, this framework offers an innovative solution for secure, scalable healthcare data management.

No. of Pages : 26 No. of Claims : 7

202411083285 Published Mohammed Asim

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202411083285 A

(19) INDIA

(22) Date of filing of Application :30/10/2024

(43) Publication Date : 13/12/2024

(54) Title of the invention : CMOS BASED OPERATIONAL AMPLIFIER WITH IMPROVED GAIN AND BANDWIDTH USING TRIPLE CASCODE OPERATIONAL TRANSCONDUCTANCE AMPLIFIER

(51) International classification :A61B0005000000, H03F0003450000, A61B0005398000, A61B0005389000, G06F0015780000 (86) International Application No :NA Filing Date :NA (87) International Publication No : NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	(71)Name of Applicant : 1)Integral University Address of Applicant :Kursi Road, Dasulli, Lucknow Lucknow ----- ---- Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Faraz Hashmi Address of Applicant :Department of Electronics and Communication Engineering, Jamia Millia Islamia, New Delhi New Delhi ----- 2)Mohammed Asim Address of Applicant :Department of Electrical Engineering, Integral University, Lucknow Lucknow ----- 3)M. Nizamuddin Address of Applicant :Department of Electronics and Communication Engineering, Jamia Millia Islamia, New Delhi New Delhi ----- 4)Mohd Taazeem Ansari Address of Applicant :Department of Applied Science and Humanities, Jamia Millia Islamia, New Delhi New Delhi ----- 5)Ambreen Siddiqui Address of Applicant :Department of Electrical Engineering, Integral University, Lucknow Lucknow -----
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(57) Abstract :

To capture and initialize a physiological signal from the human body, such as Electroencephalogram (EEG), Electrooculogram (EOG), Electrocardiogram (ECG), and Electromyogram (EMG) for subsequent digital signal processing, the circuit requires an analog signal processor. Operational Amplifier (Op-Amp) circuits are crucial in designing high-precision analog and mixed-signal blocks. Proper operational amplifier design affects the performance of a mixed signal integrated circuit system. A novel CMOS-based operational amplifier with improved gain and bandwidth is shown using a triple cascode operational transconductance amplifier. Op-amp circuits have replaced conventional solid-state analog control systems for biomedical signal processing and communication applications. The first stage involves an operational transconductance amplifier (OTA) with a single-ended output. The following stage involves a common source (CS) output stage with an active load. Furthermore, Simulation research shows a voltage gain of 35.78 dB, a bandwidth of 13.65 GHz, and an average power of 119.45 μ W at the 45 nm technology node.

No. of Pages : 14 No. of Claims : 8



Office of the Controller General of Patents, Designs & Trade Marks
Department for Promotion of Industry and Internal Trade
Ministry of Commerce & Industry,
Government of India

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



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

Application Details

APPLICATION NUMBER	202411076789
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	10/10/2024
APPLICANT NAME	1 . Dr. Deepak Kholiya 2 . Prof.(Dr) Jayant Shekhar 3 . Dr. Mahesh Ashok Bomble 4 . S. Preethijohnevelin 5 . Dr. Smita Suhane 6 . Slnthuja P M 7 . G. Joy Padma Dlnesh 8 . J A Jevin 9 . Dr Vishwanath Patil 10 . Sudarshan Balasaheb Babar 11 . Mohd Reyaz Ur Rahim 12 . Amruta Chandrakant Amune
TITLE OF INVENTION	SMART AGRICULTURE: DRONE-BASED PEST DETECTION AND SPRAYING WITH MACHINE LEARNING AND IOT SECURITY FOR IMPROVED CROP YIELDS
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	patent.vaagaiip@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	18/10/2024

Application Status

202411063264 Published Dr. Mohd Faizan Hasan

<https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus>

GOVERNMENT OF INDIA

सत्यमेव जयते

Application Details	
APPLICATION NUMBER	202411063264
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	22/08/2024
APPLICANT NAME	1 . Dr. Laxmi Biban 2 . Dr. Deepak Sundrani 3 . Lakshmi Kanth Moganti 4 . Karthick B 5 . Dr.G.Prabhakaran 6 . Dr. Mohd Faizan Hasan 7 . Siddhardhan R 8 . Dr.C.Ramesh 9 . Dr R.Ramya Swetha 10 . Anthony Savio Herminio Da Piedade Fernandes 11 . Pratik Mahadeo Londhe 12 . Prashantha Kumar K
TITLE OF INVENTION	ECO-FRIENDLY CONSTRUCTION: INTEGRATING BIODESIGN WITH ADDITIVE MANUFACTURING
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	patent.vaagaiip@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	30/08/2024

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202431052899 A

(19) INDIA

(22) Date of filing of Application :10/07/2024

(43) Publication Date : 19/07/2024

(54) Title of the invention : ANALYSIS AND STUDY OF HYDROTHERMAL SYNTHESIS OF BISMUTH FERRITE HOLLOW SPHERES WITH ENHANCED VISIBLE LIGHT PHOTOCATALYTIC ACTIVITY USING DEEP LEARNING APPROACHES

		(71)Name of Applicant : 1)Dr. Raj Kumar Gupta Address of Applicant : Assistant Professor, Physics Department, Sardar Vallabhbhai Patel College, Bhabua (Veer Kuwar Singh University, Ara) Bihar, Kaimur, India. ----- 2)Dr. Deepak Bhupal Shirgaonkar 3)Dr T SPLN Prasad 4)Shridhar Mathad 5)T Pavithra 6)Dr. Nikhil Rastogi 7)Rajni Kant Verma 8)Dharmbir Singh 9)Karthi K 10)Dr. N. Venkatachalam 11)Mohd Faizan Hasan 12)Dr. Rajeev Ranjan Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Dr. Raj Kumar Gupta Address of Applicant : Assistant Professor, Physics Department, Sardar Vallabhbhai Patel College, Bhabua (Veer Kuwar Singh University, Ara) Bihar, Kaimur, India. ----- 2)Dr. Deepak Bhupal Shirgaonkar Address of Applicant : Department of Physics, Anandibai Raorane Arts, Commerce and Science College, Vaibhavwadi, 416810, Sindhudurg, Maharashtra, India. ----- 3)Dr T SPLN Prasad Address of Applicant : Assistant Professor, PG Dept. of Physics, A V College of Arts, Science and Commerce, Hyderabad-500029, Domalguda, Telangana, India. ----- 4)Shridhar Mathad Address of Applicant : Associate Professor, Department of Physics, KLE Institute of Technology, Hubballi, 580027, Dharwad, Karnataka, India. ----- 5)T Pavithra Address of Applicant : Assistant Professor, Department of Biotechnology, Shri Indra ganesan institute of medical science - School of Allied Health Science, Madurai Main Road, Manikandan, Trichy -620012 Tamilnadu, India. ----- 6)Dr. Nikhil Rastogi Address of Applicant : Professor-Physics & Joint Registrar (ARC), Teerthanker Mahaveer University, Moradabad, Uttar Pradesh, India ----- 7)Rajni Kant Verma Address of Applicant : Research Scholar, Department of Physics and Computer Science, Faculty of Science, Dayalbagh Educational Institute (Deemed to be University), Dayalbagh, Agra-282005, Uttar Pradesh, India. --- 8)Dharmbir Singh Address of Applicant : DPG Degree College, Gurgaon, Haryana, India. ----- 9)Karthi K Address of Applicant : Assistant Professor, Sri Sai Ranganathan Engineering College, Rec Kalvi Nagar, Viraliyur Po, Thondamuthur, Coimbatore -641109, Tamilnadu, India. ----- 10)Dr. N. Venkatachalam Address of Applicant : Associate Professor, Mechanical Engineering, Exoel Engineering College (Autonomous), Komarapalayam, Namakkal (D.t), Tamil nadu-637 303, India. ----- 11)Mohd Faizan Hasan Address of Applicant : Associate Professor, Department of Mechanical Engineering, Integral University, Lucknow, 226026, Uttar Pradesh, India ----- 12)Dr. Rajeev Ranjan Address of Applicant : Assistant Professor, University Department of Chemistry, DSPM University, Ranchi 834008, Jharkhand, India. -----
(51) International classification	B01J0035000000, B82Y0030000000, C02F0001720000, B82Y0040000000, B01J0003000000	
(86) International Application No	NA	
Filing Date	NA	
(87) International Publication No	NA	
(61) Patent of Addition to Application Number	NA	
Filing Date	NA	
(62) Divisional to Application Number	NA	
Filing Date	NA	

(57) Abstract :
ANALYSIS AND STUDY OF HYDROTHERMAL SYNTHESIS OF BISMUTH FERRITE HOLLOW SPHERES WITH ENHANCED VISIBLE LIGHT PHOTOCATALYTIC ACTIVITY USING DEEP LEARNING APPROACHES The developed method provides techniques and tools for the production of supercritical hydrothermal of cyclic nanoparticles. Use metal salt solution as raw material, produce acid in the reaction field after nanoparticle synthesis, and supply alkaline water solution to the reaction field to control the pH of the reaction field and control the size of particles of the synthesized fine particles are two steps of the supercritical hydrothermal synthesis method. Supercritical water oxidation is used to release heat, and cold materials are used in supercritical water thermal fusion and preheated supercritical water oxidation reactions. This innovation offers a revolutionary technique to achieve hydrothermal synthesis of carbon quantum dots without the use of low-temperature plasma or other high-end devices. MXene nanosheets, bismuth-based photocatalyst nanoparticles and porous support layer are used to create composites of MXene/bismuth-based photocatalytic nanoparticles. This material advances the field of film preparation engineering and in particular offers MXene and bismuth-based photocatalytic synthetic films. FIG.1

No. of Pages : 14 No. of Claims : 1

6354452 Published Ms. Noorishta Hashmi

GOV-UK

Find a registered design

Design number

6354452

Status

Registered

Registration date

22 March 2024

Renewal date

22 March 2029

Overview

Illustrations

Names and addresses

History

Application date

22 March 2024

Grant date

17 April 2024

Publication date

18 April 2024

Indication of Product

AI BASED HEART DISEASE PREDICTION DEVICE

Classification

Class

24 - MEDICAL AND LABORATORY EQUIPMENT

Sub class

02 - MEDICAL INSTRUMENTS, INSTRUMENTS AND TOOLS FOR LABORATORY USE

GOV-UK

Find a registered design

Design number

6354452

Status

Registered

Registration date

22 March 2024

Renewal date

22 March 2029

Overview

Illustrations

Names and addresses

History

Contact (address for service)

Vats IPR Services

13-15 TRAI ALGAR ROAD, BLACKPOOL, FY1 6AW

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Shiv Charan Puri	Assistant Professor, Asansol Engineering College, Kanyapur, Asansol 713305

202411079610 A Published Dr Sheeba Parveen

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202411079610 A

(19) INDIA

(22) Date of filing of Application :19/10/2024

(43) Publication Date : 01/11/2024

(54) Title of the invention : DUAL-CHAMBER WATER BOTTLE WITH SEPARATE HOT AND COLD COMPARTMENTS

(51) International classification :B65D25/04, B65D25/06, B65D81/18 (86) International Application No :NA Filing Date :NA (87) International Publication No : NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	(71)Name of Applicant : 1)Asif Ahmad Address of Applicant :Dr. Asif Ahmad, S/o Mr. Ashfaq Ahmad, C-97, G.T.B. Nagar, Karoli Scheme, ----- 2)Dr. Asif Ahmad Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Dr. Asif Ahmad Address of Applicant :Associate Professor, Department of Mechanical Engineering, Pranveer Singh Institute of Technology, Kanpur-209305, Uttar Pradesh, India. Kanpur ----- 2)Dr. Ishfaq Ahmad Address of Applicant :Assistant Professor Grade-I, Department of Civil Engineering, National Institute of Technology, Raipur-492010, Chhattisgarh, India. Raipur ----- 3)Dr. Sheeba Parveen Address of Applicant :Associate Professor, Department of Computer Science & Engineering, Integral University, Lucknow-226026, Uttar Pradesh, India. Lucknow ----- 4)Dr. Sarika Bajpai Address of Applicant :Associate Professor, Department of Basic Science & Humanities, Pranveer Singh Institute of Technology, Kanpur-209305, Uttar Pradesh, India. Kanpur ----- 5)Dr. Shalish Mishra Address of Applicant :Associate Professor, Department of Basic Science & Humanities, Pranveer Singh Institute of Technology, Kanpur-209305, Uttar Pradesh, India. Kanpur ----- 6)Dr. Araj Tripathi Address of Applicant :Professor, Department of Basic Science & Humanities, Pranveer Singh Institute of Technology, Kanpur-209305, Uttar Pradesh, India. Kanpur ----- 7)Dr. Amit Parashar Address of Applicant :Professor, Department of Basic Science & Humanities, Pranveer Singh Institute of Technology, Kanpur-209305, Uttar Pradesh, India. Kanpur -----
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(57) Abstract :

The Dual-Chamber Water Bottle with Separate Hot (13) and Cold (15) Compartments is a cutting-edge beverage container designed to keep hot and cold liquids at optimal temperatures while preventing flavour transfer. This innovative solution caters to outdoor, travellers, enthusiasts and busy individuals seeking versatile hydration options. By utilizing advanced double-walled insulation (14), the bottle maintains distinct temperature zones, ensuring hot drinks remain hot and cold beverages stay chilled for extended periods. Its robust, leak-proof design incorporates high-quality, enhancing safety and durability. The bottle features user-friendly elements, such as detachable parts (10, 11) for easy cleaning, ergonomic handles, and a compact design suitable for portability. Additionally, the dual-chamber structure promotes sustainability by reducing the need for multiple bottles, thus appealing to environmentally conscious consumers. This invention enhances the drinking experience, merging functionality, convenience, and eco-friendliness into a single, stylish product.

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

202411077893 A Published Dr Sheeba Parveen

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202411077893 A

(19) INDIA

(22) Date of filing of Application :14/10/2024

(43) Publication Date : 25/10/2024

(54) Title of the invention : IMPACT OF A SPHERE ON FLUID FLOW CHARACTERISTICS IN A NOZZLE TRANSITIONING ZONE

(51) International classification :F15D1/10, B05B1/00, B05B1/34,
G06F30/28
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Asif Ahmad

Address of Applicant :Dr. Asif Ahmad, S/o Mr. Ashfaq Ahmad, C-97, G.T.B. Nagar, Karchi Scheme, -----

2)Dr. Asif Ahmad

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr. Arti Saxena

Address of Applicant :Professor, Department of Electronics & Communication Engineering, Pranveer Singh Institute of Technology, Kanpur-209305, Uttar Pradesh, India. Kanpur -----

2)Dr. Aparna Dixit

Address of Applicant :Professor, Department of Basic Science & Humanities, Pranveer Singh Institute of Technology, Kanpur-209305, Uttar Pradesh, India. Kanpur -----

3)Dr. Sheeba Parveen

Address of Applicant :Associate Professor, Department of Computer Science & Engineering, Integral University, Lucknow-226026, Uttar Pradesh, India. Lucknow -----

4)Dr. Asif Ahmad

Address of Applicant :Associate Professor, Department of Mechanical Engineering, Pranveer Singh Institute of Technology, Kanpur-209305, Uttar Pradesh, India. Kanpur -----

(57) Abstract :

This innovation investigates the impact of a spherical object on fluid flow within a nozzle system, focusing on the transition zone between a larger diameter pipe and a reduced diameter nozzle. This innovative research is pivotal for industries such as automotive, chemical processing, and aerospace, where precise fluid flow management is essential for performance and efficiency. The presence of a sphere, with a diameter of 15 mm, in the transition zone introduces complexities such as altered flow patterns, turbulence, and pressure variations. These phenomena significantly influence flow characteristics by causing local flow separation, vortex formation, and changes in velocity profiles, thereby affecting nozzle performance and efficiency. The primary aim of this invention is to analyze how the sphere affects fluid dynamics within the nozzle's transitioning zone. Key objectives include predicting changes in flow velocity, pressure distribution around the sphere, and pressure distribution along the nozzle's inner surface. Results show that the average velocity of oxygen flow is 8.903 m/s due to the sphere, with maximum and minimum pressures of 101,374.28 pascals and 101,305.89 pascals at , respectively. Similarly, predicted maximum and minimum pressures on the inner surface of the nozzle section due to oxygen flow were 101,374.28 pascals and 101,305.89 pascals, respectively. Numerical simulations provide critical insights for refining nozzle designs, optimizing performance, and reducing development costs by allowing design engineer to modify the design prior to physical prototyping. This predicted analysis is essential for enhancing design efficiency and functionality.

No. of Pages : 30 No. of Claims : 4



ORIGINAL

मूल/No : 123448



भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE

डिजाइन के पंजीकरण का प्रमाणपत्र
CERTIFICATE OF REGISTRATION OF DESIGN

डिजाइन सं. / Design No.	:	372460-001
तारीख / Date	:	12/10/2022
पारस्परिकता तारीख / Reciprocity Date*	:	
देश / Country	:	

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **FAULT DIAGNOSIS APPARATUS FOR VEHICLE** से संबंधित है, का पंजीकरण, श्रेणी **10-04** में 1.Dr. Amrit Suman 2. Dr. Preetam Suman 3.Dr. Vipin Khattri 4.Mrs. Roshan Jahan 5.Dr. Varshali Jaiswal के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class **10-04** in respect of the application of such design to **FAULT DIAGNOSIS APPARATUS FOR VEHICLE** in the name of 1.Dr. Amrit Suman 2. Dr. Preetam Suman 3.Dr. Vipin Khattri 4.Mrs. Roshan Jahan 5.Dr. Varshali Jaiswal.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

INTELLECTUAL
PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

निर्गमन की तारीख/Date of Issue : 04/01/2023

महानिर्देशक पेटेंट डिजाइन और व्यापार चिह्न
Controller General of Patents, Designs and Trade Marks

पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति देश के नाम पर की गई है। डिजाइन का सत्यापन पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार अधिनियम एवं नियम के निबंधों के अधीन, पांच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

*The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.

202311003268 Published Syed Arshad Ahmad, Dr. Syed Nadeem Akhtar

https://ipsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus



Office of the Controller General of Patents, Designs & Trade Marks
Department for Promotion of Industry and Internal Trade
Ministry of Commerce & Industry,
Government of India



**INTELLECTUAL
PROPERTY INDIA**
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

Application Details	
APPLICATION NUMBER	202311003268
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	17/01/2023
APPLICANT NAME	Integral University
TITLE OF INVENTION	MAGNETIC DEFLECTION LATCHING RELAY SWITCH AND METHOD THEREOF
FIELD OF INVENTION	ELECTRICAL
E-MAIL (As Per Record)	saimamu@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	20/01/2023

Hot days ahead 10:02 AM 7/10/2026



		ORIGINAL मूल/No : 130835 
भारत सरकार GOVERNMENT OF INDIA पेटेंट कार्यालय THE PATENT OFFICE डिजाइन के पंजीकरण का प्रमाणपत्र CERTIFICATE OF REGISTRATION OF DESIGN		
डिजाइन सं. / Design No.	:	377613-001
तारीख / Date	:	18/01/2023
पारस्परिकता तारीख / Reciprocity Date*	:	
देश / Country	:	
प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो DEVICE FOR DETECTING DEPRESSION USING VOICE BIOMARKERS से संबंधित है, का पंजीकरण, श्रेणी 24-01 में 1.Dr. Preetam Suman 2. Dr. Masood Siddiqui 3.Dr. Deepak Singh 4.Dr. Vipin Khatri 5.Dr. Rajit Nair 6.Roshan Jahan के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है। Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 24-01 in respect of the application of such design to DEVICE FOR DETECTING DEPRESSION USING VOICE BIOMARKERS in the name of 1.Dr. Preetam Suman 2. Dr. Masood Siddiqui 3.Dr. Deepak Singh 4.Dr. Vipin Khatri 5.Dr. Rajit Nair 6.Roshan Jahan. डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्यायीन प्रावधानों के अनुसरण में। In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.		
INTELLECTUAL PROPERTY INDIA PATENTS DESIGNS TRADE MARKS GEOGRAPHICAL INDICATIONS		
निर्गमन की तारीख/Date of Issue : 14/03/2023	 महानियंत्रक पेटेंट डिजाइन और व्यापार चिह्न Controller General of Patents, Designs and Trade Marks	
पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति देश के नाम पर की गई है। डिजाइन का सत्त्वधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है। *The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.		



202311003230 Published Roshan Jahan

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 202311003230 A

(19) INDIA

(22) Date of filing of Application : 16/01/2023

(43) Publication Date : 20/01/2023

(54) Title of the invention : A REAL-TIME SYSTEM FOR PROCESSING A FINANCIAL TRANSACTION BETWEEN TWO PARTIES BASED ON MACHINE LEARNING

(51) International classification : G06Q0020400000, G06F0021320000, G06Q0020100000, G06Q0040020000, H04L0009320000 (86) International Application No : NA Filing Date : NA (87) International Publication No : NA (61) Patent of Addition to Application Number : NA Filing Date : NA (62) Divisional to Application Number : NA Filing Date : NA	(71) Name of Applicant : 1) Alim Al Ayub Ahmed Address of Applicant : School of Accounting, Jiujiang University, Jiujiang, Jiangxi, China ----- 2) Prof. Masood H. Siddiqui 3) Dr. Preetam Suman 4) Dr. Vipin Khattri 5) Roshan Jahan 6) Dr. Sanjiv Kumar Jain Name of Applicant : NA Address of Applicant : NA (72) Name of Inventor : 1) Alim Al Ayub Ahmed Address of Applicant : School of Accounting, Jiujiang University, Jiujiang, Jiangxi, China ----- 2) Prof. Masood H. Siddiqui Address of Applicant : Department of Statistics, University of Lucknow, Uttar Pradesh- 226025, India Lucknow ----- 3) Dr. Preetam Suman Address of Applicant : Program Chair, Assistant Professor Senior, CSE-Core, School of Computing Science and Engineering, VIT Bhopal University, Bhopal-Indore Highway, Kothrikalan, Sehore, Madhya Pradesh - 466114, India Bhopal ----- 4) Dr. Vipin Khattri Address of Applicant : Teerthanker Mahaveer University, Moradabad, Uttar Pradesh-244001, India Moradabad ----- 5) Roshan Jahan Address of Applicant : Integral University, Lucknow, Uttar Pradesh-226026, India Lucknow ----- 6) Dr. Sanjiv Kumar Jain Address of Applicant : Department of Electrical Engineering, Medi-Caps University, Indore, Madhya Pradesh- 453331, India Indore -----
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(57) Abstract :

The present invention generally relates to a real-time system for processing a financial transaction between two parties based on machine learning comprises a graphical user interface to register a transferor and a transferee using personal credentials; a pair of biometric input devices to record the biometric data of the transferor and transferee, wherein the pair of biometric input devices comprising a transferor biometric input device and a transferee biometric input device; wherein the transferor biometric input device generates a piece of biometric transaction information from the transferor and the transferee during a money transfer process; and a central processor to verify the identities of the transferor and transferee to permit money transfer upon comparing the biometric transaction information with the recorded biometric data of the transferor and transferee.

No. of Pages : 13 No. of Claims : 6



202311002997 Published Roshan Jahan, Manish Madhav Tripathi

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 202311002997 A

(19) INDIA

(22) Date of filing of Application : 15/01/2023

(43) Publication Date : 20/01/2023

(54) Title of the invention : A SYSTEM FOR EARLY DETECTION OF BRAIN TUMORS USING MACHINE LEARNING TECHNIQUES

(51) International classification : C12Q0001688600, G16B0030000000, G16B0040200000, G16B0040000000, G16B0050300000

(86) International Application No : NA
Filing Date : NA

(87) International Publication No : NA

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

(62) Divisional to Application Number : NA
Filing Date : NA

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(57) Abstract :

The system comprises a first central processor for generating a data acquisition application for generating CpG methylation data from a set of biological samples, the data acquisition application comprising a sequencing processor configured for performing CpG methylation by hybridizing at least one probe sequence to an extracted genomic DNA treated with a deaminating agent an input device receiving a first pair of CpG methylation datasets, a second pair of CpG methylation datasets, and a third pair of CpG methylation datasets; and a second central processor for generating a data analysis application for generating a cancer CpG methylation profile database, wherein the data analysis application comprising a data analysis processor for producing a pair-wise methylation difference dataset from the first, second, and third pair of datasets and evaluating the pair-wise methylation difference dataset with a control dataset to generate the cancer CpG methylation profile database for early detection of brain tumors.

No. of Pages : 13 No. of Claims : 7



202311002932 Published Syed Arshad Ahmad, Dr. Syed Nadeem Akhtar

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 202311002932 A

(19) INDIA

(22) Date of filing of Application : 14/01/2023

(43) Publication Date : 20/01/2023

(54) Title of the invention : DEFLECTION LATCHING RELAY SWITCH AND METHOD THEREOF

(51) International classification : H01H0051220000, H01H0009440000, H01H0033180000, A61M0025010000, F02N0011080000

(86) International Application No : NA
Filing Date : NA

(87) International Publication No : NA

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

(62) Divisional to Application Number : NA
Filing Date : NA

(71) Name of Applicant :

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Name of Applicant : NA

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2) Dr. Syed Nadeem Akhtar

Address of Applicant : Integral University Kursi Road Lucknow Lucknow -----

(57) Abstract :

The present invention relates to a Deflection Latching Relay Switch (100) for switching and controlling of electrical devices, using magnetic coupling and deflection. Present invention comprises permanent magnets (101), (102), a leaf switch (103) and a coil (111). Permanent magnet (101) pivoted at coupling assembly (107) with predetermined distance and location, free to rotate their centroid along with diameter. Wherein said coil (111) placed near Permanent magnet (101). The leaf switch (103) is pivoted at deflection assembly (108) from the centre of their length and free to deflect 15 millimetre. The one end of leaf switch (103) has movable contact (104), and the other end sticks with a permanent magnet (102). Two fixed contacts (105), (114) placed at deflection assembly (108). When voltage applies for a moment to coil (111) the contact becomes closed, and when reverse the voltage for a moment the contact gets open.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202321002998 A

(19) INDIA

(22) Date of filing of Application :15/01/2023

(43) Publication Date : 27/01/2023

(54) Title of the invention : A SYSTEM FOR DETECTING DEPRESSION USING VOICE BIOMARKERS

(51) International classification :G16H0040670000, G10L0015060000, A61B0003000000, G16H0080000000, G16H0010600000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No :NA

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

(62) Divisional to Application Number :NA
Filing Date :NA

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2)Dr. Masood Siddiqui
3)Dr. Deepak Singh
4)Dr. Vipin Khatri
5)Dr. Rajit Nair
6)Roshan Jahan
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6)Roshan Jahan
Address of Applicant :Integral University, Lucknow, Uttar Pradesh-226026, India Lucknow -----

(57) Abstract :

The present invention generally relates to a system for detecting depression using voice biomarkers comprises a training processor for training a natural language processing (NLP) model and an acoustic model on a set of features of a plurality of speech samples extracted by deploying an audio feature extractor; a healthcare application platform for conducting a live telehealth session between the subject and recording speech data from the subject; a central processor for generating an acoustic report and an NLP report upon processing the speech data with the acoustic model and the NLP model thereby fusing the acoustic report and the NLP report to generate a metric that is indicative of whether the subject has or is likely to have the behavioral or mental health condition; and a display device for displaying the metric on a graphical user interface, wherein the metric is displayed during the live telehealth session.

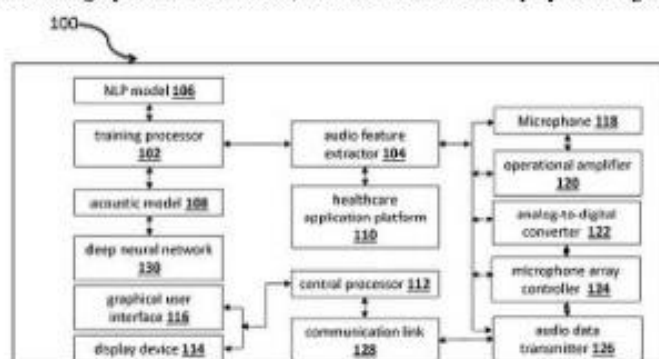


Figure 1

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311003914 A

(19) INDIA

(22) Date of filing of Application :20/01/2023

(43) Publication Date : 27/01/2023

(54) Title of the invention : OPTIONAL K-PHASE VACATION FOR MX/G/1 QUEUE WITH BULK ARRIVAL AND STATE-DEPENDENT RATES

(51) International classification :G06Q0010100000, C08L0023080000, H04L0001000000, G06Q0020400000, C12M0003000000 (86) International Application No :NA Filing Date :NA (87) International Publication No :NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	(71)Name of Applicant : 1)Integral University Address of Applicant :Integral University, kursi Road, Lucknow, U.P. India Lucknow ----- 2)Anand Engineering College Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Dr. Seema Agarwal Address of Applicant :Department of Mathematics, SRM Institute of Science and Technology, Delhi-NCR Campus, Ghaziabad, India. Ghaziabad ----- 2)Dr. R. K. Dcolia Address of Applicant :Department of Applied Science (Mathematics), G.L. Bajaj Group of Institutions, Mathura, India Mathura ----- 3)Dr. Mohammad Asim Address of Applicant :Department of Electrical Engineering, Integral University, Lucknow India. Lucknow ----- 4)Dr. S.K. Bhardwaj Address of Applicant :Department of Engineering Mathematics & Computing, Madhav Institute of Technology and Science (MITS), Gwalior, India. Gwalior ----- 5)Dr. Manish Baboo Agarwal Address of Applicant :Department of Applied Sciences, Anand Engineering College, Agra, India Agra ----- 6)Dr. Shahjad ALi Address of Applicant :Department of Applied Sciences, Anand Engineering College, Agra, India Agra ----- 7)Dr. Manish Kumar Pandey Address of Applicant :Department of Applied Sciences, Anand Engineering College, Agra, India Agra ----- 8)Dr. Manu Mehrotra Address of Applicant :Department of Applied Sciences, Anand Engineering College, Agra, India Agra -----
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(57) Abstract :

In this investigation, a non-Markovian batch arrival queue with a single-server and multi-phases vacation has been studied. The multi-phase vacation means that after the first phase of regular vacation, the server may take optional K-vacations. We construct Chapman Kolmogorov equations with the help of the supplementary variable technique. For analysis purpose, generating function method is employed. Various performance characteristics and special cases are established. The numerical results and sensitivity analysis have been facilitated to validate the analytical results.

No. of Pages : 10 No. of Claims : 5



202311004587 Published Syed Haidar Abbas, Faiyaz Ahmad

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311004587 A

(19) INDIA

(22) Date of filing of Application :24/01/2023

(43) Publication Date : 03/02/2023

(54) Title of the invention : AN INTELLIGENT HYBRID MODEL FOR BREAST CANCER DETECTION

(51) International classification :G06N0020000000, H04L0041160000, G06N0003080000, G06N0005000000, G06K0009620000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

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

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

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Address of Applicant :Integral University, Kursi Road, Lucknow India 226026 Lucknow -----

(57) Abstract :

Machine Learning based approach to Predict the Political Determinants of Economic Exchanges in India is the proposed invention. The proposed invention focuses on analyzing the political determinants and their impact on economic exchanges. The invention will utilize the algorithms of machine learning for the purpose of prediction.

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311012305 A

(19) INDIA

(22) Date of filing of Application :23/02/2023

(43) Publication Date : 17/03/2023

(54) Title of the invention : DESIGN OF TRANSFORMERLESS INVERTER TOPOLOGY FOR REDUCTION OF COMMON MODE CURRENT IN GRID-CONNECTED PV SYSTEM

		(71)Name of Applicant : 1)Integral University Address of Applicant :Kursi Road, Lucknow Lucknow ----- -----
(51) International classification	:H02J 033800, H02M 011200, H02M 074800, H02M 074870, H02M 075387	Name of Applicant : NA Address of Applicant : NA
(86) International Application No	:NA	(72)Name of Inventor : 1)Mohd Imran Siddiqui Address of Applicant :Department of Electrical Engineering, Jahangirabad Institute of Technology, Barabanki, U.P., India Barabanki -----
Filing Date	:NA	2)Dr. Mohammed Asim Address of Applicant :Electrical Engineering Department, Integral University, Lucknow, India Lucknow -----
(87) International Publication No	:NA	3)Md Aftab Alam Address of Applicant :Department of Electronics and Communication Engineering, Lingaya's Vidyapeeth, Faridabad, Haryana, India. Faridabad -----
(61) Patent of Addition to Application Number	:NA	4)Dr. S.V.A.V. Prasad Address of Applicant :Department of Electronics and Communication Engineering, Lingaya's Vidyapeeth, Faridabad, Haryana, India Faridabad -----
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An inverter topology has been designed by modifying the conventional H-bridge to reduce the common mode current (CMC) occurring in a grid connected PV system. The common mode current, if not suppressed, not only causes maloperation of protective system thereby posing safety hazards but also causes electromagnetic interference, slow deterioration of PV panel and introduces harmonics into the supply. The method adopted in this topology is the decoupling of ac and dc sides along with clamping of one of the bridge leg voltages to mid-point of the dc link voltage. Both of the methods are activated during the freewheeling/zero state of the H-bridge inverter through two additional switches and a diode. The variation of common mode voltage is thus checked leading to reduction in common mode current while other performance parameters like efficiency and total harmonic distortion (THD) are not much affected.

No. of Pages : 11 No. of Claims : 4



(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311018534 A

(19) INDIA

(22) Date of filing of Application :18/03/2023

(43) Publication Date : 12/05/2023

(54) Title of the invention : Active-Neutral-Point-Clamped (ANPC) based 7-level switched-capacitor multilevel inverter (SC-MLI) with reduced magnitude of spikes in source current

(51) International classification :G11C 115600, H02M 010000, H02M 030700, H02M 074830, H02M 074870
(86) International Application No :PCT//
Filing Date :01/01/1900
(87) International Publication No : NA
(61) Patent of Addition to Application Number : NA
Filing Date : NA
(62) Divisional to Application Number : NA
Filing Date : NA

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(57) Abstract :

Various 7-level switched-capacitor (SC) based converters are reported in literature which furnish the voltage gain of 1.5. However, these topologies require switches having high value of voltage stresses and switch count is more. Further, the charging and discharging action of the switched capacitors, lead to production of spikes having large magnitude in source current and charging currents supplied to switched-capacitors. Due to this limitation, the SC based Multilevel Inverter (SC-MLI) cannot be used for high power applications. To fill these gaps, an Active-Neutral-Point-Clamped (ANPC) based SC-MLI converter topology is proposed in this research which require switches having less value of voltage stresses and the switch count of the proposed converter is less. Further, to reduce the magnitude of spikes in source and charging currents of switched-capacitors capacitors, a soft switching circuit is included in the proposed converter. The soft charging circuit includes an inductor and a diode in the charging path of the proposed converter which ensures soft charging of the switched-capacitors. The proposed converter is able to significantly suppress the spikes appearing in the source current by including a small value of inductance connected in the soft charging circuit. The proposed topology requires single dc source, 2switched-capacitors, 9 switches to generate 7-level and does not require auxiliary diode. The absence of auxiliary diode leads to further reduction in losses. The proposed topology is able to maintain self-balancing of the capacitor voltage even at low value of modulation index. To highlight the various key features of the proposed 7-level topology, its comparison with state-of-the-art converter topologies is carried out. To validate the efficacy of the proposed 7-level SC-MLI, experimental results are included which are captured using a laboratory prototype for different values of soft charging inductor.

No. of Pages : 36 No. of Claims : 8



(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311019353 A

(19) INDIA

(22) Date of filing of Application :21/03/2023

(43) Publication Date : 12/05/2023

(54) Title of the invention : A Novel Triple Boost Switched Capacitor Multilevel Inverter (TB-SCMLI) with Lesser Components and Self Voltage Balance

(51) International classification :H02M 010000, H02M 010880, H02M 074830, H02M 074870, H03H 190000
(86) International Application No :PCT//
Filing Date :01/01/1900
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

Multi-level inverter (MLIs) designs with Switched-Capacitor (SC) are on the rise due to their applicability in sustainable energy systems and high voltage applications. In this light, this research presents a compact Triple-Boost switched-capacitor multilevel inverter (TB-SCMLI) topology with fewer switches and the ability to self-balance. The suggested TB-SCMLI is able to provide seven levels of output voltage by balancing the voltage of two capacitors with the given control logic. The various SCMLIs are evaluated to determine the contribution of the suggested TB-SCMLI topology's merits and downsides. To validate the performance of the proposed TB-SCMLI, comprehensive experimental findings under various laboratory test settings have been given

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



202311025404 Published Dr. Isarar Ahamad

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311025404 A

(19) INDIA

(22) Date of filing of Application :04/04/2023

(43) Publication Date : 19/05/2023

(54) Title of the invention : Magnetic anisotropy in the ferromagnetic Mn and N doped ZnO Nanocrystals

(51) International classification :B82Y 300000, C30B 296000, G11C 111600, H01F 103200, H01L 431000
(86) International Application No :PCT//
Filing Date :01/01/1900
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

Recently ZnO has drawn attention of many researchers due to its high potential uses in the field of solar cell, UV-laser diode, LED, sensors, UV-blue light emitters, etc.. Spintronics, namely spin-based electronics, is a new generation of microelectronics, which utilizes both, charge and spin degrees of freedom of carriers. Half-metals and diluted magnetic semiconductors (DMSs) are expected to be promising materials for spin-based multifunctional devices. In half-metals, the conduction electrons at the Fermi energy (EF) are 100% spin polarized. Unique spin dependence optical and electrical properties are generated in ZnO doped with transition metal ions, are due to the strong exchange interactions between external s-p carriers of host and localized d electrons of dopant. Therefore an effort was made in developing thin films of codoped (Mn N) in ZnO to study the ferromagnetism at room temperature by experimental and theoretical study.

No. of Pages : 10 No. of Claims : 4

202311029273 Published Dr. Poonam Sharma Lagenaria siceraria based low-fat functional mayonnaise 5/26/2023

https://ipsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus

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Department for Promotion of Industry and Internal Trade
Ministry of Commerce & Industry,
Government of India

INTELLECTUAL
PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

Application Details	
APPLICATION NUMBER	202311029273
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	22/04/2023
APPLICANT NAME	Dr. Poonam Sharma
TITLE OF INVENTION	LAGENARIA SICERARIA BASED LOW-FAT FUNCTIONAL MAYONNAISE
FIELD OF INVENTION	FOOD
E-MAIL (As Per Record)	info@lexgin.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	09/06/2023
PUBLICATION DATE (U/S 11A)	26/05/2023
FIRST EXAMINATION REPORT DATE	14/12/2023
Date Of Certificate Issue	23/09/2024
POST GRANT JOURNAL DATE	27/09/2024
REPLY TO FER DATE	10/04/2024



(12) PATENT APPLICATION PUBLICATION

(21) Application No.202111035684 A

(19) INDIA

(22) Date of filing of Application :06/08/2021

(43) Publication Date : 02/06/2023

(54) Title of the invention : LOW COST MICRO CRACK MEASURING INSTRUMENT FOR DETECTION OF FAULTS ON SITE IN SOLAR PANELS

(51) International classification	:H02S0050100000, G01N0021880000, H02S0050000000, G01N0027900000, H02J0013000000	(71)Name of Applicant : 1)Mrs. Tarana Afrin Chandel Address of Applicant :Associate Professor, ECE Integral University, Post: Basha, Dasauli, Kursi Road Lucknow Pin- 226026 Uttar Pradesh, India Uttar Pradesh Uttar Pradesh India 2)Dr. Mohammed Arifuddin Mallick
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Mrs. Tarana Afrin Chandel
(33) Name of priority country	:NA	2)Dr. Mohammed Arifuddin Mallick
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to an apparatus for detection of faults in solar panels. In one embodiment, the apparatus is capable of measuring micro crack or detecting a fault of a solar panels in an economic way before the panels become ineffective in the energy generation process. The invention detects the failure of a solar panels by using a monochromatic light source to measure the defects of the current detection method as compare to existing system used which are complicated and costly, and the system are huge and inconvenient to install on site and maintain.

No. of Pages : 12 No. of Claims : 10



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Department for Promotion of Industry and Internal Trade
Ministry of Commerce & Industry,
Government of India

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



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

Application Details	
APPLICATION NUMBER	202311039956
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	12/06/2023
APPLICANT NAME	Integral University
TITLE OF INVENTION	A MACHINE LEARNING BASED APPROACH FOR THE DETECTION OF NEUROLOGICAL DISORDERS
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
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E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	12/06/2023
PUBLICATION DATE (U/S 11A)	07/07/2023



202311037711 Published Mohammed Asim

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311037711 A

(19) INDIA

(22) Date of filing of Application :01/06/2023

(43) Publication Date : 14/07/2023

(54) Title of the invention : HIGH GAIN, LOW POWER TRIPLE CASCODE OPERATIONAL TRANSCONDUCTANCE AMPLIFIER USING CARBON NANOTUBE FIELD EFFECT TRANSISTOR

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(51) International classification	:B82Y 100000, H01J 090200, H01L 510000, H01L 510500, H03F 034500	
(56) International Application No	:NA	
Filing Date	:NA	
(57) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An analog signal processing device is needed in the circuit for the acquisition and initial processing of a physiological signal from the human body, such as an ECG/EKG, EEG, EMG, or EOG for further digital signal processing. An operational transconductance amplifier (OTA) has some advanced features over an operational amplifier (OP-AMP), including a wider bandwidth, a superior dynamic range, a greater output resistance, a wider bandwidth, and no additional phase issues. They can also be used for circuits with capacitive loads. An OTA is helpful for many electrical systems, including filters, oscillators, comparators, and analog-to-digital converters, thanks to its adaptability. A novel High Gain, Low Power Triple Cascode Operational Transconductance Amplifier (TCOTA) based on Carbon Nanotube Field Effect Transistor is shown. A CNTFET's channel is constructed by a parallel combination of SWCNTs, just like a conventional MOSFET. The benefits of CNTFETs include one-dimensional ballistic charge carrier movement, high mobility, high driving current, and minimal power consumption. A CNTFET's channel is constructed by a parallel combination of SWCNTs, just like a conventional MOSFET. The benefits of CNTFETs include one-dimensional ballistic charge carrier movement, high mobility, high driving current, and minimal power consumption. Furthermore, a simulation analysis demonstrates that the voltage gain and average power achieved are 70.69 dB and 9.2 μ W, respectively at 32 nm technology node.

No. of Pages : 11 No. of Claims : 8



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Application Details

APPLICATION NUMBER	202311047760
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	15/07/2023
APPLICANT NAME	Integral University
TITLE OF INVENTION	SAHMT: IOT AND DEEP LEARNING BASED NON-INVASIVE ZOO ANIMAL HEALTHCARE TUNNEL MODEL
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	iprmc@iul.ac.in
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E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	15/07/2023
PUBLICATION DATE (U/S 11A)	11/08/2023

Application Status



202311056649 Published Dr. Isarar Ahamad

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311056649 A

(19) INDIA

(22) Date of filing of Application :24/08/2023

(43) Publication Date : 22/09/2023

(54) Title of the invention : AUTO CLEANING STORM WATER HARVESTER

(51) International classification :E02D0019100000, C02F0001440000, C02F0003320000, C06F0016182000, E02D0003100000 (86) International Application No :NA Filing Date :NA (87) International Publication No : NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	(71)Name of Applicant : 1)DEEPAK JUNEJA Address of Applicant :1330/6 ----- 2)Dr. Mohammad Junaid Khan 3)Dr. Ritesh Kumar Kushwaha 4)Dr. Rajeer Ranjan 5)Dr. Rajanish Kumar Kaushal 6)Dr. Meenakshi 7)Dr. Isarar Ahamad 8)Dr. Mandeep Kaur Ghuman Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)DEEPAK JUNEJA Address of Applicant :1330/6 ----- 2)Dr. Mohammad Junaid Khan Address of Applicant :Assistant Professor, Address: Electrical and Electronics Department, Mewat Engineering College (Waqf), Nuh, Haryana-122107 Phone: 9569365512 Email: mohammad.khan444@gmail.com nuh ----- 3)Dr. Ritesh Kumar Kushwaha Address of Applicant :Assistant Professor, Department of ECE, Chandigarh University Dist : Mohali State: Punjab Mobile No: +91-9893005242 Email: riteshkushwaha04@gmail.com mohali ----- 4)Dr. Rajeer Ranjan Address of Applicant :Assistant Professor, Department of ECE, Chandigarh University Dist : Mohali State: Punjab Mobile No: +91-7827480988 Email: rajeervranjan1134@gmail.com mohali ----- 5)Dr. Rajanish Kumar Kaushal Address of Applicant :Assistant Professor, Department of Electrical Engineering, Chandigarh University, Ghanuan, Mohali, Punjab -140413, India Email: rajanish.nitham@gmail.com Mobile Number: 8699955812 mohali ----- 6)Dr. Meenakshi Address of Applicant :Assistant Professor, Address- H no 277, PUDA Enclave-1, Near mini secretariat Patiala, PIN 147001 Phone no: 09034303675 Email- meenakshi6150008@gmail.com mohali ----- 7)Dr. Isarar Ahamad Address of Applicant :Assistant Professor, Address- Department of Electrical Engineering, Integral University, Dasauli, Lucknow, Email id- isarar.iul@gmail.com lucknow ----- 8)Dr. Mandeep Kaur Ghuman Address of Applicant :Associate Professor, W/O Navtej Singh Ghuman 21/1 Skylark Enclave, sector 115 Khurur, Mohali Mobile No: 9463926474 Email: mandeep.e10105@gmail.in mohali -----
---	---

(57) Abstract :

The present invention discloses a system (100) for water harvesting. The system (100) comprises a de slit chamber (105) connected with a concrete channel (145) and a plurality of PVC pipes (110 A), a harvesting unit (140) allow discharge of water and a reverse well point (130 A) (130 B) with a dispersal means (150 A) (150 B) wrapped with a geo-textile material preventing migration of soil materials. There is a kaval (160) at the top of reverse well point 130B. The dust struck on geotextile of 130 B falls down automatically.

No. of Pages : 21 No. of Claims : 9

202311058052 Granted Mohh Haris. Mohammed Asim

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पेटेंट कार्यालय, भारत सरकार पेटेंट प्रमाण पत्र पेटेंट निष्ठावली का निष्ठा (4)		The Patent Office, Government Of India Patent Certificate (Rule 74 of The Patents Rules)			
पेटेंट सं. / Patent No. : 586421					
आवेदन सं. / Application No. : 202311058052					
फाइल करने की तारीख / Date of Filing : 30/08/2023					
पेटेंटी / Patentee : 1.Integral University 2.Aligarh Muslim University					
प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में वयाप्रकरित MULTIPLE OUTPUT DC/DC CONVERTER WITH HIGH VOLTAGE GAINS IN ARITHMETIC PROGRESSION नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख अगस्त 2023 के तीसरे दिन 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 MULTIPLE OUTPUT DC/DC CONVERTER WITH HIGH VOLTAGE GAINS IN ARITHMETIC PROGRESSION as disclosed in the above mentioned application for the term of 20 years from the 30th day of August 2023 in accordance with the provisions of the Patents Act, 1970.					
					
अनुदान की तारीख / Date of Grant : 07/04/2026		उपाध्यक्ष, पेटेंट नियंत्रण Controller of Patents			
टिप्पणी - इस पेटेंट के नवीकरण के लिए जैसा, यदि इस बनाए रखने के लिए उदाहरण प्रत्येक वर्ष में उसी दिन के साथ। Note. - The fees for renewal of this patent, if it is to be maintained, will fall / has fallen due on 30th day of August 2025 and on the same day in every year thereafter.					



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Application Details

APPLICATION NUMBER	202341060087
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	07/09/2023
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TITLE OF INVENTION	IMAGE PROCESSING TECHNIQUES INTEGRATED WITH MACHINE LEARNING APPROACHES FOR ANALYZING AND ESTIMATING SOIL MOISTURE USING SATELLITE-CAPTURED IMAGES
FIELD OF INVENTION	COMPUTER SCIENCE
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E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	06/10/2023



202341064023 Published Dr. Mohd Khursheed Innovative iot enabled advanced traffic management system 10/6/2023

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Application Details

APPLICATION NUMBER	202341064023
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	23/09/2023
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TITLE OF INVENTION	INNOVATIVE IOT ENABLED ADVANCED TRAFFIC MANAGEMENT SYSTEM
FIELD OF INVENTION	ELECTRONICS
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PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	06/10/2023

Application Status

<https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/View/ApplicationStatus>

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Application Details

APPLICATION NUMBER	202341062061
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	15/09/2023
APPLICANT NAME	1 . Dr. Samanasa Krishna Rao 2 . Mohd Kashif Khan 3 . Dr. Nisha Thakur 4 . Yogesh Ravindra Suryavanshi 5 . M. Vadivel 6 . Mr. Swapnil Balkrishna Gorade 7 . Dr. D. Vijaya Kumar 8 . Sai Nikhith Ragi
TITLE OF INVENTION	DEVELOPMENT OF STRENGTHENING TECHNIQUES FOR REINFORCED CONCRETE COLUMNS WITH FRP
FIELD OF INVENTION	CIVIL
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E-MAIL (UPDATED Online)	
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REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	06/10/2023



(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341063717 A

(19) INDIA

(22) Date of filing of Application :22/09/2023

(43) Publication Date : 06/10/2023

(54) Title of the invention : ADVANCED OPTIMIZATION MODEL FOR COUPLING POWER PLANT TO PV-WIND-ELECTRIC VEHICLES

(21) International classification : H02J0003380000, G06Q0050060000, G06Q0010060000,
G05Q0010040000, H02J0003320000
(65) International Application No : NA
Filing Date : NA
(67) 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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7) Raja F.
8) Aranganathan K J
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10) R. Prasanna
Address of Applicant : Technical Engineer, Cloud Campus, 1st Floor, K.R. Ahmed Sha Office Complex, No.25, Radhakrishnan Salai, Mylapore, Chennai- 600 004, Tamil Nadu, India.

(57) Abstract :
ABSTRACT: An advanced optimization model for coupling a power plant to PV-wind-electric vehicle is described herein. The proposed advanced optimization model is designed while taking into account the cost of the purchased energy is sold to the utility grid, while the power exchange is maintained between the power grid and the system's other components. The results show that the suggested system's LCOE and TSP are 0.038 \$/kWh and 0.19%, with a renewable proportion of 0.87, respectively. It is determined that careful management of renewable power generation and load demands can result in a cost-effective and reliable system. The working principle of proposed advanced optimization model is grounded in real-time data analysis and mathematical optimization to intelligently manage the coupling of a power plant with PV, wind, and EV systems. Its ability to adapt to changing conditions and optimize multiple objectives is a critical component in the transition to a sustainable and efficient energy use system. FIG. 1

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



(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311063419 A

(19) INDIA

(22) Date of filing of Application :21/09/2023

(43) Publication Date : 13/10/2023

(54) Title of the invention : EFFICIENT, ULTRA LOW POWER INSTRUMENTATION AMPLIFIER BASED ON CARBON NANOTUBE FIELD EFFECT TRANSISTORS

(51) International classification : H03F0003450000, A61B0005000000, A61B0005369000, A61B0005398000, A61B0005300000 (86) International Application No : NA Filing Date : NA (87) International Publication No : NA (61) Patent of Addition to Application Number : NA Filing Date : NA (62) Divisional to Application Number : NA Filing Date : NA	(71) Name of Applicant : 1) Integral University Address of Applicant : Kursi Road, Dasulli Lucknow ----- -- Name of Applicant : NA Address of Applicant : NA (72) Name of Inventor : 1) Ms. Mir Bintul Islam Address of Applicant : Department of Electronics and Communication Engineering, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi 110025 Lucknow ----- 2) Prof. M Nizamuddin Address of Applicant : Department of Electronics and Communication Engineering, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi 110025 New Delhi ----- 3) Dr. Mohammed Asim Address of Applicant : Department of Electrical Engineering, Integral University, Lucknow 226026 Lucknow ----- 4) Mr. Faraz Hashmi Address of Applicant : Department of Electronics and Communication Engineering, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi 110025 New Delhi ----- 5) Ambreen Siddiqui Address of Applicant : Department of Electrical Engineering, Integral University, Lucknow 226026 Lucknow -----
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(57) Abstract :

Instrumentation amplifiers (IA) are found in a wide range of circuit applications. Because of their capacity to minimize noise and have a high open loop gain, they are useful in circuit design. Instrumentation amplifier finds its application in biomedical systems to correctly monitor bio potential signals, such as Electroencephalogram (EEG), Electrooculogram (EOG), Electrocardiogram (ECG), and Electromyogram (EMG) which are low frequency signals and more susceptible to noise. Since instrumentation amplifiers are more resistant to noise removal owing to high CMRR, they are an appropriate choice. Operational amplifiers on the other hand, are an essential component in the current integrated systems. Because single-stage cascode or telescoping amplifiers are no longer suited for low-voltage applications due to the fast scaling down of transistor sizes and supply voltages in contemporary CMOS technologies, multistage amplifiers are becoming increasingly important. An instrumentation amplifier is useful because it can minimize undesired noise picked up by the circuit. The capacity of all IC pins to reject noise or undesirable signals is referred to as the common-mode rejection ratio (CMRR). Because of their high CMRR, instrumentation amplifiers are quite handy. Other features, such as high open loop gain, low power consumption make this IC extremely useful in circuit design. A novel High Gain, Ultra Low Power Instrumentation Amplifier is proposed using Carbon Nanotube Field Effect Transistor which reduces power line interferences and provide large CMRR and more gain. CNTFETs typically exhibit lower power consumption compared to traditional CMOS technology, making them suitable for low-power applications. CNTFETs can have lower sensitivity to temperature changes compared to conventional transistors, which can contribute to more stable amplifier performance. The simulation study shows that the voltage gain and average power achieved by CNTFET- based instrumentation amplifier is 81.08 dB and 1.24W, respectively.

No. of Pages : 12 No. of Claims : 6



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Application Details

APPLICATION NUMBER	202311063739
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	22/09/2023
APPLICANT NAME	1 . Dr. Mohd Faizan Hasan 2 . Veernapu Sudheer Kumar 3 . Raju Bura 4 . Dr. Prem Kumar Bharti 5 . Shallandra Kumar Prasad 6 . Mrs. Klrnmayee Jampala 7 . Er. Abhijeet Maurya 8 . Dr. Jyoti Prasad Patra 9 . Dr.A.Sasi Kumar 10 . Dr.Vishal Ratansing Patil 11 . Ajay Senu Mahajan 12 . Dr. Vipin Y. Borole
TITLE OF INVENTION	DEEP LEARNING BASED APPROACH TO PREDICT FUEL CONSUMPTION AND MAINTENANCE COST OF HEAVY-DUTY VEHICLES WHILE USING DIESEL AND ALTERNATIVE FUELS
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	patentpointservices@gmail.com
ADDITIONAL-EMAIL (As Per Record)	patentpointservices@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	—
PUBLICATION DATE (U/S 11A)	13/10/2023



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Application Details

APPLICATION NUMBER	202311061483
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	13/09/2023
APPLICANT NAME	Integral University
TITLE OF INVENTION	GRAPHENE NANORIBBON FIELD EFFECT TRANSISTOR BASED OPERATIONAL TRANSDUCANCE AMPLIFIER WITH HIGH SLEW RATE FOR BIO-SIGNAL
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	isarar@iul.ac.in
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E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	13/09/2023
PUBLICATION DATE (U/S 11A)	13/10/2023

Application Status

APPLICATION STATUS	Application Awaiting Examination
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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311067294 A

(19) INDIA

(22) Date of filing of Application :07/10/2023

(43) Publication Date : 27/10/2023

(54) Title of the invention : OPAM- OPTIMAL PARKING ALLOCATION MODEL

(51) International classification :G08G0001140000, G06Q0010060000, G06Q0010040000, G06Q0010020000, G06Q0030020000

(86) International Application No : NA
Filing Date : NA

(87) International Publication No : NA

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

(62) Divisional to Application Number : NA
Filing Date : NA

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(57) Abstract :

Urban parking, particularly in bustling Market Areas, has emerged as a persistent challenge in transportation systems over the past decades. The scarcity of parking spaces compels drivers to spend excessive time searching for available spots, resulting in congestion and energy wastage. This patent introduces an innovative optimal parking allocation model poised to revolutionize urban mobility and parking management. Tailored to densely populated urban areas with soaring parking demand, this model addresses critical concerns, including traffic congestion, environmental sustainability, economic efficiency, and user satisfaction, heralding a new era of parking space optimization. At its core, this model is a data-driven system seamlessly integrating real-time data collection and allocation algorithms. Continuous real-time parking data acquisition through cameras provides insights into space occupancy, user reservations, and traffic conditions. Utilizing historical data, the model effectively discerns parking space preferences. Central to this innovation is the allocation algorithm, purpose-built for real-time online interaction. It responds dynamically to incoming data and user interactions, ensuring efficient space allocation and a seamless user experience. Weather conditions, historical data, and collaboration with key stakeholders, including government bodies, urban planners, private parking operators, and technology providers, are also factored into the model. We propose model to allocate the optimal parking, considering real-time parking availability, fees, and user preferences. YOLO coding is employed to assess parking space availability using real-time video from parking lots. In summary, the optimal parking allocation model represents a pioneering solution to the multifaceted challenges of urban mobility and parking allocation. Its data-centric approach, user-friendly design, and adaptability position it as a transformative technology capable of enhancing efficiency, sustainability, and user satisfaction in urban environments. With the potential to alleviate congestion, enhance environmental sustainability, and elevate user experiences, this invention holds great promise for the cities of the future.

No. of Pages : 21 No. of Claims : 6



202311073506 Published Monauwer Alam, Mohammed Asim, Asif Jameel Ansari

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311073506 A

(19) INDIA

(22) Date of filing of Application :28/10/2023

(43) Publication Date : 24/11/2023

(54) Title of the invention : ERRONEOUS ENERGY READING DETECTOR FOR SMART ENERGY METER

(51) International classification : G01D0004000000, G06T0007110000, G01R0011040000, H05K0001020000, G06Q0040020000
(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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3)Dr. Mohammed Asim

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Integral University, Lucknow-226026 Lucknow -----

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4)Dr. Asif Jameel Ansari

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Integral University, Lucknow-226026 Lucknow -----

-

(57) Abstract :

The image captured by camera of Energy reading of a Smart Energy meter can be used to process that image to read the digits of Smart Energy meter. The creation of a reliable Smart Energy meter system that takes into account the change in electric meter reading is the main aim. The camera is installed at the front of Smart Energy meter which captures its image every 24 hours. The captured image segmentation is the technique that is used to cut off the area of an image that contains the Smart Energy meter reading. Character recognition is accomplished by the use of the process of character recognition. The data that was obtained is then compared every 3rd day. If it is seen that after 72 hours, the meter reading does not change or recedes back, then we can say the meter is a faulty one. The innovative system was constructed, and then its performance was evaluated with the use of images taken in the real world. The experiment reveals that the created system correctly recognises and identifies the error.

No. of Pages : 13 No. of Claims : 4



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Application Details

APPLICATION NUMBER	202311072046
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	21/10/2023
APPLICANT NAME	Integral University
TITLE OF INVENTION	TWO STAGE CULTIVATION OF MICROALGAE FOR SUSTAINABLE BIOFUEL PRODUCTION
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	iprmc@iul.ac.in
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	21/10/2023
PUBLICATION DATE (U/S 11A)	24/11/2023

Application Status

APPLICATION STATUS	Application Awaiting Examination
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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311073506 A

(19) INDIA

(22) Date of filing of Application :28/10/2023

(43) Publication Date : 24/11/2023

(54) Title of the invention : ERRONEOUS ENERGY READING DETECTOR FOR SMART ENERGY METER

(51) International classification : G01D0004000000, G06T0007110000, G01R0011040000, H05K0001020000, G06Q0040020000 (86) International Application No : NA Filing Date : NA (87) International Publication No : NA (61) Patent of Addition to Application Number : NA Filing Date : NA (62) Divisional to Application Number : NA Filing Date : NA	(71)Name of Applicant : 1)Integral University Address of Applicant :Kursi Road, Dasulli, Lucknow Lucknow ----- Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Dr. Monauwer Alam Address of Applicant :Department of Electrical Engineering, Integral University, Lucknow-226026 Lucknow ----- 2)Dr. Rafeeq Ahmed Address of Applicant :Dept of Computer Science and Engineering, Koneru Lakshmaiah Education Foundation, Vaddeswaram, Guntur, Andhra Pradesh-522502 Vaddeswaram --- 3)Dr. Mohammed Asim Address of Applicant :Department of Electrical Engineering, Integral University, Lucknow-226026 Lucknow ----- 4)Dr. Asif Jameel Ansari Address of Applicant :Department of Electrical Engineering, Integral University, Lucknow-226026 Lucknow -----
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(57) Abstract :

The image captured by camera of Energy reading of a Smart Energy meter can be used to process that image to read the digits of Smart Energy meter. The creation of a reliable Smart Energy meter system that takes into account the change in electric meter reading is the main aim. The camera is installed at the front of Smart Energy meter which captures its image every 24 hours. The captured image segmentation is the technique that is used to cut off the area of an image that contains the Smart Energy meter reading. Character recognition is accomplished by the use of the process of character recognition. The data that was obtained is then compared every 3rd day. If it is seen that after 72 hours, the meter reading does not change or recedes back, then we can say the meter is a faulty one. The innovative system was constructed, and then its performance was evaluated with the use of images taken in the real world. The experiment reveals that the created system correctly recognises and identifies the error.

No. of Pages : 13 No. of Claims : 4



202311072045 Published Shahid Afreen

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311072045 A

(19) INDIA

(22) Date of filing of Application :21/10/2023

(43) Publication Date : 24/11/2023

(54) Title of the invention : A NOVEL BACTERIUM CONSORTIUM FOR EFFECTIVE LEAD BIOREMEDIATION

(51) International classification :C12N 1/20, C12Q 1/04,
C12R 1/07
(86) International Application No :NA
Filing Date :NA
(87) International Publication No :NA
(61) Patent of Addition to Application
Number :NA
Filing Date :NA
(62) Divisional to Application
Number :NA
Filing Date :NA

(71)Name of Applicant :

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(57) Abstract :

The present invention pertains to the domain of microbial solutions for the removal of heavy metals, specifically targeting lead (Pb). It specifically focuses on the bacteria strain *Paenibacillus dendritiformis* (ACCSSION NO. OP835923) with high lead sequestration potential. Moreover, the efficiency of bioremediation is significantly enhanced through exposure to ultraviolet (UV) radiation. Lastly, a novel consortium of UV-treated *Stenotrophomonas maltophilia* and *Paenibacillus dendritiformis* is engineered to efficiently address lead contamination.

No. of Pages : 17 No. of Claims : 5



(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311073759 A

(19) INDIA

(22) Date of filing of Application :30/10/2023

(43) Publication Date : 24/11/2023

(54) Title of the invention : DESIGN AND DEVELOP A DEVICE THAT PREDICTS THE JOB PERFORMANCE OF EMPLOYEES BASED ON EMOTIONAL INTELLIGENCE

		(71)Name of Applicant : 1)Dr. Dhyani Chandra Yadav Address of Applicant :Assistant Professor, Department of Computer Science & Engineering, MSOCT, Maharishi University of Information Technology, Lucknow Uttar Pradesh, India-226013 ----- 2)Mr. Saurabh Bhutani 3)Dr. Aisha Kamal 4)Ms. Anum Kamal 5)Ms. Shalvi Bains 6)Dr. Mohammad Arif 7)Mr. Sanjeev Kumar Singh Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Dr. Dhyani Chandra Yadav Address of Applicant :Assistant Professor, Department of Computer Science & Engineering, MSOCT, Maharishi University of Information Technology, Lucknow Uttar Pradesh, India-226013 ----- 2)Mr. Saurabh Bhutani Address of Applicant :Assistant Professor, Department of Electronics and Communication Engineering, Babu Banarasi Das Northern India Institute of Technology, Lucknow, Uttar Pradesh, India, 226028 ----- 3)Dr. Aisha Kamal Address of Applicant :Professor, Department of Bioengineering, Integral University, Lucknow, Uttar Pradesh, India-226026 ----- 4)Ms. Anum Kamal Address of Applicant :Assistant Professor, Department of computer science and engineering, Integral University, Lucknow -226026 ----- 5)Ms. Shalvi Bains Address of Applicant :Assistant Professor, Department of BCA, IIMT College of management, Greater Noida, Uttar Pradesh, India, 201310 ----- 6)Dr. Mohammad Arif Address of Applicant :Associate Professor, School of Computer Science and Engineering, Vellore Institute of Technology, Vellore- 632014 ----- 7)Mr. Sanjeev Kumar Singh Address of Applicant :Assistant Professor, I.I.M.T College Of Management, Gr. Noida, Uttar Pradesh, India, 201310 -----
(51) International classification	G06N9020000000, G06Q0010060000, G06Q0010100000, G06Q0030020000, G16H6010600000	
(86) International Application No	NA	
Filing Date	NA	
(87) International Publication No	NA	
(61) Patent of Addition to Application Number	NA	
Filing Date	NA	
(62) Divisional to Application Number	NA	
Filing Date	NA	

(57) Abstract :

ABSTRACT The present invention relates to a device (100) for predicting job performance based on emotional intelligence. The device (100) for predicting job performance comprises a questionnaire module, a data collection module, an advanced data analytics module, a demographic integration module, a predictive model module, a machine learning module, a decision support module and a customization module. The device (100) is configured to investigate the relationship among emotional intelligence, emotional labor, perceived organizational support, and job performance. The device (100) is configured to improve the sense of organizational support should also receive the organization's attention. The device (100) ensure the questionnaire is comprehensive and aligned with contemporary understanding and research on emotional intelligence. The device (100) configured to create a survey that comprehensively assesses key aspects of emotional intelligence, including self-awareness, self-regulation, motivation, empathy, and social skills, tailored to the specific requirements of different job roles.

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



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Application Details

APPLICATION NUMBER	202341041297
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	17/06/2023
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TITLE OF INVENTION	SYSTEMATIC APPROACH TO UNLOCK THE FULL POTENTIAL OF PEROVSKITE SOLAR CELL TECHNOLOGY THROUGH MACHINE LEARNING
FIELD OF INVENTION	ELECTRONICS
E-MAIL (As Per Record)	vaagaiip@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	—
PUBLICATION DATE (U/S 11A)	01/09/2023



(12) PATENT APPLICATION PUBLICATION

(21) Application No.202111061704 A

(19) INDIA

(22) Date of filing of Application :30/12/2021

(43) Publication Date : 07/01/2022

(54) Title of the invention : A SYSTEM FOR DISEASE DETECTION IN PLANTS USING DEEP CONVOLUTIONAL NEURAL NETWORK AND METHOD THEREOF

(51) International classification :G06N0003040000, G16H0050200000, G06K0009620000, G06T0007000000, G06N0003080000 (86) International Application No :NA Filing Date :NA (87) International Publication No : NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	(71)Name of Applicant : 1)Dr. Nabeel Ahmad Address of Applicant :Associate Professor & Head, School of Biotechnology, IFTM University Moradabad U.P. India 244102 ----- 2)Dr Arvind Kumar Shukla 3)Dr. Preeti Bala 4)Mr. Rajan Prasad 5)Dr. Abhishek Kumar Mishra 6)Dr. Rakesh Kumar Yadav 7)Mr. Adnan Ahmad 8)Om Prakash Singh Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Dr. Nabeel Ahmad Address of Applicant :Associate Professor & Head, School of Biotechnology, IFTM University Moradabad U.P. India 244102 ----- 2)Dr Arvind Kumar Shukla Address of Applicant :Associate Professor, Department of Computer Application, IFTM University, Moradabad U.P. India 244102 ----- 3)Dr. Preeti Bala Address of Applicant :Assistant Professor, Department of Computer Application, SRMIST, Delhi-Meerut Road, Modinagar, U.P. 201204 ----- 4)Mr. Rajan Prasad Address of Applicant :Associate Professor, Department of Computer Science & Engineering, Babu Banarasi Das University, Lucknow-206028, U.P. India ----- 5)Dr. Abhishek Kumar Mishra Address of Applicant :Associate Professor, Department of Computer Science & Engineering , SCS & A, IFTM University, Moradabad UP, India 244102 ----- 6)Dr. Rakesh Kumar Yadav Address of Applicant :Assistant Professor, Department of Computer Science & Engineering, SCS & A, IFTM University, Moradabad UP, India 244102 ----- 7)Mr. Adnan Ahmad Address of Applicant :Assistant Professor, Department Of Bioengineering, Integral University, Lucknow U.P. India 226022 ----- 8)Om Prakash Singh Address of Applicant :Department of Computer Science & Engineering, Dr. K.N. Modi Institute of Engineering and Technology, Modinagr, Ghaziabad, 201204, U.P. India -----
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(57) Abstract :

The present invention discloses a system for disease detection in plant leaves using deep convolutional neural network and method thereof. The present invention is comprised of, but not limited to, a processing unit communicatively coupled with a memory unit for collecting dataset containing various image set of plant leaves. Further, the dataset collected, can contain a plurality of images of plant leaves distributed proportionally among various classes—cedar rust, multiple diseases, and healthy leaves.

No. of Pages : 19 No. of Claims : 4



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Patent Search

Invention Title	ENERGY EFFICIENT SECURITY MECHANISM FOR BATTERY CONSTRAINED LIGHT WEIGHTED DEVICES USING OFFLINE OR PRE-PROCESSING APPROACH		
Publication Number	02/2022		
Publication Date	14/01/2022		
Publication Type	INA		
Appplication Number	202211001091		
Application Filing Date	08/01/2022		
Priority Number			
Priority Country			
Priority Date			
Field Of Invention	COMMUNICATION		
Classification (IPC)	H04L0029060000, H04W0052020000, H04W0012060000, H04L0029080000, G06F0009500000		

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Applicant

Name	Address	Country	Nationality
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Abstract:

Security is the major Concern in IoT and WSN devices. Energy related apprehension increases due to limited battery power, especially when we are dealing with light weight devices in unattended environment. For providing basic security services, we always prefer symmetric encryption techniques over asymmetric techniques. But asymmetric approaches are the only way to get complete security services like one way authentication. Still we do not prefer to use asymmetric approaches because It consumes more energy in computation than symmetric approaches. By using offline processing or pre-processing concepts, we can pre-compute the part of the security techniques that depend on the sensed data/message before the deployment of the devices and compute rest of the security algorithms after deployment. This approach will conserve the and increase the lifetime of energy constraint devices. It also opens the option to implant asymmetric security approaches in light weighted devices.

Complete Specification

This invention relates to Energy saving approach in light weighted devices especially for IoT and Sensor devices.

BACKGROUND OF INVENTION

The information transferred may be a trivial conversation between light weighted nodes or resource constrained devices. The call for IoT and sensor networks security remains mostly unreciprocated, due to unattended environments. These networks are exposed to passive, active and routing attack by the adversary. The opponent can be aware of the conversation between the nodes and can forge the data.

Nodes should be resilient to these attacks.

We have identified following problems

1. Online processing of the security approaches consumes a lot of battery power for producing different security services like authentication, data integrity and confidentiality etc.
2. Like symmetric encryption, proper key management is a primary concern. Public key is not preferred due to its complex, power hungry and slow nature and not fit for use in low power environment.

3. A major applications of IoT & WSN like battle field scenario, where authentication is a very



202211004640 Published Dr. Mohammad Suaib Dr. Mohammad Akbar Dr. Mohammad Arif Dr. Jameel Ahmad Dr. Shish Ahmad

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211004640 A

(19) INDIA

(22) Date of filing of Application :27/01/2022

(43) Publication Date : 04/02/2022

(54) Title of the invention : A MACHINE LEARNING-BASED HOTSPOT PREDICTION SYSTEM IN ELECTRONIC DESIGN AUTOMATION (EDA) APPLICATIONS

(51) International classification :G06N0020000000, G06F0030398000, G06F0030330000, G06F0111020000, G01K0007420000 (86) International Application No :NA Filing Date :NA (87) International Publication No : NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	(71)Name of Applicant : 1)Mohammad Suaib Address of Applicant :Assistant Professor, Dept. of Computer Science & Engineering, Integral University, Kursi Road, Gram Dasauli, P.O. Basaha-226026 Lucknow, India. ----- 2)Dr. MOHD AKBAR 3)Dr. Mohd.Arif 4)Dr. Jameel Ahmad 5)Dr. Shish Ahmad 6)Ankita Srivastava 7)Nudrat Fatima 8)NIHARIKA SRIVASTAVA 9)Garima Singh Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Mohammad Suaib Address of Applicant :Assistant Professor, Dept. of Computer Science & Engineering, Integral University, Kursi Road, Gram Dasauli, P.O. Basaha-226026 Lucknow, India. ----- 2)Dr. MOHD AKBAR Address of Applicant :Assistant Professor, Dept. of Computer Science & Engineering, Integral University, Kursi Road, Gram Dasauli, P.O. Basaha-226026 Lucknow, India. ----- 3)Dr. Mohd.Arif Address of Applicant :Associate Professor, Dept. of Computer Science & Engineering, Integral University, Kursi Road, Gram Dasauli, P.O. Basaha-226026 Lucknow, India. ----- 4)Dr. Jameel Ahmad Address of Applicant :Associate Professor, Dept. of Computer Science & Engineering, Integral University, Kursi Road, Gram Dasauli, P.O. Basaha-226026 Lucknow, India. ----- 5)Dr. Shish Ahmad Address of Applicant :Associate Professor, Dept. of Computer Science & Engineering, Integral University, Kursi Road, Gram Dasauli, P.O. Basaha-226026 Lucknow, India. ----- 6)Ankita Srivastava Address of Applicant :Associate Professor, Dept. of Computer Science & Engineering, Integral University, Kursi Road, Gram Dasauli, P.O. Basaha-226026 Lucknow, India. ----- 7)Nudrat Fatima Address of Applicant :Associate Professor, Dept. of Computer Science & Engineering, Integral University, Kursi Road, Gram Dasauli, P.O. Basaha-226026 Lucknow, India. ----- 8)NIHARIKA SRIVASTAVA Address of Applicant :Assistant Professor, High Learning Centre (Computer Science), Central Institute of Petrochemicals Engineering and Technology, Lucknow, Amausi Industrial Area, B-27, CIPET Rd, Nadarganj, Sindhunagar, Lucknow, Uttar Pradesh 226008. ----- 9)Garima Singh Address of Applicant :Assistant Professor, Dept. of Computer Science and Information Technology, KIET Group of Institutions, Delhi-NCR, Ghaziabad Meerut Road (NH 58) Ghaziabad-201206. -----
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(57) Abstract :

The present invention discloses a machine learning-based hotspot prediction system in electronic design automation (EDA) applications. The system is comprised of, but not limited to, a hotspot defining module for identifying a criterion for a hotspot or a metric of the electronic circuit design; a processing unit for performing and placing the hotspot or metric prediction by using a deep learning data modelling; and a microcontroller configured for applying a correction candidate to an electronic circuit design, which is going to be under processing for IC chips embedding.

No. of Pages : 23 No. of Claims : 8



202211005508 Published Dr. Mohammad Faisal Dr. Halima Sadia Dr. Tasneem Ahmad Mrs. Nashra Javed

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Patent Search

Invention Title	MULTI-LAYERED SECURITY NETWORK AUTHENTICATION SYSTEM DEVELOPMENT THROUGH BLOCKCHAIN TECHNOLOGY
Publication Number	06/2022
Publication Date	11/02/2022
Publication Type	INA
Application Number	202211005508
Application Filing Date	01/02/2022
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	COMMUNICATION
Classification (IPC)	H04L0009320000, H04L0029060000, H04L0009060000, G06F0021640000, G06Q0020060000

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Dr. Tasneem Ahmed	Assistant Professor, Department of Computer Application, Integral University, Lucknow Dasauli, Bas-ha Kursi Road, Lucknow - 226026	India	Indi

Abstract:

A method for authenticating a chain of custody utilizing blockchain technology, in which digital evidence or other digital content is acquired and then hashed to produce a fingerprint/signature, and then immediately or instantly submitting said hash fingerprint/signature to the blockchain using the blockchain network protocol, forming an immediate verifiable chain of custody without the involvement of a human or the involvement of a trusted third party, is described in detail.



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Patent Search

Invention Title	AN EFFECTIVE PREDICTION AND PRIORITIZATION BASED CLOUD SERVICE ARCHITECTURE		
Publication Number	06/2022		
Publication Date	11/02/2022		
Publication Type	INA		
Application Number	202111008424		
Application Filing Date	01/03/2021		
Priority Number			
Priority Country			
Priority Date			
Field Of Invention	COMMUNICATION		
Classification (IPC)	H04L0029080000, H04L0012851000, G06Q0010060000, H04L0012240000, H04W0072080000		

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Dr. Mohd Waris Khan	Department of Computer Science & Engg. Integral University, Lucknow, Uttar Pradesh, India-226026	India	India

Abstract:

IT Industry now a days uses Cloud technologies for various computational purpose such as platform, infrastructure and software on pay per use or on subscription basis. Glants such as IBM and Microsoft or even google have Introduced their cloud based services for different type of customers. Vast variety of service availability creates a co in consumer's mind, consumer is unable to decide which service provider is more reliable and effective. Till date there is no specific framework that helos the consumer to measure the Service prioritize and predict the suitable one according to the requirement of consumer. We need an effective mechanism to address of the consumer that i focuses on Service quality. Here inventors have claimed a framework and a mechanism that measures the quality and prioritize best cloud services are predicted on the b. QoS metrics. This Architecture will make a positive, transparent and quality environment for all the component of NIST based cloud framework (Cloud Consumer, Cloud Se Provider, Cloud Auditor, and Cloud broker) it will help to create a transparent and matured SLA (Service Level Agreement) between all the users We have also claimed the computing definition on the basic of service prediction and further prioritization.



(12) PATENT APPLICATION
PUBLICATION

(21) Application No.202211003849 A

(19) INDIA

(22) Date of filing of Application :24/01/2022 (43) Publication Date : 11/02/2022

(54) Title of the invention : MACHINE LEARNING BASED SOLAR ENERGY
TRACKING SYSTEM FOR ELECTRIC VEHICLES

(51) International classification :G06N0020000000,
H02S0020320000,
G06Q0010100000,
H02J0007350000,
H02S0020100000

(86) International :NA
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(87) International : NA
Publication No

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

Filing Date

(62) Divisional to Application :NA
Number :NA
Filing Date

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UTTAR PRADESH, INDIA -----

4)DR. SHAILESH MISHRA



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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241007328 A

(19) INDIA

(22) Date of filing of Application :11/02/2022

(43) Publication Date : 18/02/2022

(54) Title of the invention : E-commerce system for Method of producing, selling, and distributing articles of manufacture

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(51) International classification	:G06Q0030060000, G06Q0030020000, CL2Q0001680900, H01N9021462000, G06Q0010080000	
(86) International Application No	:PCT/?	
Filing Date	:01/01/1900	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An online order gathering system that allows sellers to offer one or a combination of goods that are economically linked in some way with other items and facilitates the aggregation of demand across related items to enable the ability to reach a critical mass of demand for the related goods by a more efficient means than currently available is also provided by the present invention.

No. of Pages : 16 No. of Claims : 4



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(21) Application No.202241013639 A

(19) INDIA

(22) Date of filing of Application :13/03/2022

(43) Publication Date : 18/03/2022

(54) Title of the invention : FINANCIAL PERFORMANCES OF PHARMA COMPANY IN RURAL AREAS

(51) International classification : G06Q0040000000, G06Q0010060000, G06Q0040020000, G06Q0040060000, G06Q0010040000 (86) International Application No : PCT/ Filing Date : 01/01/1900 (87) International Publication No : NA (61) Patent of Addition to Application Number : NA Filing Date : NA (62) Divisional to Application Number : NA Filing Date : NA	(71) Name of Applicant : 1)Dr. T.M.Vijayalakshmi Address of Applicant :Assistant Professor, Department of Medical Biochemistry, University of Madras, Taramani Campus, Chennai 600 113 ----- 2)Dr. Harsha Sharma 3)Mrs. Mudita Mishra 4)Ms. Pooja Singh 5)Dr. B. D. Rupnar 6)Dr.M.S.Vasu 7)Mr. D. Saravanan 8)Mr.A.Ranjeeth 9)Dr. Shashi Kant Gupta 10)Dr. Klshor Vinayak Galkwad Name of Applicant : NA Address of Applicant : NA (72) Name of Inventor : 1)Dr. T.M.Vijayalakshmi Address of Applicant :Assistant Professor, Department of Medical Biochemistry, University of Madras, Taramani Campus, Chennai 600 113 ----- 2)Dr. Harsha Sharma Address of Applicant :Assistant Professor, Department of Microbiology, Faculty of Science, Motherhood University, Roorkee, Haridwar ----- 3)Mrs. Mudita Mishra Address of Applicant :Assistant professor, Quantum school of health sciences, Faculty of Pharmacy, Quantum University, Roorkee ----- 4)Ms. Pooja Singh Address of Applicant :Assistant professor, Quantum school of health sciences, Faculty of Pharmacy, Quantum University, Roorkee ----- 5)Dr. B. D. Rupnar Address of Applicant :Associate professor & Research Guide, Department of Chemistry, R. B. Attal Arts, science & Commerce, Georai Dist, Beed(MS) ----- 6)Dr.M.S.Vasu Address of Applicant :Department of MBA, Sree Rama Engineering College, Mangalam, Tirupati, 51 7507 ----- 7)Mr. D. Saravanan Address of Applicant :Associate Professor, Department of CSE, IFET College of Engineering, Villupuram, 605108 ----- 8)Mr.A.Ranjeeth Address of Applicant :Assistant Professor, Department of CSE, IFET College of Engineering, Villupuram, 605108 ----- 9)Dr. Shashi Kant Gupta Address of Applicant :Department of CSE, Integral University, Lucknow, U.P, India ----- 10)Dr. Klshor Vinayak Galkwad Address of Applicant :Assistant professor, Department of Chemistry, Rajarshi Chhatrapati Shahu College, Kolhapur -----
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(57) Abstract :

A firm's performance assessment is a topic that has been the subject of debate for many years among decision-makers such as managers, planners, economists, and members of the academic community. A company's policies and activities are evaluated in terms of their monetary outcomes, known as financial evaluation. Financial performance analysis is the examination and interpretation of financial statements so that it provides a comprehensive diagnostic of the profitability and financial soundness of a company. A broad indicator of a company's overall financial health over some time, this word may be used to compare comparable businesses within the same company or to compare companies or industries in aggregate. A company's production and productivity performance, profitability performance, liquidity performance, leverage performance, asset utilization performance, and growth performance are regularly evaluated by financial analysts. To identify the financial strengths and weaknesses of a company, the financial performance analysis must first establish accurate linkages between the items on the balance sheet and those on the profit and loss statement. It has been attempted in this study to analyze the profitability position of five prominent pharmaceutical businesses in India using the mean, standard deviation, coefficient of variation, multiple regression, and analysis of variance as measures of success.

No. of Pages : 17 No. of Claims : 3



(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241017591 A

(19) INDIA

(22) Date of filing of Application :27/03/2022

(43) Publication Date : 15/04/2022

(54) Title of the invention : ADVANCED AI BASED AUTOMATION TECHNOLOGY IN MANUFACTURING AND SERVICE INDUSTRIES

(51) International classification :G06Q0030060000, G06N0020000000, G06Q0010060000, G06N003020000, G06N003040000 (86) International Application No :PCT// Filing Date :01/01/1900 (87) International Publication No : NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	(71)Name of Applicant : 1)Harshwardhan Chandrakant Pandit Address of Applicant :Research Scholar, Department of Mechanical Engineering, KLS Gogte Institute of Technology, Belagavi, Karnataka. -- 2)Dr. Navneet Kumar Agrawal 3)Dr. Nimish H. Vasoya 4)Mr. D. Saravanan 5)Dr.G.Arunkumar 6)Dr. Shashi Kant Gupta 7)Mr. D.Prabhu Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Harshwardhan Chandrakant Pandit Address of Applicant :Research Scholar, Department of Mechanical Engineering, KLS Gogte Institute of Technology, Belagavi, Karnataka. -- 2)Dr. Navneet Kumar Agrawal Address of Applicant :Associate Professor, College of Technology and Engineering, MPLAT Udaipur. ----- 3)Dr. Nimish H. Vasoya Address of Applicant :Associate Professor, Department of Balbhavan, Children's University, Gandhinagar. ----- 4)Mr. D. Saravanan Address of Applicant :Associate Professor, Department of CSE, IPET College of Engineering, Villupuram, 605108. ----- 5)Dr.G.Arunkumar Address of Applicant :Associate professor, Department of Computer Science & Engineering, Madanapalle Institute of Technology & Science, Madanapalle, Chittoor District. ----- 6)Dr. Shashi Kant Gupta Address of Applicant :Department of CSE, Integral University, Lucknow, UP, India. ----- 7)Mr. D.Prabhu Address of Applicant :Assistant Professor, Department of Information Technology, Loyola Institute of Technology, Palanchur, Chennai-600123. -----
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(57) Abstract :

It is generally understood that the present invention relates to the fields of manufacturing/ Engineering intelligence, expert system-neural network/expert system technology for use in manufacturing and design & engineering applications, as well as to the fields of methods and systems for providing and implementing professional solutions. A more specific aspect of the present invention relates to the field of applying sophisticated algorithms and interview technologies that allow a user to conceive and design products and processes, and more specifically, to the field of methods and systems for delivering and implementing electronic commerce artificial intelligence-based, neural network-based, and expert system-based engineering and manufacturing solutions that are vertically integrated from concept to completion, and that is based on electronic commerce artificial intelligence, neural network-based, and expert system-based.

No. of Pages : 17 No. of Claims : 3



(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241020813 A

(19) INDIA

(22) Date of filing of Application :07/04/2022

(43) Publication Date : 22/04/2022

(54) Title of the invention : Financial Performance of Selected Public and Private Sector Banks

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(51) International classification	:G06Q0040060000, G06Q0040020000, G06Q0040080000, F02B0075220000, G06Q0010060000	
(86) International Application No	:PCT/	
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(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Historically, banks have played an important part in developing the country's economic position. The study's primary objective is to examine the financial health of a sample of public and private sector banks in India. According to the findings of this research, the financial performance of a chosen group of banks is examined. There are five characteristics of the CAMEL that are considered when ranking the banks on their performance: capital adequacy, asset quality, management efficiency, earnings ability, and liquidity. The investigation discovered that Kotak Mahindra had done better and was placed #1 among all banks, whereas Punjab National Bank was listed in the bottom half of the list. When comparing private sector banks to public sector banks, private sector banks have outperformed the latter. The top five spots are held by private sector banks, with Bank of Baroda being the only public sector bank in the top three rankings, with HDFC bank.

No. of Pages : 16 No. of Claims : 5



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Patent Search

Invention Title	A SYSTEM MODEL FOR MONITORING THE SLOW ADOPTION RATE OF BLOCKCHAIN TECHNOLOGY		
Publication Number	19/2022		
Publication Date	13/05/2022		
Publication Type	INA		
Application Number	202211012976		
Application Filing Date	10/03/2022		
Priority Number			
Priority Country			
Priority Date			
Field Of Invention	COMPUTER SCIENCE		
Classification (IPC)	G06Q0010060000, G06F0016330000, G06T0005500000, G06F0016380000, G06Q0099000000		

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Mohd. Haroon	Integral University, Kursi Road Lucknow-226026	India	India

Applicant

Name	Address	Country	Nationality
Integral University	Integral University Kursi Road Lucknow	India	India

Abstract

Embodiments herein disclose a system for monitoring and identification of significant factors responsible for the slow adoption rate of blockchain technology based on soft computing techniques, said process comprising a module A for data collection from experts, a module B for converting linguistic term initial decision matrix into triangular fuzzy number form, a module C for calculating ratio for each candidate/alternatives, a module D for calculating normalized aggregated ratings for each candidate/alternatives, a module E to implement the fuzzy ratio system method, a module F to implement the fuzzy reference point method, a module G to implement the fuzzy full multiplicative method, a module H to implement the information entropy weight - fuzzy comprehensive evaluation model, a module I for applying the theory of dominance and getting ranking by summarizing the ranks provided by constituent methods of FCEM-MULTIMOORA-FG, and a module J to select and explain the most significant factors responsible for the slow adoption rate of blockchain technology in a particular industry/organization, this module will also suggest possible measures to overcome the observed hurdles. The system model may be used by any industry/organization, for all verticals and horizontal, which wants to adopt blockchain technology.

Complete Specification

Claims: A system for monitoring and identification of significant factors responsible for the slow adoption rate of blockchain technology based on soft computing techniques, said process comprising, characterized in that:
a module A (S101a) for data collection from experts;
a module B (S102a) for converting linguistic term initial decision matrix into triangular fuzzy number form;
a module C (S102b) for calculating the ratio for each candidate/alternatives;
a module D (S102c) for calculating normalized aggregated ratings for each candidate/alternatives and the utopian objective reference point;
a module E (S103a) to implement the fuzzy ratio system method;
a module F (S103b) to implement the fuzzy reference point method;
a module G (S103c) to implement the fuzzy full multiplicative form method;
a module H (S103d) to implement the information entropy weight - fuzzy comprehensive evaluation model;
a module I (S104a) for applying the theory of dominance and getting the final ranking

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Patent Search

Invention Title	DEVELOPMENT OF FORMALDEHYDE-TREATED AGRICULTURAL WASTE - OAT (AVENA SATIVA) STRAW		
Publication Number	19/2022		
Publication Date	13/05/2022		
Publication Type	INA		
Application Number	202211026684		
Application Filing Date	09/05/2022		
Priority Number			
Priority Country			
Priority Date			
Field Of Invention	CHEMICAL		
Classification (IPC)	C02F0001280000, B01J0020200000, C02F0101140000, B01J0020220000, B01D0053020000		

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Mohammad Akhtar	Louis Berger International A WSP Company, Gurugram, Haryana, India.	India	India
Dr. Rajesh Kumar Deolia	Mathematics Department, School of Sciences ITM University, Gwalior	India	India

Applicant

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Anand Engineering College	Anand Engineering College, Keetham, Agra, Uttar Pradesh-282007	India	India

Abstract:

The research work examines the potential of acid-treated biological waste of agriculture Oat (Avena Sativa) straw for the removal of the concentration of fluoride from groundwater following the chemical treatment using formaldehyde in 1:5 w/v ratio at 50°. The effects of working parameters like initial concentration of fluoride, the effect time, effect of pH and effect of the dose were inspected in the batch mode. Developed adsorbent (Oat straw) efficiency was matched with commercially available activated carbon (CAC) and obtained desirable for working at the conditions of neutral pH. Langmuir isotherm on adsorption data is improved applicability which reflects monolayer adsorption over the homogeneous surface of adsorbents. The pseudo-second-order kinetics data ($R^2 = 0.985$) exhibited improved experimental results. The simple synthesis technique, massive raw material availability made these adsorbents a promising and cost-effective technique for the defluoridation of groundwater.



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Patent Search

Invention Title	A QUASI-Z-SOURCE HIGH STEP UP DC-DC CONVERTER		
Publication Number	19/2022		
Publication Date	13/05/2022		
Publication Type	INA		
Application Number	202211026628		
Application Filing Date	09/05/2022		
Priority Number			
Priority Country			
Priority Date			
Field Of Invention	ELECTRICAL		
Classification (IPC)	H02M000108C000, H02M0003158000, H02M0007487000, E21B0041 003000, H05B0041 280000		

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Mohd Haris	Department of Electrical Engineering, Integral University, Lucknow, India	India	India
Dr. Mohd Tariq	Department of Electrical Engineering, ZHCET, Aligarh Muslim University, Aligarh, 202002, India	India	India

Applicant

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Aligarh Muslim University, Aligarh	Department of Electrical Engineering, ZHCET, Aligarh Muslim University, Aligarh, 202002	India	India

Abstract

A high gain Direct current (DC)-DC converter that convert DC voltage into higher level DC voltage and comprise of two switches, two diodes, two inductor and two capacitors presented in the disclosure. The converter of the disclosure is capable of generating an output voltage of higher level at lower duty ratio $D < 0.5$ with reduced voltage across switch. A comprehensive comparison with the prior-art converters is performed to accentuate the advantages of the proposed converter.

Complete Specification

Description: 2. TECHNICAL FIELD OF INVENTION AND USE OF INVENTION

The field of the invention is related to power conversion from DC to DC power. This invention provides a very high output voltage gain at lower duty ratio as compared to conventional boost converter. An invented converter can be used in many power electronic applications like photo voltaic solar power generation, high voltage DC to DC transmission and it could also be used in electrical vehicle applications.

3. PRIOR ART AND PROBLEM TO BE SOLVED

The use of high-voltage-gain power converters was limited in the past to a few applications such as supplying power to plasma display panels and integrating batteries to uninterruptible power supply. Today, high-voltage-gain converters are being used in a wide variety of applications such as radar systems, dc distribution systems, renewable energy harvesting, and data centers. Integrating renewable energy into the electric power grid encourages the use of high-voltage gain converters to boost the voltage of the renewable energy sources to be suitable for integration to a 400 V dc distribution system. The use of dc distribution has several advantages over the use of an AC distribution system regarding the number of conversion units, price, and power quality. Therefore, using a high-voltage gain dc-dc converter, one can convert the unregulated low-output voltage of a solar panel to a regulated high-voltage output.

The design goals of power electronic converters vary from application to application, but the most common goals are maximum performance, high power density, or minimum cost. To achieve better performance of the converter, one needs to operate the converter at a suitable frequency, where the switching and core losses are low. The common design goals can be even more difficult to achieve in designing high voltage gain step-up converters because of the drawbacks of the existing topologies[1]- such as the high voltage stress across components and insufficient voltage gain. Topologies with high voltage stress across components require components with a high

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202111045383 Published Dr. Shailendra kumar Prof. Syed Hasan Saeed Prof. Tasneem Usmani Prof.Naimur Rahman Kidwai

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Patent Search

Invention Title	SMART-STICK FOR VISUALLY IMPAIRED PEOPLE
Publication Number	20/2022
Publication Date	20/05/2022
Publication Type	INA
Application Number	202111045383
Application Filing Date	06/10/2021
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	BIO-MEDICAL ENGINEERING
Classification (IPC)	A61H0003060000, G09B0021000000, G06F0003160000, A61F0009080000, G08B0021020000

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Applicant

Name	Address	Country	Nationality
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Abstract

This invention is related to the discovery of a smart stick comprising novel design and sensors and components useful for the visually impaired person which is able to see obstacle from the three sides left, right, and front and alert by generating an audio output to the user according to the distance between the user and obstacle. With the help of this innovation, we can make visually impaired people's life easier by solving the most common problem related to their visibility. Sometimes, it is very difficult to walk in the dark for the visually impaired person, therefore, a suitable solution has been proposed to solve the visual difficulty by using the speaking smart stick. Ultrasonic sensors, Arduino microcontroller are used to control all the required components in this system. An audio signal is generated through this stick to alert the user when an object comes into the range of ultrasonic sensors, it senses the front, left, and right directions. Inside this stick, audio files are pre-loaded in Micro Micro-SD card and it can be accessed by the microcontroller. Three ultrasonic sensors are used to sense the obstacle and a microcontroller is used to calculate the distance through processing and play audio file according to the distance between a visually impaired person and obstacle.



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Patent Search

Invention Title	DEVELOPMENT OF TCO LAYER FOR PHOTOVOLTAIC CELL BY USING TRANSITION METAL IN ZnO PREPARED BY TWO STEP PROCESS		
Publication Number	21/2022		
Publication Date	27/05/2022		
Publication Type	INA		
Application Number	202211029425		
Application Filing Date	23/05/2022		
Priority Number			
Priority Country			
Priority Date			
Field Of Invention	ELECTRONICS		
Classification (IPC)	H01L0031180000, B82Y0030000000, C23C0018120000, H01G0009200000, C12M0001120000		

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Abstract

In this invention, we have used a novel methodology called the two-step process in which fabrication of the sample is done through sol-gel and a dip-coating method. The precursors for the doped samples are zinc nitrate hexahydrate as the host and manganese chloride hexahydrate as the dopant. On the samples, the fabrication of ZnO nanoarrays doped with different concentration of Mn was done to develop a TCO layer for solar cells applications.

Complete Specification

Undoped ZnO has certain limitation in its light absorption catalytic activity, which is due to the fast recombining speed of photo-generated electron-hole pairs. It is thus required to dope ZnO with suitable impurity, so as to get the required electrical, magnetic, structural and optical properties, doping with certain transition metal ions are called as Diluted Magnetic Semi-Conductors (DMS). Unique spin dependence optical and electrical properties are generated in such doped samples, due to the strong exchange interactions between external s-p carriers of host and localized d electrons of dopant. Doping with either of '3d' metal ions, like, Mn, Fe, Ni, Co, Cr, etc. lowers the particle size and hence increases the surface area. Out of all these dopants, Mn is preferred as the energy level of its 'd' electron can easily overlap with the valence band ZnO.

SUMMARY OF THE INVENTION:

In this invention, a TCO layer is proposed by the two-step-process. The proposed disclosure is presented with the aim to improve the transmittance and conductivity of the top layer of the photovoltaic cell. It is achieved by using different doping concentration of Mn in host lattice of ZnO nanoarrays. The doping concentration of Mn is varied from 2%, 4%, 6% in ZnO. The advantage of the proposed process is that we obtain high conductivity of $70(\text{ohm cm})^{-1}$ and high transmittance of more than 75% in the low doping samples. Hence such high conductivity and transmittance is achieved in Mn doped ZnO samples prepared by two-step methodology.

EXPERIMENTAL PROTOCOL:

Mn doped ZnO nano particles were prepared by a two-step process. The seed layer was firstly prepared with the help of sol-gel process. ZAD (solute) was dissolved in 2-methoxyethanol and was kept for magnetic stirring for 2 hours at 60°C. MEA stabilizer was added dropwise to the above solution with the molar ratio of 1:1. A clear and homogeneous solution was formed, which was then left for ageing. It was then filtered and was spin coated on a clean pre heated glass substrate (300°C) at the rate of ...

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Patent Search

Invention Title	CLOUD COMPUTING AND IOT BASED SMART ECOMMERC PLATFORM METHOD THEREOF
Publication Number	21/2022
Publication Date	27/05/2022
Publication Type	INA
Application Number	202241028031
Application Filing Date	16/05/2022
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	COMPUTER SCIENCE
Classification (IPC)	G06Q0010080000, G06Q0030060000, G06K0017000000, G06Q0050280000, G06F0016250000

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202111059361 Published Prof. Mohammed Arifuddin Mallick Dr. Mohd. Khursheed Dr. Shirazul Islam Dr. Tarana Afreen Chandel

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202111059361 A

(19) INDIA

(22) Date of filing of Application :20/12/2021

(43) Publication Date : 24/06/2022

(54) Title of the invention : LOW-COST INSTRUMENT TO DETECT THE DEGRADATION OF PHARMACEUTICAL FORMULATIONS BASED MEDICINES

(51) International classification :G06F0003041000, G01N0021840000, H03J0007040000, G01R0033381500, H03K0017955000
(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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Name of Applicant : NA

Address of Applicant : NA

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(57) Abstract :

The invention relates to a low cost instrument in order to detect the degradation of pharmaceutical formulation based medicines. In one example, the invention is based on capacitive method in which the sample will be inserted between the two plates of capacitor which is connected to an arm of Wheatstone bridge.

No. of Pages : 13 No. of Claims : 7



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Application Details

APPLICATION NUMBER	202211035969
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	23/06/2022
APPLICANT NAME	Iffat Zareen Ahmad
TITLE OF INVENTION	NANOEMULSION-BASED COSMECEUTICAL PRODUCTS HAVING UV PROTECTIVE AND ANTI SKIN CANCER PROPERTIES
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	iffat77@gmail.com
ADDITIONAL-EMAIL (As Per Record)	iffat77@rediffmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	23/06/2022
PUBLICATION DATE (U/S 11A)	01/07/2022

Application Status

APPLICATION STATUS	FER Issued, Reply not Filed
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202211039795 Published Prof. Mohammad Haris Siddiqui Prof. Alvina Farooqui Enhanced Cardioprotective Potential of A Combination of Carvedilol And Silk Protein Sericin 7/22/2022

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Patent Search

Invention Title	ENHANCED CARDIOPROTECTIVE POTENTIAL OF A COMBINATION OF CARVEDILOL AND SILK PROTEIN SERICIN
Publication Number	29/2022
Publication Date	22/07/2022
Publication Type	INA
Application Number	202211039795
Application Filing Date	11/07/2022
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	CHEMICAL
Classification (IPC)	A61K0031704000, A61K0045060000, A61P0009000000, A61K0031403000, A61K0031192000

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241040791 A

(19) INDIA

(22) Date of filing of Application :16/07/2022

(43) Publication Date : 22/07/2022

(54) Title of the invention : AN INNOVATIVE ARTIFICIAL INTELLIGENCE-BASED FRAMEWORK FOR HUMAN RESOURCE MANAGEMENT

(51) International classification : G06Q0010060000, G06Q0010100000, A61B0005024000, G06N0020000000, G06F0011360000 (86) International Application No : PCT// Filing Date : 01/01/1900 (87) International Publication No : NA (61) Patent of Addition to Application Number : NA Filing Date : NA (62) Divisional to Application Number : NA Filing Date : NA	(71)Name of Applicant : 1)Dr. S. Sam Santhose Address of Applicant :Associate Professor, Nesamony Memorial Christian college, Marthandam, kanyakumari district, Tamil Nadu, India - 629165 ----- 2)Dr. Ajay Pal Kaushik 3)Dr. Farhina Sardar Khan 4)Dr. Anruta Manas Inamdar 5)Dr. N. Geethanjali 6)Dr. Neelam Gavali 7)Sivasankar G A 8)Dr. Manoj AS Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Dr. S. Sam Santhose Address of Applicant :Associate Professor, Nesamony Memorial Christian college, Marthandam, kanyakumari district, Tamil Nadu, India - 629165 ----- 2)Dr. Ajay Pal Kaushik Address of Applicant :Registrar, Department of Academic Administration, Career Point University Alariya, Jha Tamar Road, Rajasthan, Kota-325003 ----- 3)Dr. Farhina Sardar Khan Address of Applicant :Assistant Professor, Department of Commerce and Business Management Integral University, Lucknow, Uttar Pradesh, India - 226026 ----- 4)Dr. Amruta Manas Inamdar Address of Applicant :Assistant Professor, P.D.E.A's Bahuraoji Gholap College Sangvi, Pune, Maharashtra, India - 411027 ----- 5)Dr. N. Geethanjali Address of Applicant :Associate Professor, PSNA College of Engineering and Technology, Dindigul, Tamilnadu, India - 624622 ----- 6)Dr. Neelam Gavali Address of Applicant :Assistant Professor, Bharati Vidyapeeth (Deemed to be) University Dental College & Hospital, Pune, Maharashtra, India - 411043 ----- 7)Sivasankar G A Address of Applicant :Assistant Professor, KIT - Kalaingar Karunanidhi Institute of Technology, Karunampalayam Post, Coimbatore, Tamilnadu, India - 641402 ----- 8)Dr. Manoj AS Address of Applicant :Head - Planning, Competency Development & Innovations, ICT Academy of Kerala, Ground Floor, Thejaswini, Technopark, Trivandrum, Kerala, India - 695581 -----
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(57) Abstract :

In this competitive world, it is vital for organizations to survive and remain competitive; so AI can be a tool for doing the same. For a long time, organizations have been using Artificial Intelligence (AI) technology to automate tasks, especially those that need low to high cognitive. The HR department is not an exception. Nowadays, if we see how organizations function (practical and theoretical), we can understand that AI has already emerged. Organizations are using it to automate different tasks. This paper discusses how HRM was practiced before the AI era and why HRM changed to AI-HRM. A conceptual framework has been used to show the relationship between AI technology applications with HR functions (recruitment and deployment, training and development, performance management, compensation management, and employee relationship).

No. of Pages : 8 No. of Claims : 7



(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241039693 A

(19) INDIA

(22) Date of filing of Application :11/07/2022

(43) Publication Date : 22/07/2022

(54) Title of the invention : AN INTEGRATED HUMAN-AI PARADIGM THROUGH ORGANISATIONAL AGILITY AND SUSTAINABLE PERFORMANCE

(51) International classification :G06Q0910060000, G06F0016951000, G06N0003040000, H04Q0003000000, H04L0012707000 (86) International Application No :PCT// Filing Date :01/01/1900 (87) International Publication No : NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	(71)Name of Applicant : 1)Dr. P G Thirumagal Address of Applicant :MBA Department, VISTAS, PV Vaithiyalingam Rd, Velan Nagar, Krishnapuram, Pallavaram, Chennai, Tamil Nadu - 600117 ----- 2)Dr.S.Vasantha 3)M. Ruby Evangelin 4)Dr. K. Sampath 5)Dr. Syed Shahid Mazhar 6)Dr. Anis ur Rehman 7)Dr. Biplab Tripathy 8)Anudhati Datta Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Dr. P G Thirumagal Address of Applicant :MBA Department, VISTAS, PV Vaithiyalingam Rd, Velan Nagar, Krishnapuram, Pallavaram, Chennai, Tamil Nadu - 600117 ----- 2)Dr.S.Vasantha Address of Applicant :MBA Department, VISTAS, PV Vaithiyalingam Rd, Velan Nagar, Krishnapuram, Pallavaram, Chennai, Tamil Nadu - 600117 ----- 3)M. Ruby Evangelin Address of Applicant :Assistant Professor, BBA Department, Vels Institute of Science Technology and Advanced Studies, Pallavaram, Tamilnadu - 600117 ----- 4)Dr. K. Sampath Address of Applicant :Assistant Professor, MBA Department, St.joseph's College of Engineering, Rajiv Gandhi Salai, Kamaraj Nagar, Semmancheri, Chennai, Tamil Nadu - 600119 ----- 5)Dr. Syed Shahid Mazhar Address of Applicant :Associate Professor, Department of Commerce and Business Management, Integral University, Lucknow, Uttar Pradesh, India ----- 6)Dr. Anis ur Rehman Address of Applicant :Associate Professor, Department of Management and Information System, College of Business Administration, University of Hail, Saudi Arabia - 2440 ----- 7)Dr. Biplab Tripathy Address of Applicant :Associate Professor, Department of Geography, Arunachal University of Studies, Namsai, Arunachal Pradesh, India - 792103 ----- 8)Anudhati Datta Address of Applicant :Assistant Professor, MBA Department, Vignan's Institute of Information Technology, Andhra Pradesh, India - 520049 -----
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(57) Abstract :

Companies are facing important challenges related to markets' internationalisation, regulatory restrictions and fierce competition, especially during the COVID19 crisis. They should embrace change and be agile to prevent risks and seize opportunities quickly and efficiently. In this article, we examine how artificial intelligence (AI) can help companies to enhance their organisational agility. Based on two systematic literature reviews, we identified the weaknesses of relying only on digital enablers or human resource (HR) practices. Thus, we propose a Framework integrating artificial intelligence and human practices to help companies achieve agility. This latter allows companies to adapt to new societal regulations, customers' expectations, and environmental changes. Ultimately, agile companies can ensure sustainable performance.

No. of Pages : 9 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No 202221037612 A

(19) INDIA

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

(43) Publication Date : 22/07/2022

(54) Title of the invention : ONLINE AUCTION AND BIDDING USING ML AND IOT - BASED SYSTEM

(60) International Classification	C06Q003030000, C06Q0030600000, G06Q0030600000
(66) International Application No. Filing Date	N/A N/A
(67) International Publication No. Filing Date	N/A N/A
(61) Patent of Addition to Application Number Filing Date	N/A N/A
(62) Divisional to Application Number Filing Date	N/A N/A

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(59) Abstract:
As a result of "Gut-finger"ing, The promotor has a low stock of budget. Online Auctions for advertising Media and buying are used to model with-based sales in which the delivery of advertising offers is much cheaper and the limitation of settlements are considered. We come up with a unique programming solution to the investigation job: problem and demonstrate that effectiveness is increased by making a bid for each promotor equal to the sponsor's normal incentive for publicizing an open door in addition to a term corresponding to the fluctuation in the value divided by the number of impressions the sponsor has received. Thus, afterward, we use this finding to demonstrate that the advantages of competing dynamic research in a dynamic climate are negligible. An advertisement's value is determined in this section, and this strategy is used to identify the best technique for selling it. A step-by-step performance is then assessed for a certain time frame during which the bidder submits a specified bid for the sponsor with a dubious classroom. CTR. To get to this stage in the article, we went looking about a technique programming model in which the chosen decision, a certain minimum value, is used to decide whether what the choice means for the decision maker. In the end, we are saying it is selling in a dynamic climate. However, there has been recent work on an alternate metric: doing known as information angles, in which the choice one makes in a given period is the choice one would make if confronted with an infinite dynamic game. But this period was the last time there in which the data are brought could be utilized in a dynamic future decision.

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



202211036577 Published Prof. Syed Shahid Mazhar Dr. Farhina Sardar Khan Ms. Saleha Mariyam

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211036577 A

(19) INDIA

(22) Date of filing of Application :25/06/2022

(43) Publication Date : 08/07/2022

(54) Title of the invention : BLOCKCHAIN-BASED COMMERCIAL INVENTORY MANAGEMENT SYSTEM AND METHOD

(57) Abstract: The block inventory system and method of efficiently managing commercial inventory using blockchain privacy and security tools. The system comprises plurality of user nodes (100) provided in a communication network (200), and a blockchain database (300). The user nodes are communicatively connected in the distributed network to read, analyse, update and share various commercial inventory values among themselves. The blockchain comprises plurality of blocks to store records of all transactions carried out by the user nodes in the distributed network. Each user node comprises a data processing engine configured to generate a hash value for each block using a private key. Link the blocks by tagging the hash value of one block to its next block, broadcast followed by validation of the transaction of records on real time basis, and enable the transaction of records to be accessed using a private key. No. of pages : 21 No. of Claims : 10		(71) Name of Applicant : 1)Dr. Veena Talukdar Address of Applicant: Principal & Professor, Department of IT and Management, Sri Ram College of Commerce, Science and Arts, Mumbai, Maharashtra- 400078, India Delhi ----- 2)Suryansh Bhaskar Talukdar 3)Dr. Syed Shahid Mazhar 4)Dr. Farhina Sardar Khan 5)Saleha Mariyam 6)Mrs. Anandini Nigam Verma 7)Dr. Anisur Rehman 8)Dr. Humna Khan 9)Dr. Saurabh Bajpai 10)Tupeti Parth 11)Dr. Shaziyah Islam 12)Ankur Gupta Name of Applicant : NA Address of Applicant : NA (72) Name of Inventor : 1)Dr. Veena Talukdar Address of Applicant: Principal & Professor, Department of IT and Management, Sri Ram College of Commerce, Science and Arts, Mumbai, Maharashtra- 400078, India Delhi ----- 2)Suryansh Bhaskar Talukdar Address of Applicant: School of Computer Science and Engineering, VIT Bhopal, Madhya Pradesh- 466114, India Bhopal ----- 3)Dr. Syed Shahid Mazhar Address of Applicant: Associate Professor & Head, Department of Commerce and Business Management, Integral University, Lucknow, Uttar Pradesh- 226026, India Lucknow ----- 4)Dr. Farhina Sardar Khan Address of Applicant: Associate Professor, Department of Commercial and Business Management, Integral University, Lucknow, Uttar Pradesh- 226026, India Lucknow ----- 5)Saleha Mariyam Address of Applicant: Associate Professor, Department of Computer Science and Engineering, Integral University, Lucknow, Uttar Pradesh- 226026, India Lucknow ----- 6)Mrs. Anandini Nigam Verma Address of Applicant: Assistant Professor, Department of Management, Lucknow Public College of Professional Studies, Lucknow, Uttar Pradesh- 226026, India Lucknow ----- 7)Dr. Anisur Rehman Address of Applicant: Associate Professor, Department of Management and Information System, College of Business Administration, University of Umm Al-Qura, Saudi Arabia ----- 8)Dr. Humna Khan Address of Applicant: Associate Professor, Department of Computer Science and Engineering, Biju Patnaik College of Engineering and Technology, Bhubaneswar, Odisha, Odisha- 751007, India Bhubaneswar ----- 9)Dr. Saurabh Bajpai Address of Applicant: Associate Professor, Department of Commercial and Business Management, Integral University, Lucknow, Uttar Pradesh-226026, India Lucknow ----- 10)Tupeti Parth Address of Applicant: Assistant Professor, Bharati Vidyapeeth Deemed to be University Department of Engineering and Technology, New Mumbai, Maharashtra- 400070, India New Mumbai ----- 11)Dr. Shaziyah Islam Address of Applicant: Associate Professor, Department of Computer Science and Engineering, Pimpri Chinchwad Education Trust, Pimpri, Maharashtra- 411004, India Pimpri ----- 12)Ankur Gupta Address of Applicant: Associate Professor, Department of Computer Science and Engineering, Vardha College of Engineering, Kolhapur, Maharashtra- 416004, India Kolhapur -----
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Application Details

APPLICATION NUMBER	202211044085
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	02/08/2022
APPLICANT NAME	Integral University
TITLE OF INVENTION	CYDONIA OBLONGA MILL. SEED EXTRACT AND ITS NANOEMULSION AS ANTI-HEPATOCELLULAR CARCINOMA AGENTS
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	deanrnd@iul.ac.in
ADDITIONAL-EMAIL (As Per Record)	iffat@iul.ac.in
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	02/08/2022
PUBLICATION DATE (U/S 11A)	12/08/2022

Application Status

APPLICATION STATUS	FER Issued, Reply not Filed
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202211048978 Published Prof. Mohammed Haris Siddiqui Prepared and innovate of Formaldehyde-treated Agricultural Waste – PEA (PISUM SATIVUM) Straw Raw 9/2/2022

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Patent Search

Invention Title	PREPARED AND INNOVATE OF FORMALDEHYDE-TREATED AGRICULTURAL WASTE - PEA (PISUM SATIVUM) STRAW RAW			
Publication Number	35/2022			
Publication Date	02/09/2022			
Publication Type	INA			
Application Number	202211048978			
Application Filing Date	27/08/2022			
Priority Number				
Priority Country				
Priority Date				
Field Of Invention	CHEMICAL			
Classification (IPC)	C02F0001280000, C02F0101140000, B01J0220220000, C02F0103060000, C02F0101300000			
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Dr. Rajesh Kumar Dandia	Mathematics Department, School of Sciences, TMU University, Gwalior	India	India	
Rajul Islam	Department of Civil Engineering, GLA University, Mathura	India	India	
Mohammad Akhtar	Louis Berger International AWSP Company, Gurugram	India	India	
Applicant				
Name	Address	Country	Nationality	
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Anand Engineering College	Anand Engineering College, Agra 202007, U.P., India	India	India	
Abstract				
The research work undertakes to examine the potential of acid-treated biological waste of agriculture Pea (Pisum sativum) straw Raw for the defluoridation of concentration Fluoride from groundwater following the chemical treatment using formaldehyde in 1:5 w/v ratio at 50 ^o for 4 hours. The effects of working factors (i) pH (ii) Dose (iii) Time (iv) Fluoride concentration, were checked in the batch mode. The competence of prepared Pea straw Raw was matched with commercially available activated carbon (CAC) and desirable for working at neutral pH (7) conditions. The model of Langmuir isotherm on adsorption data is enhanced applicability which showed monolayer adsorption over homogeneous adsorbents surface. The pseudo-second-order kinetics data (R ² =0.98) showed enhanced the results of experiment. The simple synthesis technique and its raw material availability made these adsorbents a promising and cost-effective technique for the removal of concentration of fluoride of groundwater.				



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Patent Search

Invention Title	IOT BASED PATIENT MONITORING SYSTEM USING SENSORS TO DETECT, ANALYSE AND MONITOR TWO PRIVATE VITAL SIGNS		
Publication Number	35/2022		
Publication Date	02/09/2022		
Publication Type	INA		
Application Number	202211048061		
Application Filing Date	23/08/2022		
Priority Number			
Priority Country			
Priority Date			
Field Of Invention	BIO-MEDICAL ENGINEERING		
Classification (IPC)	A61D0005000000, A61D0005020500, A61D0005024000, A61D0005080000, A61D0005010000		

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Applicant



(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211048063 A

(19) INDIA

(22) Date of filing of Application :23/08/2022

(43) Publication Date : 02/09/2022

(54) Title of the invention : IOT BASED WEARABLE DEVICE TO MONITOR THE SIGNS OF QUARANTINED REMOTE PATIENTS OF COVID-19

(51) International classification :A61B0005000000, G16H0050300000, H04T0010080000, G16H0040670000, A61B0005110000 (86) International Application No : :N/A Filing Date : :N/A (87) International Publication No : :N/A (81) Patent of Addition to Application Number : :N/A Filing Date : :N/A (82) Divisional to Application Number : :N/A Filing Date : :N/A	(71) Name of Applicant : 1)Dr. Alok Chahal Address of Applicant :Professor, Department of Physiotherapy, Maharishi Markandeshwar Institute of Physiotherapy and Rehabilitation, Maharishi Markandeshwar (Deemed to be University), Mullana, Ambala District, Haryana 133207, India ----- 2)Madhusen Kumbhakar 3)Dr. Pooja Chaudhary 4)Dr. Abdur Raheem Khan 5)Dr. Sukshi Vans 6)Dr. Kamla 7)Bimal Gahlot 8)Dr. Nidhi Sharma Name of Applicant : NA Address of Applicant : NA (72) Name of Inventor : 1)Dr. Alok Chahal Address of Applicant :Professor, Department of Physiotherapy, Maharishi Markandeshwar Institute of Physiotherapy and Rehabilitation, Maharishi Markandeshwar (Deemed to be University), Mullana, Ambala District, Haryana 133207, India ----- 2)Madhusen Kumbhakar Address of Applicant :Assistant Professor, Department of Computer Science and Electronics, Christian Eminence College, Indore, Madhya Pradesh, India ----- 3)Dr. Pooja Chaudhary Address of Applicant :IITD & Associate Professor, Department of Physiotherapy, University of Science and Technology, Dandua, Meghalaya, India ----- 4)Dr. Abdur Raheem Khan Address of Applicant :Professor, Department of Physiotherapy, Integral University, Lucknow, Uttar Pradesh, India ----- 5)Dr. Sukshi Vans Address of Applicant :Assistant Professor, Department of Physiotherapy, Maharishi Markandeshwar Institute of Physiotherapy and Rehabilitation, Maharishi Markandeshwar (Deemed to be University), Mullana, Ambala District, Haryana 133207, India ----- 6)Dr. Kamla Address of Applicant :Assistant Professor, Department of Physiotherapy, Maharishi Markandeshwar Institute of Physiotherapy and Rehabilitation, Maharishi Markandeshwar (Deemed to be University), Mullana, Ambala District, Haryana 133207, India ----- 7)Bimal Gahlot Address of Applicant :Student (M. Tech.), Department of Data Science Engineering (WILP), BITS Campus, Rana Pratap Marg, Pilani, Rajasthan 333001, India ----- 8)Dr. Nidhi Sharma Address of Applicant :Assistant Professor, Department of Physiotherapy, Maharishi Markandeshwar Institute of Physiotherapy and Rehabilitation, Maharishi Markandeshwar (Deemed to be University) Mullana, Ambala District, Haryana 133207, India -----
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(57) Abstract :

Latest technology struggle to monitor and manage COVID-19 patients. This IoT-based wearable gadget measures COVID-19 viral indicators. By monitoring possibly contaminated individual's real-time GPS data, the technology warns medical authorities of any quarantine violations. The wearable sensor is connected to an edge node in IoT cloud, where data is processed and analyzed to determine health. The suggested system has three layers: wearable IoT sensor, cloud with API and Android web for mobile phones. First, IoT sensor data is used to determine health symptoms. Next, preventive measures, notifications, and immediate actions are stored in the cloud database. Android mobile app layer notifies and alerts possibly affected patient family respondents. API and mobile app synchronize for anticipating and alarming. Monitoring, managing, and evaluating COVID-19 symptoms require this design. The paper reveals how a digital wearable platform can monitor a COVID-19 patient's health and rehabilitation.

No. of Pages : 14 No. of Claims : 7



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Patent Search

Invention Title	IOT BASED REMOTE PATIENT HEALTH MONITORING SYSTEM		
Publication Number	35/2022		
Publication Date	02/09/2022		
Publication Type	INA		
Application Number	202211048059		
Application Filing Date	23/08/2022		
Priority Number			
Priority Country			
Priority Date			
Field Of Invention	COMMUNICATION		
Classification (IPC)	H104L0029280000, A6130005020000, G16H005020000, A61D0005020000, A6130005145200		

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Patent Search

Invention Title	DEVELOPMENT OF AN IoT BASED HEALTH MONITORING SYSTEM FOR E-HEALTH				
Publication Number	35/2022				
Publication Date	02/09/2022				
Publication Type	INA				
Application Number	202211048060				
Application Filing Date	23/08/2022				
Priority Number					
Priority Country					
Priority Date					
Field Of Invention	BIO-MEDICAL ENGINEERING				
Classification (IPC)	A61B0005000000, A61B0005020500, G06Q0050220000, A61B0005024000, G16H0040670000				
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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241057567 A

(19) INDIA

(22) Date of filing of Application :07/10/2022

(43) Publication Date : 28/10/2022

(54) Title of the invention : MACHINE LEARNING BASED TECHNIQUE INTEGRATED WITH SIX SIGMA METHODOLOGIES FOR PREDICTING THE STRESS OF EMPLOYEES IN AN ORGANIZATION

(51) International classification :G06N02000000, G06Q01006000, G06K000962000,
H04W0004029000, B01D0053180000
(86) International Application No :PCT/
Filing Date :01/01/1900
(87) International Publication No : NA
(61) Patent of Addition to :NA
Application Number :NA
Filing Date :NA
(62) Divisional to Application :NA
Number :NA
Filing Date :NA

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(57) Abstract :
Machine Learning based technique integrated with Six Sigma Methodologies for Predicting the Stress of Employees in an Organization is the proposed invention. The proposed invention focuses on reducing the stress induced on employees by monitoring their tasks and grading the tasks accomplished by them. The algorithms of machine learning are used for predicting their stress. The six sigma methodologies are used for improving the work ability of employees.

No. of Pages : 12 No. of Claims : 4



202211059361 Published Dr. Moiz Akhtar Dr. Uzmi Anjum

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211059361 A

(19) INDIA

(22) Date of filing of Application :18/10/2022

(43) Publication Date : 28/10/2022

(54) Title of the invention : BLOCKCHAIN BASED TECHNIQUE TO FACILITATE SECURITY IN THE ONLINE TRANSACTIONS OF E-COMMERCE SITE FOR SMOOTH FINANCIAL MANAGEMENT

(51) International classification :G06Q0030060000, H04L0009320000, G06Q0020020000,
G06Q0020380000, G06Q0030010000
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
Blockchain based technique to facilitate security in the Online Transactions of E-Commerce Site for smooth Financial Management is the proposed invention. The invention focuses on designing a framework that maintains ledgers in block chain for checking the authenticity of consumers who are making payment. The proposed invention focuses on achieving security and privacy in the payment gateway of e-commerce sites.

No. of Pages : 13 No. of Claims : 4



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Ministry of Commerce & Industry,
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Application Details

APPLICATION NUMBER	202241060892
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	26/10/2022
APPLICANT NAME	1 . Tr. Perala Sudheer Paul 2 . Dr. Pallavi N 3 . Dr. Roohi 4 . Dr. M. Parthasarathy 5 . Dr. Ikechukwu Peter EJIDIKE 6 . Mr. Kotta Apparao 7 . Dr. Ashish Verma
TITLE OF INVENTION	Low cost Biodegradable plastic production using Nanotechnology
FIELD OF INVENTION	POLYMER TECHNOLOGY
E-MAIL (As Per Record)	Q3mrmanoj@gmail.com
ADDITIONAL-EMAIL (As Per Record)	Q3mrmanoj@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	04/11/2022

Application Status

APPLICATION STATUS	Awaiting Request for Examination
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[View Documents](#)

<https://ipindiaservices.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus>

1/2



US 20220373437A1

(19) **United States**

(12) **Patent Application Publication**
Ansari et al.

(10) **Pub. No.: US 2022/0373437 A1**

(43) **Pub. Date: Nov. 24, 2022**

(54) **SYSTEM FOR EVALUATING
CHEMO-PREVENTIVE POTENTIAL OF PHC
AND ITS PREPARED CHITOSAN
NANOPARTICLES**

(22) **Filed: Aug. 2, 2022**

Publication Classification

(51) **Int. CL**
G01N 1/28 (2006.01)
G01N 33/50 (2006.01)
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CPC *G01N 1/286* (2013.01); *G01N 33/5011*
(2013.01); *G01N 21/33* (2013.01); *G01N*
2001/2866 (2013.01)

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Ansari, Lucknow (IN); Anuradha
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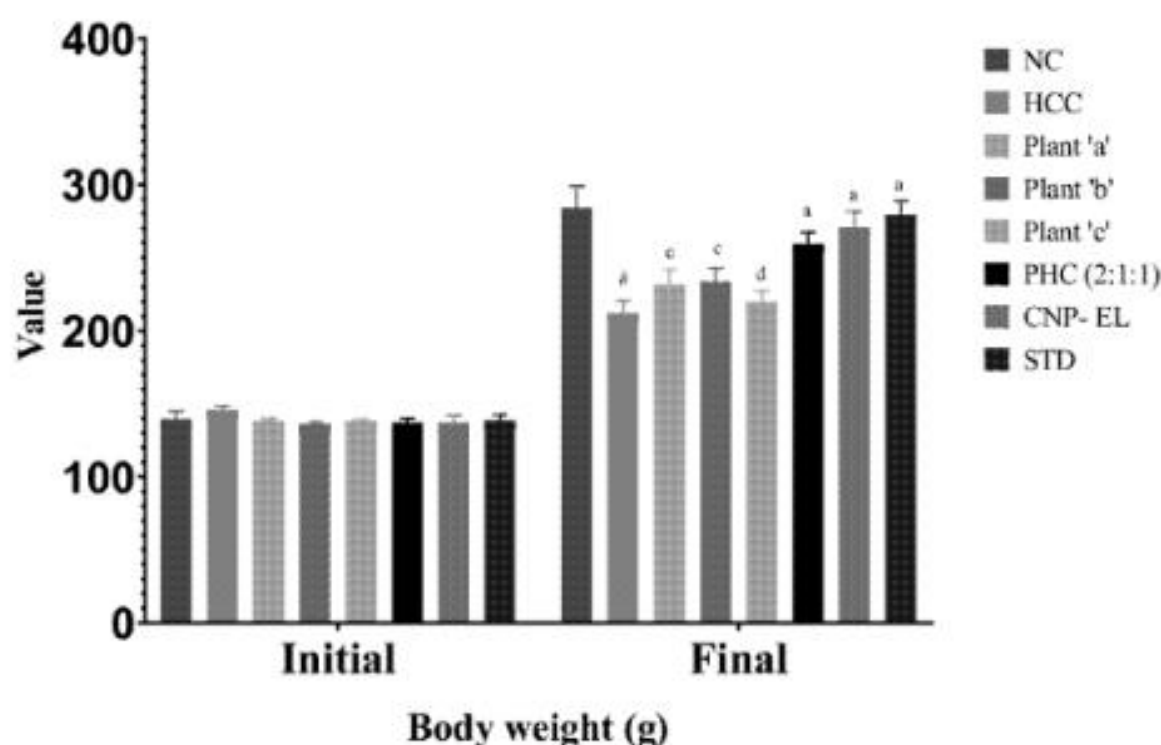
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Farooqui, Lucknow (IN)

(21) **Appl. No.: 17/816,792**

(57) ABSTRACT

A system for treating cancer and evaluating chemo-preventive potential of PHC and its prepared chitosan nanoparticles is described. The rats are divided into eight groups, from which group 1 is served as normal control, and group 2-8 are given single dose of DEN and repeated dose of CCL₄, wherein freshly prepared solution of DEN in normal saline is used for the induction of HCC in rats by administering 200 mg/kg, i.p., PHC (2:1:1) in normal saline suspension to administer at doses of 900 mg/kg, wherein serum and tissue samples are collected after anesthetizing overnight fasted rats using intraperitoneal administration of thiopentone sodium at a dose of 40 mg/kg, wherein the collected serum and tissue samples is treated and thereby the chemo-preventive potential of PHC (2:1:1) and its prepared chitosan nanoparticles is evaluated upon determining liver markers, antioxidant parameters, total bilirubin, protein, lipid peroxidation, and liver cancer biomarkers.

Body Weight (g)





202211065060 Published Mr. Zeeshan Raza Khan Prof. Syed Aqeel Ahmad

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211065060 A

(19) INDIA

(22) Date of filing of Application :14/11/2022

(43) Publication Date : 25/11/2022

(54) Title of the invention : WATER DUST SEPARATOR FOR CLOG RESISTANT WATER TRANSMISSIBLE PAVEMENTS

(51) International classification :C09D0007610000, E03F0001000000, C11D0003000000, G06Q0050260000, E02B0005080000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

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

(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

The present disclosure relates to a water-dust separator (100) for application in clog resistant water transmissible pavements in supporting sustainable urban drainage system (SUDS) (200). The water-dust separator (100) is configured such that there is no dust entry during dry days (without rainfall) and minimal dust entry during the rainfall days. The water-dust separator (100) is configured to provide a passage to rainfall discharge to traverse through porous layer of a pavement and exits to streams to recycle and utilization. The rainfall discharge exited is water free from the dust from tire of vehicles, fine aggregate transportation, travelling, and so on.

No. of Pages : 30 No. of Claims : 10



(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211064391 A

(19) INDIA

(22) Date of filing of Application :10/11/2022

(43) Publication Date : 25/11/2022

(54) Title of the invention : A SYSTEM FOR MEDICAL IMAGING AND DIAGNOSTICS USING MACHINE LEARNING AND A METHOD THEREOF

(51) International classification :G06T0005000000, G06N0020000000, A61B0005000000, G16H0050200000, A61B0006000000
(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)Prof. Rabiya Hanfi

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(57) Abstract :

A system (100) and a method (200) for medical imaging and diagnostics using machine learning, comprises of: a data acquisition module (102) for receiving at least an image of a dental matter to be examined; a pre-processing module (104) connected to the data acquisition module (102) for denoising the obtained image and enhance the received image by a denoising technique; a feature extraction module (106) for extracting a plurality of dental features to detect the dental condition of the patient; a classification module (108) for classifying the plurality of dental features into plurality of classes to determine healthy or unhealthy dental condition based on the machine learning technique; and a recommendation module (110) connected to the classification module (108) for recommending treatments to maintain a healthy tooth based on the determined dental condition by the machine learning technique.

No. of Pages : 15 No. of Claims : 10



202211066959 Published Dr. Mohd Khursheed

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211066959 A

(19) INDIA

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

(43) Publication Date : 02/12/2022

(54) Title of the invention : SYSTEM OF COORDINATED AUTOMATIC FRAMEWORK FOR MULTIPLE UNMANNED AERIAL VEHICLES AND MOBILE ROBOT USED FOR MEDICAL WASTE TRANSPORTATION

(51) International classification :G05D0001100000, H04W0036000000, G06Q0010060000, A61L0011000000, B25J0009160000 (86) International Application No :NA Filing Date :NA (87) International Publication No : NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	(71)Name of Applicant : 1)Dr. Desh Deepak Sharma Address of Applicant :Associate Professor, Department of Electrical Engineering , MJP Rohilkhand University, Bareilly 243006 Lucknow ----- 2)Ayan Sharma 3)Antas Sharma 4)Ravindra Kumar 5)Mohd. Khursheed Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Dr. Desh Deepak Sharma Address of Applicant :Associate Professor, Department of Electrical Engineering , MJP Rohilkhand University, Bareilly 243006. Lucknow ----- 2)Ayan Sharma Address of Applicant :Student, Department of Electronics Engineering , NIT Hamirpur (H.P.) Hamirpur ----- 3)Antas Sharma Address of Applicant :Student, Department of Computer Science , Bennett University , Greater Noida (U.P.) Greater Noida ----- 4)Ravindra Kumar Address of Applicant :Assistant Professor , Department of Electrical Engineering, A K G Engineering College , Ghaziabad Ghaziabad ----- 5)Mohd. Khursheed Address of Applicant :Associate Professor, Integral University, Lucknow, UP, India. Lucknow -----
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(57) Abstract :

The present invention relates to system of coordinated automatic framework for multiple unmanned aerial vehicles and mobile robot used for medical-waste transportation. The objective of the present invention is to solve the problems in the prior art related to coordinated automatic framework for multiple unmanned aerial vehicles control. The present invention discloses an intelligent automatic framework for multi-drone mobile robot system concentrates to obtain optimal routing, seamless handover, and improved energy efficiency for medical waste transportation.

No. of Pages : 27 No. of Claims : 6



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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202221071843 A

(19) INDIA

(22) Date of filing of Application :13/12/2022

(43) Publication Date : 23/12/2022

(54) Title of the invention : A SYSTEM AND METHOD FOR FACE DETECTION AND RECOGNITION USING MACHINE LEARNING AND WSN

(51) International classification :G06K0009620000, H04L0067100000, A63B0024000000, G06N0020000000, G06F0003120000
(86) International Application No :NA
Filing Date :NA
(87) International Publication No :NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :
The face detection and recognition system comprises a camera(102) for capturing sparse image data and sending the sparse image data and metadata received from a cloud server(104) to a central node(108) using a communication device(106); a pre-processor(110) for extracting semantic forms and compressing data from the images in the feature domain using a semantic abstraction for generating sparse image data describing low-level features based on compressed image data and generating actionable insights based on the semantic abstraction; a training unit(112) for training a support vector machine based on sparse image data and metadata; and a central processor(114) for detecting a face/object in one particular category in an image and extracting a frame portion including a face/object in one of the categories from a frame of the image using the support vector machine for detecting and recognizing the face/object upon comparing the sparse image data and threshold images from the metadata.

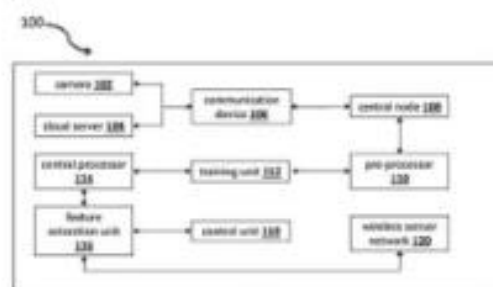


Figure 1

No. of Pages : 16 No. of Claims : 10



372460-001 Published Ms. Roshan Jahan

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Office of the Controller General of Patents, Designs & Trade Marks
Department for Promotion of Industry and Internal Trade

Designs

Design Application Details

Application Number:
372460-001

CBR Number:
207152

CBR Date:
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Applicant Name:
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5. Dr. Varshali Jaiswal

Design Application Status

Application Status:
Design Accepted and Published, Journal No is 01/2023 and Journal Date is 06/01/2023

[Back](#)

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:
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7/12/2026