Centurion
UNIVERSITY
Shaping Lives...
Empowering Communities...

YEAR WISE E-COPIES OF PATENTS PUBLISHED/GRANTED IN THE LAST FIVE YEARS (2017-22)

Sl.No	Academic Year	Page Number	Number of Patents
1	2021-22	2-61	54
2	2020-21	62-104	41
3	2019-20	105-108	04
4	2018-19	109	01
5	2017-18	110	01
		TOTAL	101

Anita Patra

Registrar, CUTM

REGISTRAR
Centurion University of
Technology & Management
ODISHA

2021-22 1

Australian Government
IP Australia

CERTIFICATE OF GRANT
INNOVATION PATENT

Patent number: 2021103987

The Commissioner of Patents has granted the above patent on 6 April 2022, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Kuldip Singh of Centurion University of Technology and, Management, Ramchandrapur, P.O. – Jatni, Bhubaneswar Dist: Khurda Odisha 752050 India

Satyasis Mishra of Centurion University of Technology and, Management, Ramchandrapur, P.O. – Jatni, Bhubaneswar Dist: Khurda Odisha 752050 India

Ramesh Chandra Mohanty of Centurion University of Technology and, Management, Ramchandrapur, P.O. – Jatni, Bhubaneswar Dist: Khurda Odisha 752050 India

Madhusmita Shial of Centurion University of Technology and, Management, Ramchandrapur, P.O. – Jatni, Bhubaneswar Dist: Khurda Odisha 752050 India

Susanta Kumar Biswal of Centurion University of Technology and, Management, Ramchandrapur, P.O. – Jatni, Bhubaneswar Dist: Khurda Odisha 752050 India

Title of invention:

A RPMS SYSTEM FOR POWER MANAGEMENT AND POWER QUALITY IMPROVEMENT OF ISOLATED HYBRID MICROGRID

Name of inventor(s):

Singh, Kuldip

Term of Patent:

Eight years from 8 July 2021

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

COMMONWEALTH OF AUSTRALIA
AUSTRALIA
PATENT OFFICE

Dated this 6th day of April 2022

Commissioner of Patents

PATENTS ACT 1990

2

Australian Government

IP Australia

CERTIFICATE OF GRANT

INNOVATION PATENT

Patent number: 2021103884

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

Name and address of patentee(s):

Asif Basha Shaik of 22 Glenroy Road Glenroy VIC 3046 Australia

Satyasis Mishra of Centurion University of Tech and Mgmt Bhubaneswar Odisha 751009 India

Sreelekha Panda of Research Scholar, Centurion University of Tech and Mangmnt Bhubaneswar Odisha India

Mihir Narayan Mohanty of SOA University Bhubaneswar Odisha India

Title of invention:

Epileptic Seizure Detection and Classification Using HOG feature based MSCA-ELM Model and Embedded Prototype Development

Name of inventor(s):

Mishra, Satyasis; Panda, Sreelekha; Mohanty, Mihir Narayan and Shaik, Asif Basha

Term of Patent:

Eight years from 6 July 2021

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

COMMONWEALTH OF AUSTRALIA AUSTRALIA PATENT OFFICE

Dated this 23rd day of March 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.

Australian Government
IP Australia

Register of Patents

Patents Act 1990

Innovation Patent

Patent no: 2021103371

Patentee(s):
Shah, Vrushank DR of Electronics and Communication Department Indus Institute of Technology and Engg. Ahmedabad Gujarat 382115 India
Arvindbhai Jani, Keyurbhai PROF of Gujarat Technological University Ahmedabad Gujarat 382424 India
Kumar, Ashwani DR of Department of Pharmaceutical Sciences Gurukul Kangri (Deemed to be University) Haridwar Uttarakhand 249404 India
Virmani, Tarun DR of School of Pharmaceutical Sciences MVN University Palwal Haryana 121105 India
Das, Shiv DR of Zenith School of Management Bhubaneswar Odisha 760002 India
Behera, Debashree PROF of Mechanical Engineering Department Centurion University of Tech. & Mgmt. Bhubaneswar Odisha 751009 India
Dahiya, Saurabh DR of DIPSAR (Govt. of NCT of Delhi) Sector 3 Pushp Vihar New Delhi 110017 India
Chadha, Hina PROF of Department of Pharmacy Vishveshwarya Groups of Institution Greater Noida 203207 India
Raksha, . Prof of B S Anangpuria Institute of Pharmacy Alampur Ballabhgarh Faridabad 121004 India
Chaubey, Nirbhay DR of Department of Computer Science Ganpat University Mehsana Gujarat 384012 India
Goel, Kapil of Department of Pharmaceutical Sciences Gurukul Kangri(Deemed to Be University) Haridwar Uttarakhand 249404 India
Singhal, Peeush DR of Department of Pharmaceutical Sciences Gurukula Kangri(Deemed to be University) Haridwar Uttarakhad 249404 India

Inventor(s):
Dahiya, Saurabh
Chaubey, Nirbhay
Das, Shiv
Virmani, Tarun
Kumar, Ashwani
Arvindbhai Jani, Keyurbhai
Shah, Vrushank
Raksha
Chadha, Hina
Behera, Debashree
Singhal, Peeush
Goel, Kapil

Title:
SOLAR ASSISTED IOT BASED AUTOMATIC VERTICAL MEDICINAL PLANT CULTIVATION OF CRITICALLY ENDANGERED PLANT NARDOSTACHYS JATAMANSI

Term:
Eight years from 15 June 2021

Date Granted:
9 March 2022

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

INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

Application Details	
APPLICATION NUMBER	202131050687
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	04/11/2021
APPLICANT NAME	1 . Dr.Rabinarayan Satpathy 2 . Mr.Nancharaiah Vejendla 3 . Dr.I.Suneetha 4 . Dr.N.Pushpalatha 5 . Prof.Bibhuti Bhusan Dash 6 . Dr.Sushma Jaiswal 7 . Mr.Tarun Jaiswal 8 . Prof. Utpal Chandra De 9 . Dr.Ashish Kumar Sarangi 10 . Dr.Ranjan Kumar Mohapatra
TITLE OF INVENTION	A SYSTEM BASED ON DEEP LEARNING THREE-DIMENSIONAL PIPELINE RECONSTRUCTION AND METHOD THEREOF
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	tumula.githam@gmail.com
ADDITIONAL-EMAIL (As Per Record)	tumula.githam@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	10/12/2021

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202141049308 A

(19) INDIA

(22) Date of filing of Application :28/10/2021

(43) Publication Date : 05/11/2021

(54) Title of the invention : A SYSTEM FOR ENCODING AND DECODING DATA USING CLOUD COMPUTING AND METHOD THEREOF

(51) International classification :H04N0019176000, H04N0019440000, G06T0017200000, H04N0019700000, H04N0019170000

(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.R.Tamilkodi
Address of Applicant :Professor, Department of Computer Appliations, Godavari Institute of Engineering and Technology (Autonomous), Rajahmundry, Andhra Pradesh, India. Pin Code:533296 ---------- ----------
2)Dr.Shailk Saidhbi
3)Dr.C.Arunkumar Madhuvappan
4)Dr.Smita Rani Parija
5)Dr.Ranjan Kumar Mohapatra
6)Dr.Ashish Kumar Sarangi
7)Dr.M.Padmanaban
8)Dr.D.Lakshminarayanan
9)Dr.Sushma Jaiswal
10)Dr.S.Ravichandran
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)Dr.R.Tamilkodi
Address of Applicant :Professor, Department of Computer Appliations, Godavari Institute of Engineering and Technology (Autonomous), Rajahmundry, Andhra Pradesh, India. Pin Code:533296 ---------- ----------
2)Dr.Shailk Saidhbi
Address of Applicant :Associate Professor, Department of Computer Science, Samara University, Ethiopia. Po.Box:132 ---------- ----------
3)Dr.C.Arunkumar Madhuvappan
Address of Applicant :Assistant Professor, Department of ECE, Vinayaka Mission's Kirupananda Variyar Engineering College, Salem, Tamil Nadu, India. Pin Code:636308 ---------- ----------
4)Dr.Smita Rani Parija
Address of Applicant :Associate Professor, Department of ECE, C.V. Raman Global University, BBSR, Odisha, India. Pin Code:752054 ---------- ----------
5)Dr.Ranjan Kumar Mohapatra
Address of Applicant :Department of Chemistry, Government College of Engineering, Keonjhar, Odisha, India. Pin Code:758002 ---------- ----------
6)Dr.Ashish Kumar Sarangi
Address of Applicant :Department of Chemistry, School of Applied Sciences, Centurion University of Technology and Management, Balangir Campus, Odisha, India. Pin Code:767001 ---------- ----------
7)Dr.M.Padmanaban
Address of Applicant :Assistant Professor in Computer Science Department, DRBCCC HINDU College, Dharmamurthy Nagar, Pattabiram, Chennai, Tamil Nadu, India. Pin Code:600072 ---------- ----------
8)Dr.D.Lakshminarayanan
Address of Applicant :Head, Department of Computer Science, DRBCCC HINDU College, Dharmamurthy Nagar, Pattabiram, Chennai, Tamil Nadu, India. Pin Code:600072 ---------- ----------
9)Dr.Sushma Jaiswal
Address of Applicant :Assistant Professor, Department of Computer Science & Information Technology (CSIT), Guru Ghasidas Vishwavidyalaya (A Central University), Koni, Bilaspur, Chhattisgarh, India. Pin Code: 495009 ---------- ----------
10)Dr.S.Ravichandran
Address of Applicant :HOD & Professor in PG - Computer Science Department, Shree Chandraprabhu Jain College, Minjur, Chennai, Tamil Nadu, India. Pin Code:601203 ---------- ----------

(57) Abstract :
[034] The present invention discloses a system for Encoding and Decoding Data Using Cloud Computing and method thereof. The system includes, but not limited to, an encoding syntax data information provided on a cloud computing in a quantized space from a coded bitstream, wherein the syntax data information comprising dividing information and adaptive geometry quantization information for a bounding box of the point cloud; a decoder provided on a cloud computing in a quantized space from a coded bitstream, and dividing a bounding coded unit of the point cloud into a plurality of parts based on the dividing the data information; a processing unit configured to determine quantization parameters for the parts in a bounding coded unit based on the adaptive geometry quantization information; and reconstructing a plurality of points in each of the parts in the bounding coded unit of the point cloud based on the quantization parameter for the respective part in the bounding coded unit. Accompanied Drawing [FIG. 1]

No. of Pages : 23 No. of Claims : 10

6

Australian Government

IP Australia

CERTIFICATE OF GRANT

INNOVATION PATENT

Patent number: 2021105189

The Commissioner of Patents has granted the above patent on 27 October 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Raj Kumar Joshi of Department of Biotechnology, Rama Devi Women's University Bhubaneswar Odisha 751022 India

Rukmini Mishra of Department of Botany, School of Applied Sciences, Centurion University of Technology and Management Odisha India

Title of invention:

A METHOD FOR CREATING NOVEL ANTHRACNOSE RESISTANT PEPPER PLANTS USING GENOME MODIFICATION TECHNIQUE

Name of inventor(s):

Joshi, Raj Kumar; Mishra, Rukmini; Mohanty, Jatindra Nath and Mahanty, Bijayalaxmi

Term of Patent:

Eight years from 9 August 2021

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

COMMONWEALTH OF AUSTRALIA AUSTRALIA PATENT OFFICE

Dated this 27th day of October 2021

Commissioner of Patents

PATENTS ACT 1990

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

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

सत्यमेव जयते

INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

Application Details	
APPLICATION NUMBER	202131042186
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	17/09/2021
APPLICANT NAME	1 . Dr. Harish Chandra Mohanta 2 . Mr.Dillip Kumar Mohanta 3 . Dr.S.Susila Sakthy 4 . Mr.Venkateswara Rao Roniki 5 . Dr.Sangeeta Gupta 6 . Mrs.P.Neelima 7 . Dr.Sushma Jaiswal 8 . Mr.Tarun Jaiswal 9 . Dr.Ganganagunta Srinivas 10 . Dr.Animesh Kumar Sharma
TITLE OF INVENTION	HYBRID STATISTICAL MODEL TO DISTRIBUTED SERVER ON CLOUD COMPUTING ENVIRONMENT
FIELD OF INVENTION	COMMUNICATION
E-MAIL (As Per Record)	harishmohanta@cutm.ac.in
ADDITIONAL-EMAIL (As Per Record)	tumula.githam@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	22/10/2021

Australian Government
IP Australia

Register of Patents

Patents Act 1990

Innovation Patent

Patent no: 2021104564

Patentee(s):

Vedik, B. of Assistant Professor Dept. of Electrical Engineering S R University, Warangal Urban Telangana 506371 India
Shiva, Chandan Kumar of Assistant Professor Dept. of Electrical & Electronics Engg. SR University Warangal Telangana 506371 India
Yadav, Sachin of Professor Dept. of Computer Science & Engineering G L Bajaj Inst. of Tech. & Management Greater Noida 201306 India
Yadav, Ranjeeta of Assistant Professor Dept. of Electronics & Comm. Engineering ABES Engineering College Ghaziabad Uttar Pradesh 201209 India
Tewari, Ranjana of Associate Professor Genetics & Plant Breeding Dept.of Agriculture, Sanskriti University Mathura U.P. 282006 India
Singh, Rana of Professor Department of Management Sanskriti University, Chatta Mathura Uttar Pradesh 282006 India
Yadav, Deepika of Assistant Professor Dept. of Electrical & Electronics Engg. SRM University Sonepat 131029 India
Raj, Saurav of Assistant Professor Dept. of Electrical Engineering Inst. of Chemical Technology Marathwada Campus, Jalna Maharashtra 431203 India
Mahapatra, Sheila of Associate Professor Dept. of Electrical & Electronics Engg. Alliance University Bangalore 562106 India
Singh, Saubhagyalaxmi of Assistant Professor Dept. of Mathematics Centurion University of Tech.&Management Odisha 752054 India
Siddique, Mohammed of Associate Professor Dept. of Mathematics Centurion University of Tech.&Management Odisha 752054 India
Hemalatha, S. of Professor Dept. of Computer Science & Engineering Panimalar Inst. of Technology, Chennai Tamil Nadu 600123 India
Mohanty, Dipak Kumar of Assistant Professor School of Computer Engineering Kalinga Inst. of Industrial Technology Deemed to be University, Bhubaneswar Odisha 752024 India

Inventor(s):

Hemalatha, S.
Mohanty, Dipak Kumar
Siddique, Mohammed
Singh, Saubhagyalaxmi
Mahapatra, Sheila
Raj, Saurav
Vedik, B.
Shiva, Chandan Kumar
Yadav, Sachin
Yadav, Ranjeeta
Tewari, Ranjana
Singh, Rana
Yadav, Deepika

Title:

SMART FRAMEWORK FOR PROVIDING PRIVACY AND PROTECTION IN BLOCK CHAIN BASED PRIVATE TRANSACTIONS USING CLOUD COMPUTING APPROACH

Term:

Eight years from 26 July 2021

Date Granted:	8 September 2021
Date Certified:	
Date of Patent:	26 July 2021
Status:	GRANTED
Expiry Date:	26 July 2029
Date Ceased:	
Date Revoked:	

Australian Government
IP Australia

CERTIFICATE OF GRANT
INNOVATION PATENT

Patent number: 2021104155

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

Name and address of patentee(s):

Rukmini Mishra of Department of Botany, School of Applied Sciences, Centurion University of Technology and Management Odisha India

Raj Kumar Joshi of Department of Biotechnology, Rama Devi Women's University, Bhubaneswar Odisha 751022 India

Title of invention:

METHOD FOR MOLECULAR MAPPING AND DEVELOPING DIAGNOSTIC MARKERS FOR DETECTING ANTHRACNOSE RESISTANCE IN CHILI PEPPER

Name of inventor(s):

Mishra, Rukmini; Joshi, Raj Kumar; Rout, Ellojita and Mohanty, Jatindra Nath

Term of Patent:

Eight years from 14 July 2021

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

COMMONWEALTH OF AUSTRALIA
AUSTRALIA
PATENT OFFICE

Dated this 25th day of August 2021

Commissioner of Patents

PATENTS ACT 1990

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.202141033481 A

(43) Publication Date : 06/08/2021

(54) Title of the invention : INTELLIGENT SYSTEM FOR SATELLITE COMMUNICATION FROM MOBILE DEVICES TO PUBLIC LAND MOBILE NETWORKS USING IOT & METHOD THEREOF

(51) International classification	:H04B0007185000, H04L0029080000, H04W0088180000, H01Q0021060000, H04W0004060000
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)Mrs. Ayesha Siddiqa
Address of Applicant :Assistant Professor, Department of Computer Science & Engineering,Shadan Womens College of Engineering & Technology, Khairtabad, Hyderabad, India Telangana India
2)Vishal Dattana
3)Dr. Mohammed Siddique
4)Dr. Harish Chandra Mohanta
5)Mrs. Surekha Ashish Urkude
6)Dr. Ashish Manohar Urkude
7)Devesh Bathla
8)Dr.Vibhor Paliwal
9)Dr. Sharmila Gaikwad
10)Dr. Amandeep Singh
11)V.Sridhar
(72)**Name of Inventor :**
1)Mrs. Ayesha Siddiqa
2)Vishal Dattana
3)Dr. Mohammed Siddique
4)Dr. Harish Chandra Mohanta
5)Mrs. Surekha Ashish Urkude
6)Dr. Ashish Manohar Urkude
7)Devesh Bathla
8)Dr.Vibhor Paliwal
9)Dr. Sharmila Gaikwad
10)Dr. Amandeep Singh
11)V.Sridhar

(57) Abstract :
The present invention relates to intelligent system for satellite communication from mobile devices to public land mobile networks using IOT & method thereof. The objective of the present invention is to solve the problems in the prior art technologies related to satellite communication from mobile devices to public land mobile networks

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

Australian Government
IP Australia

CERTIFICATE OF GRANT
INNOVATION PATENT

Patent number: 2021104634

The Commissioner of Patents has granted the above patent on 20 April 2022, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Asif Basha Shaik of 22 Glenroy Road Glenroy VIC 3046 Australia

Satyasis Mishra of Centurion University of Tech and Mgmt Bhubaneswar Odisha 751009 India

Debendra Kumar Sahoo of Research Scholar, Centurion University of Tech and Mangmnt Bhubaneswar Odisha India

Davinder singh Rathee of Maharaja Agarsen University Baddi Himachal Pradesh India

Harish Kalla of Adama Science and Technology University Adama Ethiopia

Tiruveedula Gopikrishna of Adama Science and Technology University Adama Ethiopia

Mihir Narayan Mohanty of SOA University Bhubaneswar Odisha India

Pankaj Nagila of Maharaja Agarsen University, Baddi Baddi Himachal Pradesh India

Title of invention:

Prototype for Detection and Classification of Brain Tumor using CNN feature-based LLRBFNN Model

Name of inventor(s):

Mishra, Satyasis; Sahoo, Debendra Kumar; Rathee, Davinder singh; Kalla, Harish; Gopikrishna, Tiruveedula; Narayan Mohanty, Mihir; Nagila, Pankaj and Shaik, Asif Basha

Term of Patent:

Eight years from 27 July 2021

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

COMMONWEALTH OF AUSTRALIA
AUSTRALIA
PATENT OFFICE

Dated this 20th day of April 2022

Commissioner of Patents

12

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/06/2021

(21) Application No.202131028359 A

(43) Publication Date : 16/07/2021

(54) Title of the invention : METHODS AND SYSTEMS FOR AGRICULTURAL WORK BY SMART AGRICULTURE FIELD BOUNDARY WITH AI & ICT

(51) International classification	:A01B0079000000, G06Q0050020000, A01B0069040000, G06T0005000000, A01D0041127000
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
1)DR.SATYABRATA DASH
Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING,RAMACHANDRA COLLEGE OF ENGINEERING(RCE),NH-16 BYPASS ROAD,VATLURU(V),ELURU,534007,WEST GODAVARI DT.,A.P.,INDIA
2)DR.VADHRI SURYANARAYANA
3)DR.RABI NARAYAN SATHAPATHY
4)DR.JARABALA RANGA
5)MR.BARADA P.PANIGRAHY
6)DR.SUBASH CHANDRA NATH
7)DR.S.JAYA LAKSHMI
8)DR.SUJATA CHAKARVARTY
9)DR.HEMRAJ SAINI
10)DR.SUSANTA KUMAR ROUT

(72)**Name of Inventor :**
1)DR.SATYABRATA DASH
2)DR.RABI NARAYAN SATHAPATHY
3)DR.JARABALA RANGA
4)MR.BARADA P.PANIGRAHY
5)DR.SUBASH CHANDRA NATH
6)DR.VADHRI SURYANARAYANA
7)DR.S.JAYA LAKSHMI
8)DR.SUJATA CHAKARVARTY
9)DR.HEMRAJ SAINI
10)DR.SUSANTA KUMAR ROUT

(57) Abstract :
The present invention relates to monitoring, controlling and analyzing the today's farming environment through smart devices in the agriculture field without creating any harm to human being or animals and also it will not create any environmental pollution. More specifically it relates to the agriculture land safety using loT devices with cost efficient real time surveillance.

No. of Pages : 14 No. of Claims : 9

Australian Government
IP Australia

CERTIFICATE OF GRANT
INNOVATION PATENT

Patent number: 2021102320

The Commissioner of Patents has granted the above patent on 9 June 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Sunita Satapathy of Centurion University of Tech. & Mgmt Bhubaneswar Odisha India

Yashaswi Nayak of Associate Professor and Dean, Zoology, School of Applied Sciences, Centurion University of Tech and Mgmt Bhubaneswar Odisha India

Kunja Bihari Satapathy of Professor Emeritus, Botany, School of Applied Sciences, Centurion University of Tech and Mgmt Bhubaneswar Odisha India

Susanta Kumar Biswal of Professor, Chemistry, School of Applied Sciences, Centurion University of Tech. & Mgmt Bhubaneswar Odisha India

Satyasis Mishra of Professor, Electronics & Communication Engineering, Centurion University of Tech and Mgmt Bhubaneswar Odisha India

Title of invention:

Soil fertility in vermicomposting prediction utilizing WCA based Deep CNN-Model for the agricultural-domain

Name of inventor(s):

Satapathy, Sunita; Nayak, Yashaswi; Satapathy, Kunja Bihari; Biswal, Susanta Kumar and Mishra, Satyasis

Term of Patent:

Eight years from 2 May 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.

COMMONWEALTH OF AUSTRALIA
AUSTRALIA
PATENT OFFICE

Dated this 9th day of June 2021

Commissioner of Patents

PATENTS ACT 1990

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

सत्यमेव जयते

INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

Application Details

APPLICATION NUMBER	202231004407
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	27/01/2022
APPLICANT NAME	1 . Ms. ANITA PRITAM 2 . Mr. BIBHU PRASAD GANTHIA 3 . Mr. MANAS RANJAN PADHI 4 . Mr. ASUTOSH PARIDA 5 . Mr. SIBASIS HARIHAR SAHU 6 . Ms. LIPIKA MISHRA
TITLE OF INVENTION	AN ECONOMICALLY LOW COST INTEGRATED MODEL FOR THE HYBRIDIZATION AND ELECTRIC TRANSFORMATION OFCARS AND ADDED MECHATRONIC VEHICLES
FIELD OF INVENTION	ELECTRONICS
E-MAIL (As Per Record)	anitapritam@gmail.com
ADDITIONAL-EMAIL (As Per Record)	anitapritam@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	18/02/2022

Application Status

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/04/2022

(21) Application No 202241021062 A

(43) Publication Date : 22/04/2022

(54) Title of the invention : Launching System and Method for Bridge Construction Using Pre-Stressed Structures

(51) International classification :E01D0021000000, E01D0021060000, E01D0015120000, E01D0019120000, E01D0101280000

(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)Centurion University of Technology & Management (CUTM)

Address of Applicant :Tekkali Village, Nellimarla Mandal, Vizianagaram, Andhra Pradesh, India – 535003 ---------- ---------- -

Name of Applicant : NA

Address of Applicant : NA

(72)**Name of Inventor :**

1)Dr. M.L.N.Acharyulu

Address of Applicant :# 1-67-27/1/1, Near Girijan Corporation Guest House, M.V.P.Colony, Visakhapatnam-530017, Andhra Pradesh, India ---------- ----------

(57) Abstract :

ABSTRACT: Title: Launching System and Method for Bridge Construction Using Pre-Stressed structures The present disclosure proposes a launching system and method for bridge construction using pre-stressed structures. The launching system comprises plurality of pre-stressed structures 102, a bridge launching unit 104, and a bridge receiving unit 108. The proposed launching system and method provides an effective bridge construction in case of emergency with no heavy machinery and minimum labour. The proposed low-cost bridge construction aids in the fast restoration of traffic and causes less inconvenience to the public during emergencies. The proposed launching system for bridge construction method allows for faster bridge construction in case of emergency situations such as heavy floods or any incidents.

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

PATENT REGISTER SHEET

REPUBLIC OF SOUTH AFRICA	REGISTER OF PATENTS	PATENTS ACT, 1978

Official application No.	Lodging date: Provisional	Acceptance date
21 01 2021/10561	22	47 2022/03/30
International classification	Lodging date: Complete	Granted date
51 B09C	23 2021/12/17	2022/05/25

71 Full name(s) of applicant(s)/Patentee(s):

CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT
Centurion University of Technology and Management~Odisha 752050, India

71 Applicant substitued:	Date registrered
71 Assignee(s):	Date registrered

72 Full name(s) of inventor(s):

SAHOO, Shraban Kumar
PANIGRAHI, Gagan Kumar
PRADHAN, Arun Kumar
SAHOO, Annapurna
SATAPATHY, Kunja Bihari
DALBEHERA, Anuesha

Priority claimed:	Country	Number	Date

54 Title of invention

A SYSTEM FOR SYNTHESIZING ZNO-ZNFE2O4 NANOPARTICLES AND INVESTIGATING THEIR ROLE IN THE WASTE WATER REMEDIATION

Address of applicant(s)/patentee(s):

Centurion University of Technology and Management~Odisha 752050
INDIA

74 Address for service

Wolmarans and Susan Inc.
Corner of Barry Hertzog Avenue and Empire Road, Johannesburg, 2092
SOUTH AFRICA
Reference No.

61 Patent of addition No.	Date of any change
Fresh application based on.	Date of any change

RENEWAL SHEET

Year	Payment Date	Receipt Number	Amount

HISTORY SHEET

Date entry made	Description
2021-12-20	Proof reading performed automatically
2021-12-20	Request for the acceptance of a Patent electronically filed on 17/12/2021, numbered 2021/10561
2022-03-30	Application accepted on 30/3/2022.
2022-05-24	Correction of clerical errors consisting of to correct the applicant address filed on 24/02/2022, by CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT.
2022-05-26	Patent advertised on 25-05-2022.
2022-05-26	Patent granted on 25-05-2022.

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

सत्यमेव जयते

INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS GEOGRAPHICAL INDICATIONS

Application Details	
APPLICATION NUMBER	202231023168
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	20/04/2022
APPLICANT NAME	1 . Dr. Ramesh Chandra Mohapatra 2 . Mr.Adiraj Behera 3 . Dr.Venkataramana Kandi 4 . Dr.Azaj Ansari 5 . Dr.Ashwani Kumar Sharma 6 . Dr.Taghreed Hashim Al-Noor 7 . Dr.Marei M. El-ajaily 8 . Dr. Khalil El-Hami 9 . Dr.Ashish Kumar Sarangi 10 . Dr. Ranjan Kumar Mohapatra
TITLE OF INVENTION	A MACHINE LEARNING BASED INTEGRATED IOT HEALTHCARE SYSTEM FOR CANCER CARE WITH WSN MODULES AND METHOD THEREOF
FIELD OF INVENTION	COMMUNICATION
E-MAIL (As Per Record)	tumula.githam@gmail.com
ADDITIONAL-EMAIL (As Per Record)	tumula.githam@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	20/05/2022

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :02/03/2022

(21) Application No.202241011193 A

(43) Publication Date : 11/03/2022

(54) Title of the invention : MACHINE LEARNING APPROACH TO ANALYZE THE POSITIVE TRAITS RELATED TO STOCK TRADING

(51) International classification :G06Q0040040000, G06K0009620000, G06N0020000000, G06N0003080000, C12Q0001180000

(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.GALI NAGESWARARAO
Address of Applicant :PROFESSOR, DEPARTMENT OF INFORMATION TECHNOLOGY, ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT TEKKALI, SRIKAKULAM 532201 ---------- ----------
2)DR. KULDEEP AGNIHOTRI
3)DR YUVARAJ DURAISAMY
4)DR SHIPRA SHIVKUMAR YADAV
5)NAVEEN CHAKRAVARTHY SATTARU
6)DR BABLI DHIMAN
7)KAPALE NAMDEO DADA
8)MOHAN RAJU NESE
9)ANIL KUMAR BHUYAN
10)DR. ANAND SINGH RAJAWAT
11)DR.S.DEEPAJOTHI
12)DIPAN KUMAR DAS
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)DR.GALI NAGESWARARAO
Address of Applicant :PROFESSOR, DEPARTMENT OF INFORMATION TECHNOLOGY, ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT TEKKALI, SRIKAKULAM 532201 ---------- ----------
2)DR. KULDEEP AGNIHOTRI
Address of Applicant :ASSOCIATE PROFESSOR & HOD (DEPARTMENT OF MANAGEMENT), MODERN INSTITUTE OF PROFESSIONAL STUDIES, INDORE ---------- ----------
3)DR YUVARAJ DURAISAMY
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE,CIHAN UNIVERSITY - DUHOK, KURDISTAN REGION,IRAQ ---------- ----------
4)DR SHIPRA SHIVKUMAR YADAV
Address of Applicant :RESEARCHER/ COMPUTER SCIENCE/ INTER INSTITUTIONAL COMPUTER CENTRE/440023/ ---------- ----------
5)NAVEEN CHAKRAVARTHY SATTARU
Address of Applicant :PHD SCHOLAR, LOVELY PROFESSIONAL UNIVERSITY, 144402 ---------- ----------
6)DR BABLI DHIMAN
Address of Applicant :PROFESSOR, LOVELY PROFESSIONAL UNIVERSITY, 144402 ---------- ----------
7)KAPALE NAMDEO DADA
Address of Applicant :ASSISTANT PROFESSOR,ECE DEPARTMENT,SANJIVANI COLLEGE OF ENGINEERING, KOPARGAON 423603 ---------- ----------
8)MOHAN RAJU NESE
Address of Applicant :ASSISTANT PROFESSOR, ECE DEPT. , RAJIV GANDHI UNIVERSITY OF KNOWLEDGE TECHNOLOGIES , YSR KADAPA, 516330. ---------- ----------
9)ANIL KUMAR BHUYAN
Address of Applicant :RESEARCH SCHOLAR, SCHOOL OF MANAGEMENT, BIRLA GLOBAL UNIVERSITY BHUBANESWAR ---------- ----------
10)DR. ANAND SINGH RAJAWAT
Address of Applicant :ASSOCIATE PROFESSOR , SCHOOL OF COMPUTER SCIENCE & ENGINEERING , SANDIP UNIVIESITY , NASHIK , MAHARSHTRA , INDIA -442213 ---------- ----------
11)DR.S.DEEPAJOTHI
Address of Applicant :ASSOCIATE PROFESSOR, CSE DEPARTMENT, NAGARJUNA COLLEGE OF ENGINEERING AND TECHNOLOGY, BANGALORE -562110 ---------- ----------
12)DIPAN KUMAR DAS
Address of Applicant :CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, PHD APPLIED PHYSICS RESEARCH SCHOLAR, BHUBANESWAR, 761211 ---------- ----------

(57) Abstract :
Machine learning approach to analyse the positive traits related to stock trading is the proposed invention. The invention focuses on studying the positive aspects of stock trading since they have many negative attributes as well. The proposed invention trains a machine learning model and implements the invention using algorithms of classification and prediction.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/02/2022

(21) Application No.202211010470 A

(43) Publication Date : 11/03/2022

(54) Title of the invention : IN SILICO BASED STUDY TO PREDICT AND ANALYSE DRUG MOLECULES FOR TARGETING CANCEROUS CELLS

(51) International classification :A61K0039395000, A61K0047600000, G16B0015000000, A61K0009127000, A61K0031470900

(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 SURENDRA KUMAR YADAV
Address of Applicant :VICE PRESIDENT, SOCIETY FOR ENVIRONMENT AND SUSTAINABLE DEVELOPMENT, NEW DELHI, INDIA. ---------- ----------
2)DIPAN KUMAR DAS
3)DEEPAK KASHYAP
4)RANJIT KUMAR PUSE
5)THORAT SUKDEO KISAN
6)MUKUND SALUNKE SALUNKE
7)ROHIT CHANDRAKANT MUTHE
8)DR. MITHUN BHOWMICK
9)DR. GAVHANE VRUSHALI SOMANATH
10)DR. P. SELVAKUMAR
11)DR SONU MISHRA
12)DR VIRENDRA GOMASE
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)DR SURENDRA KUMAR YADAV
Address of Applicant :VICE PRESIDENT, SOCIETY FOR ENVIRONMENT AND SUSTAINABLE DEVELOPMENT, NEW DELHI, INDIA. ---------- ----------
2)DIPAN KUMAR DAS
Address of Applicant :CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, PHD APPLIED PHYSICS RESEARCH SCHOLAR,CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, BHUBANESWAR, 761211 ---------- ----------
3)DEEPAK KASHYAP
Address of Applicant :ASSISTANT PROFESSOR, SANJIVANI INSTITUTE OF PHARMACY, BELTUKARI, GANIYARI, BILASPUR - 495112, CHHATTISGARH, INDIA ---------- ----------
4)RANJIT KUMAR PUSE
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHYSICAL SCIENCE-CHEMISTRY,RABINDRANATH TAGORE UNIVERSITY,BHOPAL,464993 ---------- ----------
5)THORAT SUKDEO KISAN
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHYSICS,ADV. M.N DESHMUKH COLLEGE RAJUR 422604. ---------- ----------
6)MUKUND SALUNKE SALUNKE
Address of Applicant :ASSOCIATES PROFESSOR,DEPARTMENT OF CHEMISTRYADV.M.N.DESHMUKH ART'S SCIENCE AND COMMERCE COLLEGE RAJUR TAL- -AKOLE DIST-AHMEDNAGAR 422604 ---------- ----------
7)ROHIT CHANDRAKANT MUTHE
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF CHEMISTRY, ADV. M. N. DESHMUKH ARTS, SCIENCE AND COMMERCE COLLEGE RAJUR, TAL-AKOLE, DIST-AHMEDNAGAR, PIN-422604 ---------- ----------
8)DR. MITHUN BHOWMICK
Address of Applicant :PRINCIPAL & PROFESSOR, BENGAL COLLEGE OF PHARMACEUTICAL SCIENCES AND RESEARCH, DURGAPUR (WB) - 713212 ---------- ----------
9)DR. GAVHANE VRUSHALI SOMANATH
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF CHEMISTRY, R.B.ATTAL ARTS, SCIENCE AND COMMERCE COLLEGE, GEORAI, DIST BEED (431127) ---------- ----------
10)DR. P. SELVAKUMAR
Address of Applicant :DR. P. SELVAKUMAR, ASSISTANT PROFESSOR, DEPARTMENT OF CHEMISTRY, DHAANISH AHMED INSTITUTE OF TECHNOLOGY, COIMBATORE, TAMILNADU, INDIA. PIN-641105 ---------- ----------
11)DR SONU MISHRA
Address of Applicant :DEPARTMENT OF BIOTECHNOLOGY, MEWAR UNIVERSITY, GANGARAR CHITTORGARH, RAJASTHAN, PIN-312901 ---------- ----------
12)DR VIRENDRA GOMASE
Address of Applicant :DEPARTMENT OF BIOTECHNOLOGY, MEWAR UNIVERSITY, GANGARAR CHITTORGARH, RAJASTHAN, PIN-312901 ---------- ----------

(57) Abstract :
In silico-based study to predict and analyses drug molecules for targeting cancerous cells is the proposed invention. The proposed invention aims at implementing in silico technique to study the targeting of drug molecules through which therapeutic treatment will be successful. The proposed invention will revolutionize the drug delivery system.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211013212 A

(19) INDIA

(22) Date of filing of Application :11/03/2022

(43) Publication Date : 18/03/2022

(54) Title of the invention : MACHINE LEARNING BASED MODEL TO PREDICT THE CHARACTERISTICS OF NEXT GENERATION BASED ON DNA SEQUENCES

(51) International classification :G06N0020000000, G06N0003080000, G05B0013040000, G16B0030000000, G06N0005000000

(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. SURENDRA KUMAR YADAV
Address of Applicant :ADVOCATE & SCIENTIFIC CONSULTANT, 37, OLD ROSHAN PURA EXTENSION, A-BLOCK, NAJAFGARH, NEW DELHI-110043, INDIA. ---------- ----------
2)DR. MOHD. SHAIKHUL ASHRAF
3)MR. GOURI SANKAR NAYAK
4)DR.S.VIJAYARANGAM
5)PROF. RESHAM BHALLA
6)M.SAMPATH PREMKUMAR
7)DR. SAMEERA SIDDIQUI
8)SUJITHRA L R
9)DR. K. MANOHARAN
10)VENKATESH.S
11)DR. S. SARAVANAN
12)DIPAN KUMAR DAS
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
1)DR. SURENDRA KUMAR YADAV
Address of Applicant :ADVOCATE & SCIENTIFIC CONSULTANT, 37, OLD ROSHAN PURA EXTENSION, A-BLOCK, NAJAFGARH, NEW DELHI-110043, INDIA. ---------- ----------
2)DR. MOHD. SHAIKHUL ASHRAF
Address of Applicant :DEPARTMENT OF BOTANY, HKM GOVT. DEGREE COLLEGE BANDIPORA, KASHMIR ---------- ----------
3)MR. GOURI SANKAR NAYAK
Address of Applicant :ASSISTANT PROFESSOR ,DEPT- CSE/IT, VIGNAN'S INSTITUTE OF INFORMATION TECHNOLOGY, VISAKHAPATNAM, 530049, ANDHRA PRADESH ---------- ----------
4)DR.S.VIJAYARANGAM
Address of Applicant :ASSOCIATE PROFESSOR / COMPUTER SCIENCE AND ENGINEERING, SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY, SHERIGUDA, IBRAHIMPATNAM, RENGAREDDY DIST, HYDERABAD. 501510 ---------- ----------
5)PROF. RESHAM BHALLA
Address of Applicant :LOKNETE VYANKATRAO HIRAY ARTS SCIENCE AND COMMERCE COLLEGE PANCHAVATI NASHIK ---------- ----------
6)M.SAMPATH PREMKUMAR
Address of Applicant :ASST.PROFESSOR, DEPARTMENT OF COMPUTER APPLICATIONS, BISHOP THORP COLLEGE, DHARAPURAM, 638657 ---------- ----------
7)DR. SAMEERA SIDDIQUI
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF BIOCHEMISTRY AND BIOTECHNOLOGY, SFS COLLEGE, NAGPUR ---------- ----------
8)SUJITHRA L R
Address of Applicant :ASSISTANT PROFESSOR/ DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, DR.N.G.P.INSTITUTE OF TECHNOLOGY,COIMBATORE-641048 ---------- ----------
9)DR. K. MANOHARAN
Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF BME, SNS COLLEGE OF TECHNOLOGY, SARAVANAMPATTI, COIMBATORE, TAMILNADU-641035 ---------- ----------
10)VENKATESH.S
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF CSE, NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY, COIMBATORE ---------- ----------
11)DR. S. SARAVANAN
Address of Applicant :ASSISTANT PROFESSOR & RESEARCH GUIDE, PG AND RESEARCH DEPARTMENT OF COMMERCE, DR AMBEDKAR GOVERNMENT ARTS COLLEGE(AFFILIATED TO UNIVERSITY OF MADRAS), VYASARPADI, CHENNAI-39 ---------- ----------
12)DIPAN KUMAR DAS
Address of Applicant :CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, PHD APPLIED PHYSICS RESEARCH SCHOLAR, BHUBANESWAR, 761211 ---------- ----------

(57) Abstract :
Machine learning based model to predict the characteristics of next generation based on DNA sequences is the proposed invention. The invention focuses on identifying the traits of DNA sequences that will be passed over to the next generation. The proposed invention will also help to predict the various aspects regarding health aspects can be analysed using machine learning approach.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/03/2022

(21) Application No.202241013549 A

(43) Publication Date : 25/03/2022

(54) Title of the invention : DESIGNING A ROBOT WITH DIELECTRIC MATERIAL TO WORK IN HIGH VOLTAGE ELECTRIC ENVIRONMENT

(51) International classification :B25J0009160000, B25J0019000000, B25J0011000000, G05B0013040000, B25J0005020000

(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)DEEPAK GOWDA .L
Address of Applicant :DESIGN & PROJECT ENGINEER, PANASONIC INDIA PVT. LTD. DIVYASHREE CHAMBERS- GLOBAL TECH PARK, LANGFORD ROAD, MG ROAD, BANGALORE -560025. ---------- ----------
2)M.M.JEGAN
3)B.SURESH KUMAR
4)AMRUT S. LANJE
5)JOBY SEBASTIAN
6)DR P JOEL JOSEPHSON
7)BERLIN BENO T L
8)DR.ABINA SHINY R S
9)DR.D.SELVARAJ
10)MR. SANJAY LAXMANRAO GAIKWAD
11)DIPAN KUMAR DAS
12)DR. U. PAVAN KUMAR
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)DEEPAK GOWDA .L
Address of Applicant :DESIGN & PROJECT ENGINEER, PANASONIC INDIA PVT. LTD. DIVYASHREE CHAMBERS- GLOBAL TECH PARK, LANGFORD ROAD, MG ROAD, BANGALORE -560025. ---------- ----------
2)M.M.JEGAN
Address of Applicant :M.M.JEGAN,ASSISTANT PROFESSOR, DEPARTMENT OF MECHATRONICS ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, VALLEY CAMPUS POLLACHI HIGHWAY, PIN 641032 ---------- ----------
3)B.SURESH KUMAR
Address of Applicant :ASSOCIATE PROFESSOR, CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY,HYDERABAD,PIN-500075 ---------- ----------
4)AMRUT S. LANJE
Address of Applicant :PROFESSOR AND HEAD, DEPARTMENT OF ELECTRONICS, DR. AMBEDKAR COLLEGE OF ARTS, COMMERCE & SCIENCE, CHANDRAPUR - 442401 (M. S.) ---------- ----------
5)JOBY SEBASTIAN
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHYSICS, ST. THOMAS' COLLEGE (AUTONOMOUS), THRISSUR, KERALA, PIN-680001 ---------- ----------
6)DR P JOEL JOSEPHSON
Address of Applicant :PROFESSOR/ECE ST MARTIN'S ENGINEERING COLLEGE, SECUNDERABAD, 500100 ---------- ----------
7)BERLIN BENO T L
Address of Applicant :RESEARCH SCHOLAR, ANNAI VELANKANNI COLLEGE THOLAYAVATTAM KANYAKUMARI 629157 ---------- ----------
8)DR.ABINA SHINY R S
Address of Applicant :ASSISTANT PROFESSOR,PHYSICS DEPARTMENT,BETHLAHEM INSTITUE OF ENGINEERING,KARUNGAL,629157 ---------- ----------
9)DR.D.SELVARAJ
Address of Applicant :PROFESSOR, DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING, PANIMALAR ENGINEERING COLLEGE, CHENNAI-600123 ---------- ----------
10)MR. SANJAY LAXMANRAO GAIKWAD
Address of Applicant :ASSISTANT PROFESSOR (HEAD), MAHATMA PHULE ARTS SCIENCE AND COMMERCE COLLEGE PANVEL DIST RAIGAD ---------- ----------
11)DIPAN KUMAR DAS
Address of Applicant :CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, PHD APPLIED PHYSICS RESEARCH SCHOLAR, BHUBANESWAR, 761211 ---------- ----------
12)DR. U. PAVAN KUMAR
Address of Applicant :ASSOCIATE PROFESSOR, ECE, RISE KRISHNA SAI PRAKASAM GROUP OF INSTITUTIONS, ONGOLE-523272 ---------- ----------

(57) Abstract :
Designing a robot with dielectric material to work in high voltage electric environment is the proposed invention. The invention focuses on designing a robot that can replace humans who work in cautions and dangerous environments. The proposed invention will revolutionize the working model of electricity board by implementing robots to their work.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No 202211013548 A

(19) INDIA

(22) Date of filing of Application :12/03/2022

(43) Publication Date : 01/04/2022

(54) Title of the invention : NANO ELECTRONICS BASED SOLAR CELLS FOR EFFICIENT PERFORMANCE OF ABSORPTION OF SOLAR ENERGY

(51) International classification :H01L0031054000, H02J0007350000, H01L0051420000, H01L0031023600, C02F0001140000

(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. SURENDRA KUMAR YADAV
Address of Applicant :ADVOCATE & SCIENTIFIC CONSULTANT, 37, OLD ROSHAN PURA EXTENSION, A-BLOCK, NAJAFGARH, NEW DELHI-110043, INDIA. ---------- ----------
2)MR.ROHIT SRIVASTAVA
3)SARVANI JOWHAR KHANAM
4)DR. P LAKSHMANAN
5)DR. V V SATYANARAYANA RAO. R
6)DR. J. KARTIGEYAN
7)DR VADDI RAMESH
8)DR P JOEL JOSEPHSON
9)DR. K. S. THIVYA
10)DR.P. SELVAKUMAR
11)DIPAN KUMAR DAS
12)SONU KUMAR
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)DR. SURENDRA KUMAR YADAV
Address of Applicant :ADVOCATE & SCIENTIFIC CONSULTANT, 37, OLD ROSHAN PURA EXTENSION, A-BLOCK, NAJAFGARH, NEW DELHI-110043, INDIA. ---------- ----------
2)MR.ROHIT SRIVASTAVA
Address of Applicant :CHEMISTRY DEPARTMENT. ST ANDREWS COLLEGE. GORAKHPUR ---------- ----------
3)SARVANI JOWHAR KHANAM
Address of Applicant :RESEARCH SCHOLAR, SCHOOL OF CHEMISTRY, UNIVERSITY OF HYDERABAD, HYDERABAD-500046 ---------- ----------
4)DR. P LAKSHMANAN
Address of Applicant :PROFESSOR & HEAD, DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, NARASARAOPETA ENGINEERING COLLEGE, NARASARAOPET, PIN-522601 ---------- ----------
5)DR. V V SATYANARAYANA RAO. R
Address of Applicant :PROFESSOR & HEAD, DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, SRI SARATHI INSTITUTE OF ENGINEERING AND TECHNOLOGY, NUZVID, PIN-521201 ---------- ----------
6)DR. J. KARTIGEYAN
Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF EEE, J. B. INSTITUTE OF ENGINEERING AND TECHNOLOGY, HYDERABAD - 500 075. ---------- ----------
7)DR VADDI RAMESH
Address of Applicant :ASSOCIATE PROFESSOR, DEAN RESEARCH & DEVELOPMENT, ELECTRICAL AND ELECTRONICS ENGINEERING, GOLDEN VALLEY INTEGRATED CAMPUS, NH-205, ANGALLU, MADANAPALLE, PIN:-517326. ---------- ----------
8)DR P JOEL JOSEPHSON
Address of Applicant :PROFESSOR, DEPT OF ECE, ST MARTIN'S ENGINEERING COLLEGE, DHULAPALLY, SECUNDERABAD ---------- ----------
9)DR. K. S. THIVYA
Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING,DR.MGR.EDUCATIONAL AND RESEARCH INSTITUTE, CHENNAI -95 ---------- ----------
10)DR.P. SELVAKUMAR
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF CHEMISTRY, DHAANISH AHMED INSTITUTE OF TECHNOLOGY, K.G. CHAVADI, COIMBATORE 641105, TAMILNADU, INDIA ---------- ----------
11)DIPAN KUMAR DAS
Address of Applicant :CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT. PHD APPLIED PHYSICS RESEARCH SCHOLAR. BHUBANESWAR. 761211 ---------- ----------
12)SONU KUMAR
Address of Applicant :NATIONAL LEVEL COORDINATOR, SPEAK OUT, IGNITE, BHUMI, CHENNAI, TAMIL NADU-600016 ---------- ----------

(57) Abstract :
Nano electronics based solar cells for efficient performance of absorption of solar energy is the proposed invention. The invention focuses on utilizing the nano electronics technology to be integrated with solar cells. This concept will utilize the solar energy to the maximum by increasing the absorption capacity of solar cells.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/03/2022

(21) Application No 202231011883 A

(43) Publication Date : 08/04/2022

(54) Title of the invention : NOVEL COMPRESSIVE SENSING TECHNIQUE TO RETRIEVE THE IMAGES OR VIDEOS OF MULTI MODALITIES FOR ANALYZING LUNG CANCER

(51) International classification	:G06K0009620000, G06N0003040000, G01R0033560000, G06T0007330000, G01R0033480000
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
1)MR. DIPAK NATH
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHYSICS, SAO CHANG COLLEGE, TUENSANG, NAGALAND, 798612.
2)MR. BASTIN ROGERS C
3)K.GAYATHRI DEVI
4)DR T. JOBY TITUS
5)DR B RAJESH KUMAR
6)DIPAN KUMAR DAS
7)DR SANJUKTA BANERJEE
8)DR.K.S.THIVYA
9)DR. S. SARAVANAN
10)DR. VAIBHAV PANDURANG SONAJE
11)DR SONU MISHRA
12)DR VIRENDRA GOMASE

(72)**Name of Inventor :**
1)MR. DIPAK NATH
2)MR. BASTIN ROGERS C
3)K.GAYATHRI DEVI
4)DR T. JOBY TITUS
5)DR B RAJESH KUMAR
6)DIPAN KUMAR DAS
7)DR SANJUKTA BANERJEE
8)DR.K.S.THIVYA
9)DR. S. SARAVANAN
10)DR. VAIBHAV PANDURANG SONAJE
11)DR SONU MISHRA
12)DR VIRENDRA GOMASE

(57) Abstract :
Novel compressive sensing technique to retrieve the images or videos of multi modalities or analysing lung cancer is the proposed invention. The proposed invention focuses on analysing the images that are captured using modalities such as MRI, CT, PET etc. These images are used by deep learning algorithms to find the exact condition of lung cancer and paving way for therapeutic treatment.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :07/03/2022

(21) Application No.202231012165 A

(43) Publication Date : 15/04/2022

(54) Title of the invention : ARTIFICIAL INTELLIGENCE BASED TECHNIQUES TO SEGMENT THE IMAGES CAPTURED USING MULTIPLE MODALITIES FOR DEEPER ANALYSIS OF STAGES OF LUNG CANCER

(51) International classification :G01N0033000000, G06K0009620000, G06N0003040000, G06N0005020000, G01R0033560000

(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)MR. DIPAK NATH
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHYSICS, SAO CHANG COLLEGE, TUENSANG, NAGALAND, 798612.
2)MR. BASTIN ROGERS C
3)K.GAYATHRI DEVI
4)DR T. JOBY TITUS
5)DR B RAJESH KUMAR
6)DIPAN KUMAR DAS
7)DR SANJUKTA BANERJEE
8)DR.K.S.THIVYA
9)DR. S. SARAVANAN
10)DR. VAIBHAV PANDURANG SONAJE
11)DR SONU MISHRA
12)DR VIRENDRA GOMASE

(72)**Name of Inventor :**
1)MR. DIPAK NATH
2)MR. BASTIN ROGERS C
3)K.GAYATHRI DEVI
4)DR T. JOBY TITUS
5)DR B RAJESH KUMAR
6)DIPAN KUMAR DAS
7)DR SANJUKTA BANERJEE
8)DR.K.S.THIVYA
9)DR. S. SARAVANAN
10)DR. VAIBHAV PANDURANG SONAJE
11)DR SONU MISHRA
12)DR VIRENDRA GOMASE

(57) Abstract :
Artificial intelligence based techniques to segment the images captured using multiple modalities for deeper analysis of stages of lung cancer the proposed invention. The proposed invention aims at analysing the exact stage of cancer so that the concept of therapeutic treatment can be accomplished. The invention implements artificial intelligence to the images for automated detection and suggestions to health care professionals.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/03/2022

(21) Application No 202221012862 A

(43) Publication Date : 29/04/2022

(54) Title of the invention : SMART DIELECTRIC SYSTEM TO PROTECT THE HUMANS WORKING ON ELECTRIC POLES

(51) International classification :A61K0039395000, H01H0033666000, G06Q0020400000, G06F0021000000, H01Q0013240000
(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.SAMBHAJI MAHIPATI KALE
Address of Applicant :ASSITANT PROFESSOR, DEPARTMENT OF CHEMISTRY AND RESEARCH CENTER, NEW ARTS COMMERCE AND SCIENCE COLLEGE PARNER DIST. AHMEDNAGAR, 414302. ---------- ----------
2)DR. J. KARTIGEYAN
3)MR.GIRIBABU KATTA
4)ASHUTOSH MISHRA
5)DR.SAROJ SHANKAR HOLE
6)DHANANJAY SHANKAR HOLE
7)DIPAN KUMAR DAS
8)DIGVIJAY SHANKAR HOLE
9)MR. SANJAY LAXMANRAO GAIKWAD
10)DR. S. SARAVANAN
11)VENKATESH
12)MADAN MOHAN M
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)DR.SAMBHAJI MAHIPATI KALE
Address of Applicant :ASSITANT PROFESSOR, DEPARTMENT OF CHEMISTRY AND RESEARCH CENTER, NEW ARTS COMMERCE AND SCIENCE COLLEGE PARNER DIST. AHMEDNAGAR, 414302. ---------- ----------
2)DR. J. KARTIGEYAN
Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF EEE, J. B. INSTITUTE OF ENGINEERING AND TECHNOLOGY, HYDERABAD - 500 075. ---------- ----------
3)MR.GIRIBABU KATTA
Address of Applicant :ASSISTANT PROFESSOR,DEPARTMENT OF EEE,J.B.INSTITUTE OF ENGINEERING AND TECHNOLOGY,HYDERABAD-500075 ---------- ----------
4)ASHUTOSH MISHRA
Address of Applicant :LECTURER , NMDC DAV POLYTECHNIC, DANTEWADA, 494441 ---------- ----------
5)DR.SAROJ SHANKAR HOLE
Address of Applicant :ASSIGNMENT PROFESSOR, DEPARTMENT OF ELECTRONICS,PES MODERN COLLEGE OF ART'S, SCIENCE AND COMMERCE GANESHKHIND,PUNE 411016 ---------- ----------
6)DHANANJAY SHANKAR HOLE
Address of Applicant :SUPERVISOR ENGINEER, WATER TRETMENT PLANT AT PC MC,PUNE ,411043 ---------- ----------
7)DIPAN KUMAR DAS
Address of Applicant :CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, PHD APPLIED PHYSICS RESEARCH SCHOLAR, BHUBANESWAR, 761211 ---------- ----------
8)DIGVIJAY SHANKAR HOLE
Address of Applicant :PUNE SMART CITY PROJECT ,JUNIOR SUPERVISOR ENGINEER,PUNE CITY,PASHAN ROAD NEAR PUNE UNIVERSITY, PINCODE 411016 ---------- ----------
9)MR. SANJAY LAXMANRAO GAIKWAD
Address of Applicant :ASSISTANT PROFESSOR (HEAD), DEPARTMENT OF PHYSICS, MAHATMA PHULE ARTS SCIENCE AND COMMERCE COLLEGE PANVEL DIST RAIGAD, ---------- ----------
10)DR. S. SARAVANAN
Address of Applicant :ASSISTANT PROFESSOR & RESEARCH GUIDE, PG AND RESEARCH DEPARTMENT OF COMMERCE, DR AMBEDKAR GOVERNMENT ARTS COLLEGE, VYASARPADI, CHENNAI-39 ---------- ----------
11)VENKATESH
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF CSE, NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY, COIMBATORE ---------- ----------
12)MADAN MOHAN M
Address of Applicant :ASSISTANT PROFESSOR/CSE, NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY, COIMBATORE, 641105 ---------- ----------

(57) Abstract :
Smart dielectric system to protect the humans working on electric poles is the proposed invention. The proposed invention aims at providing a smart system with dielectric material. The invention will protect the humans working with electric poles or any electric appliance for that matter will be protected with a blanket of dielectric material.

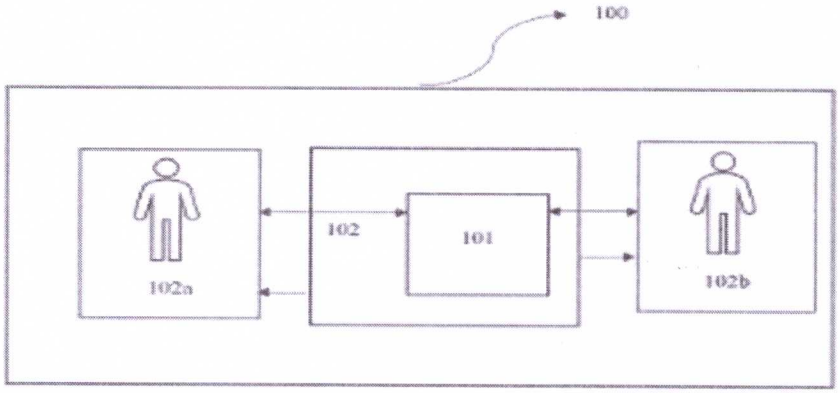

Figure 1: Schematic view

No. of Pages : 11 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202221011890 A

(19) INDIA

(22) Date of filing of Application :04/03/2022

(43) Publication Date : 20/05/2022

(54) Title of the invention : MACHINE LEARNING BASED APPROACH TO ANALYZE THE TRAITS OF DNA FOR FORENSIC INVESTIGATION

(51) International classification :G06N0020000000, C12Q0001687600, G06N0005000000, C12Q0001688800, G06T0007000000

(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. SUDHIN CHANDRAKANT DALAVE
Address of Applicant :ASSISTANT PROFESSOR IN BOTANY, DEPARTMENT OF BOTANY, SNJB'S KKHA ARTS SMGL COMMERCE AND SPHJ SCIENCE COLLEGE CHANDWAD DIST-NASHIK ---------- ----------
2)ABHISHEK SHARMA PADMANABHAN
3)ANANTA SAMPAT AMBHORE
4)DR MD ILYAS
5)DR.V.INDHUMATHI
6)ER. SHREESH GUPTA
7)DIPAN KUMAR DAS
8)G APARNA
9)MS. SHARMILA PRAKASH ZOPE
10)DR. PURUSHOTTAM R. PATIL
11)DR SONU MISHRA
12)DR VIRENDRA GOMASE
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
1)DR. SUDHIN CHANDRAKANT DALAVE
Address of Applicant :ASSISTANT PROFESSOR IN BOTANY, DEPARTMENT OF BOTANY, SNJB'S KKHA ARTS SMGL COMMERCE AND SPHJ SCIENCE COLLEGE CHANDWAD DIST-NASHIK ---------- ----------
2)ABHISHEK SHARMA PADMANABHAN
Address of Applicant :ASSISTANT PROFESSOR OF LAW, SCHOOL OF LAW, CHRIST (DEEMED TO BE UNIVERSITY) ---------- ----------
3)ANANTA SAMPAT AMBHORE
Address of Applicant :RESEARCH SCHOLAR DEPT OF ZOOLOGY DR.BBABASAHEB AMBEDKAR MARATHWADA UNIVERSITY AURANGABAD (M.S) ---------- ----------
4)DR MD ILYAS
Address of Applicant :ASSISTANT PROFESSOR / DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING, PRESTIGE INSTITUTE OF ENGINEERING MANAGEMENT & RESEARCH, INDORE, 452010 ---------- ----------
5)DR.V.INDHUMATHI
Address of Applicant :ASSISTANT PROFESSOR COMPUTER SCIENCE AND APPLICATIONS, VIVEKANANDHA ARTS AND SCIENCE COLLEGE FOR WOMEN, SANKARI-637 303 ---------- ----------
6)ER. SHREESH GUPTA
Address of Applicant :BUSINESS DEVELOPMENT MANAGER, WECAPSULATE PHARMA LLP, LANE NO. 8, NEAR SHIV MANDIR, KANDOLI DEHRADUN -248001 (UTTARAKHAND) ---------- ----------
7)DIPAN KUMAR DAS
Address of Applicant :CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, PHD APPLIED PHYSICS RESEARCH SCHOLAR, BHUBANESWAR, 761211 ---------- ----------
8)G APARNA
Address of Applicant :ASSISTANT PROFESSOR, GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY, ECE DEPARTMENT, CHERYAAL, HYDERABAD ---------- ----------
9)MS. SHARMILA PRAKASH ZOPE
Address of Applicant :ASSISTANT PROFESSOR SCHOOL OF COMPUTER SCIENCE AND ENGINEERING, SANDIP UNIVERSITY, NASHIK 422213 ---------- ----------
10)DR. PURUSHOTTAM R. PATIL
Address of Applicant :ASSOCIATE PROFESSOR, SCHOOL OF COMPUTER SCIENCE AND ENGINEERING, SANDIP UNIVERSITY NASHIK -422213 ---------- ----------
11)DR SONU MISHRA
Address of Applicant :DEPARTMENT OF BIOTECHNOLOGY, MEWAR UNIVERSITY, GANGARAR CHITTORGARH, RAJASTHAN, PIN-312901 ---------- ----------
12)DR VIRENDRA GOMASE
Address of Applicant :DEPARTMENT OF BIOTECHNOLOGY, MEWAR UNIVERSITY, GANGARAR CHITTORGARH, RAJASTHAN, PIN-312901 ---------- ----------

(57) Abstract :
Machine learning based approach to analyse the traits of DNA for forensic investigation is the proposed invention. The invention aims at designing and implementing a machine learning based framework for analysing the traits of a DNA collected by forensic professionals. The invention will give a newer light and aspect to the way of analysing the DNA traits and the characteristics.

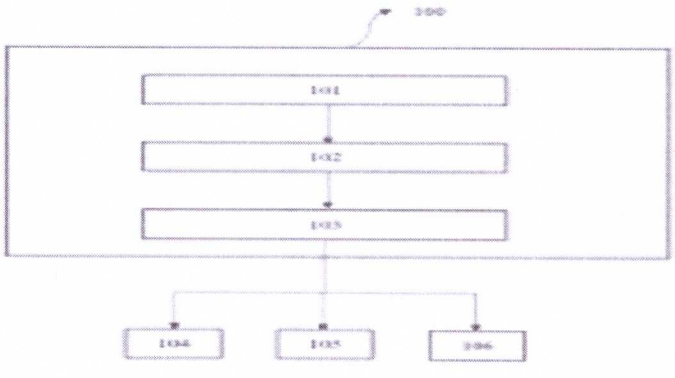

Figure 1: Block Diagram

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202221011870 A

(19) INDIA

(22) Date of filing of Application :04/03/2022

(43) Publication Date : 20/05/2022

(54) Title of the invention : MACHINE LEARNING BASED APPROACH TO ANALYZE THE PROSOCIAL BEHAVIOUR OF COLLEAGUES OF E-COMMERCE SITE

(51) International classification :G06Q0010060000, G06N0020000000, G06K0009000000, A61K0039395000, 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 :
1)DR. PANKAJ BALWANTRAO CHAUDHARI
Address of Applicant :ASSISTANT PROFESSOR, SCHOOL OF ALLIED SCIENCES, DATTA MEGHE INSTITUTE OF MEDICAL SCIENCES, DEEMED TO BE UNIVERSITY, WARDHA, MAHARASHTRA, INDIA 442001 ---------- ----------
2)DR. ROOP RAJ
3)DR. KULDEEP AGNIHOTRI
4)DR. KIRAN KUMAR ROTTE
5)DR N LAKSHMIPATHI ANANTHA
6)DR.SACHIN VASANT CHAUDHARI
7)DIPAN KUMAR DAS
8)R. VEERAPPAN
9)DR.A.DURAIKANNAN
10)DR.D.SELVARAJ
11)DR AMIT GAIKWAD
12)DR. S. SARAVANAN
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
1)DR. PANKAJ BALWANTRAO CHAUDHARI
Address of Applicant :ASSISTANT PROFESSOR, SCHOOL OF ALLIED SCIENCES, DATTA MEGHE INSTITUTE OF MEDICAL SCIENCES, DEEMED TO BE UNIVERSITY, WARDHA, MAHARASHTRA, INDIA 442001 ---------- ----------
2)DR. ROOP RAJ
Address of Applicant :LECTURER IN ECONOMICS, GOVERNMENT OF HARYANA, INDIA ---------- ----------
3)DR. KULDEEP AGNIHOTRI
Address of Applicant :ASSOCIATE PROFESSOR & HOD (DEPARTMENT OF MANAGEMENT), MODERN INSTITUTE OF PROFESSIONAL STUDIES, INDORE ---------- ----------
4)DR. KIRAN KUMAR ROTTE
Address of Applicant :HEAD, DEPARTMENT OF BUSINESS MANAGEMENT, VIVEKANANDA DEGREE AND PG COLLEGE, KARIMNAGAR, 505001 ---------- ----------
5)DR N LAKSHMIPATHI ANANTHA
Address of Applicant :PROFESSOR, COMPUTER SCIENCE AND ENGINEERING, MALLA REDDY ENGINEERING COLLEGE, 500100 ---------- ----------
6)DR.SACHIN VASANT CHAUDHARI
Address of Applicant :ASSOCIATE PROFESSOR ELECTRONICS AND COMPUTER ENGINEERING,SANJIVANI COLLEGE OF ENGINEERING,KOPARGAON,DIST:AHMEDNAGAR,423601 ---------- ----------
7)DIPAN KUMAR DAS
Address of Applicant :CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, PHD APPLIED PHYSICS RESEARCH SCHOLAR, BHUBANESWAR, 761211 ---------- ----------
8)R. VEERAPPAN
Address of Applicant :HEAD, DEPARTMENT OF BUSINESS ADMINISTRATION, SACRED HEART COLLEGE (AUTONOMOUS), TIRUPATTUR 635601 ---------- ----------
9)DR.A.DURAIKANNAN
Address of Applicant :ASSISTANT PROFESSOR OF BUSINESS ADMINISTRATION, SRI MEENAKSHI GOVERNMENT ARTS COLLEGE FOR WOMEN (AUTONOMOUS) MADURAI ---------- ----------
10)DR.D.SELVARAJ
Address of Applicant :PROFESSOR, DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING, PANIMALAR ENGINEERING COLLEGE, CHENNAI-600123 ---------- ----------
11)DR AMIT GAIKWAD
Address of Applicant :ASSOCIATE PROFESSOR, G.H.RAISONI UNIVERSITY, AMRAVATI ---------- ----------
12)DR. S. SARAVANAN
Address of Applicant :ASSISTANT PROFESSOR & RESEARCH GUIDE, PG AND RESEARCH DEPARTMENT OF COMMERCE, DR. AMBEDKAR GOVERNMENT ARTS COLLEGE, (AFFILIATED TO UNIVERSITY OF MADRAS), VYASARPADI, CHENNAI-600039 ---------- ----------

(57) Abstract :
Machine learning based approach to analyze the prosocial behaviour of colleagues of e-commerce site is the proposed invention. The proposed invention focuses on implementing a framework that is based on machine learning to analyze the prosocial behaviors of employees such as kindness, compassion etc. The objective of the proposed invention is to predict the level of prosocial behaviors followed in a particular organization.

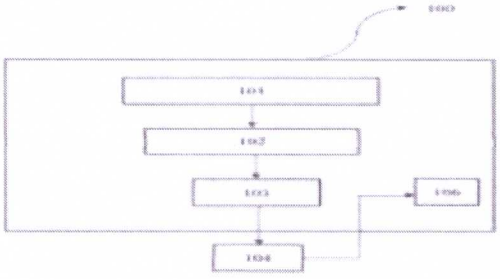

Figure 1. Block diagram

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

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

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

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

Application Details	
APPLICATION NUMBER	202141047288
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	18/10/2021
APPLICANT NAME	1 . Dr.D.Neelima Patnaik 2 . Dr.Bandi Asha Latha 3 . Mrs.Vishnu Priya Thotakura 4 . Mr.Naga Jayanth Chennupati 5 . Mr.Pramod Prakashrao Patil 6 . Dr.Rabinarayan Satpathy 7 . Dr.Sushma Jaiswal 8 . Mrs.N.Jeebaratnam 9 . Mr.Tarun Jaiswal 10 . Dr.N.Chintaiah
TITLE OF INVENTION	AN IMAGE PROCESSING SYSTEM WITH CONVOLUTIONAL NEURAL NETWORK MODULES AND METHOD THEREOF
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	tumula.githam@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	05/11/2021

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:

CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT

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

2021/10562

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

In testimon f, the seal of the Patent Office has been affixed at Pretoria with effect from the **27th** day of **July 2022**

.....

Registrar of Patents

REPUBLIC OF SOUTH AFRICA | REGISTER OF PATENTS | PATENTS ACT, 1978

Official application No.	Lodging date: Provisional	Acceptance date
21 01 **2021/10562**	22	47 2022/06/03
International classification	Lodging date: Complete	Granted date
51 C05B	23 2021/12/17	2022/07/27

71 Full name(s) of applicant(s)/Patentee(s):

CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT
Centurion University of Technology and Management, Odisha, 752050, India

71 Applicant substitued:	Date registrered
71 Assignee(s):	Date registrered

72 Full name(s) of inventor(s):

PANIGRAHI, Gagan Kumar
SAHOO, Shraban Kumar
SAHOO, Annapurna
ARUN KUMAR PRADHAN
KUNJA BIHARI SATAPATHY
ANUESHA DALBEHERA

Priority claimed:	Country	Number	Date

54 Title of invention

A SYSTEM FOR ENHANCING PLANT IMMUNITY AND PLANT GROWTH BY USING FABRICATED ZNO–ZNFE2O4 NANOPARTICLES

Address of applicant(s)/patentee(s):

Centurion University of Technology and Management, Odisha, 752050
INDIA

74 Address for service

Wolmarans & Susan Inc.
Corner of Barry Hertzog Avenue and Empire Road, Johannesburg, 2092
SOUTH AFRICA
Reference No.

61 Patent of addition No.	Date of any change
Fresh application based on.	Date of any change

RENEWAL SHEET

Year	Payment Date	Receipt Number	Amount

HISTORY SHEET

Date entry made	Description
2021-12-20	Proof reading performed automatically
2021-12-20	Request for the acceptance of a Patent electronically filed on 17/12/2021, numbered 2021/10562
2022-06-03	Application accepted on 3/6/2022.
2022-06-21	Correction of clerical errors consisting of to add inventors filed on 03/06/2022, by CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT.
2022-07-28	Patent advertised on 27-07-2022.
2022-07-28	Patent granted on 27-07-2022.

(12) PATENT APPLICATION PUBLICATION
(21) Application No 202231026515 A
(19) INDIA
(22) Date of filing of Application :07/05/2022
(43) Publication Date : 10/06/2022

(54) Title of the invention : Portable Photovoltaic Mounting Assembly for Agrivoltaics

(51) International classification :F24S0025120000, H02S0020100000, H02S0040220000, H02S0020300000, F24S0025000000
(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)Centurion University of Technology & Management (CUTM)
Address of Applicant :At-Alluri Nagar, PO-R.Sitapur via-Uppalada, Parlakhemundi, Gajapati District, Odisha, India – 761211. ---------- ----------
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)Prof. Nimay Chandra Giri
Address of Applicant :Department of Electronics and Communication Engineering, Centurion University of Technology & Management (CUTM) Bhubaneswar, Odisha-752050 India ---------- ----------
2)Dr. Ramesh Chandra Mohanty
Address of Applicant :Department of Mechanical Engineering, Centurion University of Technology & Management (CUTM) Bhubaneswar, Odisha-752050 India ---------- ----------
3)Prof. Jagannath Padhi
Address of Applicant :Department of Electrical Engineering, Centurion University of Technology & Management (CUTM) Bhubaneswar, Odisha-752050 India ---------- ----------

(57) Abstract :
ABSTRACT: Title: Portable Photovoltaic Mounting Assembly for Agrivoltaics The present disclosure proposes a portable and adjustable photovoltaic mounting assembly for agrivoltaics that enables mutual sharing of sunlight between farm and solar panels and thereby increases land productivity and revenue of farmers. The photovoltaic mounting assembly 100 comprises at least one solar panel 102, at least one mounting support 104, at least a pair of vertical support members, and plurality of ground support members 110.The usage of photovoltaic panels on the farm lands to enhance the socio-economic indicators such as Benefit-Cost Ratio (BCR), Payback Period (PBP), and Land Equivalent Ratio (LER) of the system. The adjustable photovoltaic mounting assembly provides sufficient amount of sunlight to transfer underneath the mounting assembly for better photosynthesis and food production.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :08/07/2022

(21) Application No.202231039408 A
(43) Publication Date : 29/07/2022

(54) Title of the invention : Polycentric Knee Joint for Improved Stability and Flexion

(51) International classification :A61F0002640000, A61F0002380000, A61F0002680000, A61F0005010000, A61F0002500000
(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)Centurion University of Technology & Management (CUTM)
Address of Applicant :At-Alluri Nagar Village, PO-R.Sitapur, Via-Uppalada, Parlakhemundi, Gajapati District, Odisha, India – 761211 Parlakhemundi ---------- ----------
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)Rajesh Kumar Mohanty
Address of Applicant :Ph.D.Scholar (Inter disciplinary) Centurion University of Technology and Management Bhubaneswar, Odisha, India. 752050 Bhubaneswar ---------- ----------
2)Ramesh Chandra Mohanty
Address of Applicant :Ph.D.Professor, Department of Mechanical Engineering Centurion University of Technology and Management Bhubaneswar, Odisha, India. 752050 Bhubaneswar ---------- ----------
3)Sukanta Kumar Sabut
Address of Applicant :Ph.D., Associate Professor, School of Electronics Engineering, KIIT Deemed to be University, Bhubaneswar, Odisha, India - 751024 Bhubaneswar ---------- ----------

(57) Abstract :
ABSTRACT: Title: Polycentric Knee Joint for Improved Stability and Flexion The present disclosure proposes a knee prosthesis designed with a polycentric four-bar linkage mechanism for enhanced knee stability and better swing clearance. The polycentric knee joint comprises a coupling unit, an upper knee unit 106, a lower knee unit 116, a linking means, and a bumper 114. The hinged joint motions of the upper knee unit and the lower knee unit enable kinematic forward and backward gliding movements. The movements limit the free swing of the knee with minimum resistance and help in better swing clearance. The polycentric knee joint is to manufacture a cost-effective knee prosthesis using simple mechanical components. Further, the proposed prosthesis knee joint design allows a low profile design to suit long transfemoral residual limbs.

No. of Pages : 20 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/02/2021

(21) Application No.202131004379 A

(43) Publication Date : 05/08/2022

(54) Title of the invention : SYNTHESIS OF AMINOCYANOPYRIDINES USING UREASE MIMETICS

(51) International classification	:H04N0005262000, C07F0015040000, C07F0005000000, H01L0051000000, C12N0009800000
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
1)Centurion University of Technology and Management (CUTM)
Address of Applicant :At-Alluri Nagar, PO-R.Sitapur, Via-Uppalada, Gajapati District, Parlakhemundi-761211, Odisha, India. Orissa India
(72)**Name of Inventor :**
1)Bidyut Kumar Kundu
2)Suman Mukhopadhyay
3)Pragti

(57) Abstract :
The present disclosure proposes a method of synthesis of aminocyanopyridines that utilizes two dinuclear nickel(II) complexes with mannich bases as primary ligand and acetate as co-ligand. The dinuclear nickel complexes are utilized to produce aminocyanopyridines in the one-pot synthesis that work as functional urease mimetic system. Further, the processing cost reduced by providing dinuclear complexes with enhanced thermal stability that aids the one-pot synthesis. The produced aminocyanopyridines can be utilized as an alternative for commercially available blue range dyes and cancer cells imaging. The synthesized aminocyanopyridines target some specific organelles inside the cell which can be further utilized for the development of organelle cell tracking.

No. of Pages : 22 No. of Claims : 4

PATENT REGISTER SHEET

REPUBLIC OF SOUTH AFRICA | REGISTER OF PATENTS | PATENTS ACT, 1978

Official application No.	Lodging date: Provisional	Acceptance date
21 01 **2022/05202**	22	47 2022/08/30
International classification	**Lodging date: Complete**	**Granted date**
51 A61K	23 2022/05/11	2022/11/30

71 Full name(s) of applicant(s)/Patentee(s):

Dr. Satyasis Mishra
Department of Electronics and Communication Engineering, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050, India
Dr. Mohammed Siddique
Department of Mathematics, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050, India
Dr.Sunita Satapathy
Department of Zoology, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050, India
Dr. Goutam Kumar Mahato
Department of Mathematics, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050, India
Dr. Tumbanath Samantara
Department of Mathematics, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050, India
Dr. Sasmita Nayak
Department of CSE, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050, India
Mr. Nilamadhab Dash
Department of CSE, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050, India
DR. RAMESH CHANDRA MOHANTY
Department of Mechanical Engineering, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, 752050, Odisha,, India

71 Applicant substitued:	Date registrered

71 Assignee(s):	Date registrered

72 Full name(s) of inventor(s):

Dr. Satyasis Mishra
Dr. Mohammed Siddique
Dr. Sunita Satapathy
Dr. Ramesh Chandra Mohanty
Dr. Goutam Kumar Mahato
Dr. Tumbanath Samantara
Dr. Sasmita Nayak
Mr. Nilamadhab Dash

Priority claimed:	Country	Number	Date

54 Title of invention

A SYSTEM AND A METHOD OF IMPROVED SCA-ELM BASED DENSENET121 FOR CLASSIFICATION OF FRUIT DISEASES

Address of applicant(s)/patentee(s):

Department of Electronics and Communication Engineering, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050
INDIA
Department of Mathematics, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050
INDIA
Department of Zoology, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050
INDIA
Department of Mathematics, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050
INDIA
Department of Mathematics, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050
INDIA
Department of CSE, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050
INDIA
Department of CSE, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050
INDIA
Department of Mechanical Engineering, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, 752050, Odisha,
INDIA

PATENT REGISTER SHEET

REPUBLIC OF SOUTH AFRICA | REGISTER OF PATENTS | PATENTS ACT, 1978

Official application No.	Lodging date: Provisional	Acceptance date
21 01 2022/05202	22	47 2022/08/30
International classification	**Lodging date: Complete**	**Granted date**
51 A61K	23 2022/05/11	2022/11/30

71 Full name(s) of applicant(s)/Patentee(s):

Dr. Satyasis Mishra
Department of Electronics and Communication Engineering, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050, India
Dr. Mohammed Siddique
Department of Mathematics, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050, India
Dr.Sunita Satapathy
Department of Zoology, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050, India
Dr. Goutam Kumar Mahato
Department of Mathematics, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050, India
Dr. Tumbanath Samantara
Department of Mathematics, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050, India
Dr. Sasmita Nayak
Department of CSE, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050, India
Mr. Nilamadhab Dash
Department of CSE, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050, India
DR. RAMESH CHANDRA MOHANTY
Department of Mechanical Engineering, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, 752050, Odisha,, India

71 Applicant substitued:	Date registrered

71 Assignee(s):	Date registrered

72 Full name(s) of inventor(s):

Dr. Satyasis Mishra
Dr. Mohammed Siddique
Dr. Sunita Satapathy
Dr. Ramesh Chandra Mohanty
Dr. Goutam Kumar Mahato
Dr. Tumbanath Samantara
Dr. Sasmita Nayak
Mr. Nilamadhab Dash

Priority claimed:	Country	Number	Date

54 Title of invention

A SYSTEM AND A METHOD OF IMPROVED SCA-ELM BASED DENSENET121 FOR CLASSIFICATION OF FRUIT DISEASES

Address of applicant(s)/patentee(s):

Department of Electronics and Communication Engineering, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050
INDIA
Department of Mathematics, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050
INDIA
Department of Zoology, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050
INDIA
Department of Mathematics, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050
INDIA
Department of Mathematics, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050
INDIA
Department of CSE, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050
INDIA
Department of CSE, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050
INDIA
Department of Mechanical Engineering, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, 752050, Odisha,
INDIA

74	Address for service	
Wolmarans and Susan Inc. 337 Surrey Avenue, Randburg, 2194 SOUTH AFRICA Reference No.		
61	Patent of addition No.	Date of any change
Fresh application based on.		Date of any change

RENEWAL SHEET

Year	Payment Date	Receipt Number	Amount

HISTORY SHEET

Date entry made	Description
2022-05-12	Proof reading performed automatically
2022-05-12	Request for the acceptance of a Patent electronically filed on 11/5/2022, numbered 2022/05202
2022-05-30	Correction of clerical errors consisting of to correct address filed on 26/05/2022, by Dr. Satyasis Mishra, Dr. Mohammed Siddique, Dr.Sunita Satapathy, Dr. Ramesh Chandra Mohanty, Dr. Goutam Kumar Mahato, Dr. Tumbanath Samantara, Dr. Sasmita Nayak, Mr. Nilamadhab Dash.
2022-08-30	Application accepted on 30/08/2022.
2022-12-01	Patent advertised on 30-11-2022.
2022-12-01	Patent granted on 30-11-2022.

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :29/09/2022

(21) Application No.202231056036 A
(43) Publication Date : 21/10/2022

(54) Title of the invention : 3-(2-Amino-5-hexylphenyl) Propanoic Acid for Treatment of Severe Acute Respiratory Syndrome (SARS) Coronavirus 2

(51) International classification :C07K0014005000, A61K0039000000, A61K0039215000, C12P0021000000, A61K0039120000
(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)Centurion University of Technology & Management (CUTM)
Address of Applicant :At-Alluri Nagar Village, PO-R.Sitapur, Via-Uppalada, Gajapati District Parlakhemundi-761211, Odisha, India. Parlakhemundi ---------- ----------
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)Chinmaya Chidananda Behera
Address of Applicant :Lecturer, University Department of Pharmaceutical Sciences, Utkal University, Vani Vihar, Bhubaneswar-751004, Odisha, India. Bhubaneswar ---------- ----------
2)Dr. Bhisma Narayan Ratha
Address of Applicant :Assistant Professor, SoABE, At-Alluri Nagar, PO-R.Sitapur Via Uppalada, Gajapati District, Parlakhemundi-761211, Odisha, India. Parlakhemundi ---------- ----------
3)Dr. Sagar Kumar Mishra
Address of Applicant :Lecturer, University Department of Pharmaceutical Sciences, Utkal University, Vani Vihar, Bhubaneswar-751004, Odisha, India. Bhubaneswar ---------- ----------

(57) Abstract :
ABSTRACT: Title: 3-(2-Amino-5-hexylphenyl) propanoic acid for Treatment of Severe Acute Respiratory Syndrome (SARS) Coronavirus 2 The present disclosure proposes 3-(2-Amino-5-hexylphenyl) propanoic acid for treatment of severe acute respiratory syndrome (SARS) Coronavirus. The formula (3) is 3-(2-Amino-5-hexylphenyl) propanoic acid that inhibit various SARS corona virus proteins. The 3-(2-Amino-5-hexylphenyl) propanoic acid is designed by using in silico Fragment based design. The proposed cost-effective anti-SARS compound provides minimal toxicity and high efficacy. The proposed anti-SARS compound inhibit many SARS Corona virus proteins like, Main Protease or 3CLpro, Papain Like Protease, nsp12-nsp7-nsp8 complex-RNA Dependent RNA Polymerase Complex of NSP7 with NSP8 –Primase, etc.

No. of Pages : 21 No. of Claims : 10

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

सत्यमेव जयते

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

Application Details	
APPLICATION NUMBER	202231062139
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	31/10/2022
APPLICANT NAME	1 . Dr.Ashish Kumar Sarangi 2 . Dr.Alok Ranjan Sahu 3 . Dr.Rudra Narayan Sahoo 4 . Dr.Bhabani Sankar Satapathy 5 . Dr.Ranjan Kumar Sahoo 6 . Mr.Durga Prasad Mishra 7 . Mr.Swarnajeet Tripathy 8 . Mrs.Binapani Barik 9 . Mr.Sanjib Kumar Naik 10 . Miss.Rasmita Dash
TITLE OF INVENTION	A SYSTEM PROVIDED WITH NEXT-GENERATION COMPUTING TECHNOLOGY FOR PRECISION MEDICINE AND METHOD THEREOF
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	tumula.githam@gmail.com
ADDITIONAL-EMAIL (As Per Record)	tumula.githam@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	04/11/2022

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

INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

Application Details	
APPLICATION NUMBER	202231062715
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	02/11/2022
APPLICANT NAME	1 . Dr.Ashish Kumar Sarangi 2 . Dr.Sushil Kumar Bhoi 3 . Mr.Jayanta Kumar Panigrahi 4 . Dr.Bikash Meher 5 . Dr.Asini Kumar Baliarsingh 6 . Mr.Nabin Kumar Naik
TITLE OF INVENTION	AN ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING-BASED SURVEILLANCE SYSTEMS TO MONITOR REAL TIME CROP GROWTH AND METHOD THEREOF
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	tumula.githam@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	04/11/2022

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

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

Application Details	
APPLICATION NUMBER	202231063326
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	05/11/2022
APPLICANT NAME	1 . Dr.Ashish Kumar Sarangi 2 . Dr.Prafulla Kumar Sahu 3 . Dr.Rudra Narayan Sahoo 4 . Dr.Bhabani Sankar Satapathy 5 . Dr.Alok Ranjan Sahu 6 . Dr.Kalpita Bhatta 7 . Mrs.Annanya Gangopadhyay 8 . Mr.Nageswar Panda 9 . Mr.Abhisek Sahu
TITLE OF INVENTION	AN ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING BASED SYSTEM IN CULTIVATION OF MICROBIAL STRAINS AND METHOD THEREOF
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	tumula.githam@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	11/11/2022

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

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

Application Details	
APPLICATION NUMBER	202231063516
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	07/11/2022
APPLICANT NAME	1 . Dr.Ashish Kumar Sarangi 2 . Dr.Bikash Meher 3 . Dr.Sushil Kumar Bhoi 4 . Dr.Deepa Das 5 . Mr.Nabin Kumar Naik 6 . Dr.Purnendu Mishra 7 . Mr.Alpesh Kumar Dauda 8 . Mr. Ashok Kumar Bhoi
TITLE OF INVENTION	AN IOT BASED IMAGE PROCESSING SYSTEM FOR MEDICAL APPLICATIONS
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	tumula.githam@gmail.com
ADDITIONAL-EMAIL (As Per Record)	tumula.githam@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	11/11/2022

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241050364 A

(19) INDIA

(22) Date of filing of Application :02/09/2022

(43) Publication Date : 16/09/2022

(54) Title of the invention : Design And Construction of Prefabricated Skeleton Structures

(51) International classification :A61K0036750000, G01R0033563000, A61P0011060000, A61P0003100000, C07D0417040000

(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. SSSV Gopala Raju
Address of Applicant :Professor, Department of Civil Engineering, Rajiv Gandhi University of Knowledge Technologies, Nuzvid campus, Andhra Pradesh – 521202 Nuzividu ---------- ----------
2)Mr. Aashish.A.Gadgil
3)Dr. Saurav
4)Mr. Vaibhav Shivhare
5)Mr. Mayank Chauhan
6)Abinaya Ishwarya G K
7)Dr. Manik Deshmukh
8)Mr. Akash Sood
9)Mr. Krushna Chandra Sethi
10)Mr. Ankeshit Srivastava
11)Mr. L. Karthick
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)Dr. SSSV Gopala Raju
Address of Applicant :Professor, Department of Civil Engineering, Rajiv Gandhi University of Knowledge Technologies, Nuzvid campus, Andhra Pradesh – 521202 Nuzividu ---------- ----------
2)Mr. Aashish.A.Gadgil
Address of Applicant :Assistant Professor, Department of Electronics & Communication, KLS Gogte Institute of Technology, Udyambag, Belagavi, Karnataka Belagavi ---------- ----------
3)Dr. Saurav
Address of Applicant :Assistant Professor, Department of Civil Engineering, Jaypee University of Information Technology, Waknaghat, Solan, Himachal Pradesh -173234 Solan ---------- ----------
4)Mr. Vaibhav Shivhare
Address of Applicant :Assistant Professor, Department of Mechanical Engineering, Madhav Institute of Technology and Science, Racecourse Road, Gole ka mandir, Gwalior, Madhya Pradesh - 474005 Gwalior ---------- ----------
5)Mr. Mayank Chauhan
Address of Applicant :Assistant Professor, Department of Civil Engineering, Dr. K.N Modi Institute of Engineering and Technology, Modinagar, Ghaziabad, Uttar Pradesh - 201204 Modinagar ---------- ----------
6)Abinaya Ishwarya G K
Address of Applicant :Assistant Professor, Deaprtment of Civil Engineering, Vels Institute of Science Technology and Advanced Studies, Chennai Chennai ---------- ----------
7)Dr. Manik Deshmukh
Address of Applicant :Associate Professor, Department of Civil Engineering, Sveri's College of Engineering, Pandharpur, Maharashtra - 413304 Pandharpur ---------- ----------
8)Mr. Akash Sood
Address of Applicant :Research Scholar, Department of Chemical Engineering, Sant Longowal Institute of Engineering and Technology, Longowal, District Sangrur, Punjab- 148106 Longowal ---------- ----------
9)Mr. Krushna Chandra Sethi
Address of Applicant :Assistant Professor, Department of Civil Engineering, Centurian University of Technology and Management, Paralakhemundi, Odisha - 761211 Paralakhemundi ---------- ----------
10)Mr. Ankeshit Srivastava
Address of Applicant :M.tech Student, Department of Civil Engineering, Institute of Engineering & Technology, Sitapur Road, Lucknow, Uttar Pradesh - 226021 Lucknow ---------- ----------
11)Mr. L. Karthick
Address of Applicant :Assistant Professor, Department of Mechanical Engineering, Hindusthan College of Engineering and Technology, Valley Campus, Pollachi Highway, Coimabtore - 641032, Tamil Nadu Coimabtore ---------- ----------

(57) Abstract :
[05] The utility model features an assembled structure of a prefabricated steel-concrete shear wall, which belongs to the technical field of application of the shear wall mounted, and solves the problems of low structural strength of the existing shear wall, unstable anchoring of steel bars and shear wall failure in earthquakes. The technical points of the problem which is sometimes easy to fall apart are: including external shear wall mount plate, cast-in-place concrete wall, tension skeleton, internal shear wall mount plate and vertical reinforcement frame, plate Shear Shear Wall Mounting Plates and Shear Inner Wall Mounting Plates are fixed to the precast steel concrete shear wall by high strength screws; It is convenient to assemble the reinforced skeleton and ensure its stable structural strength, and then pour concrete to form a cast-in-place concrete wall; the inner and outer side walls The top fixed shear wall mount plate can accelerate the construction speed of precast steel concrete shear wall and improve the construction quality of steel concrete shear wall, greatly simplifying construction process, making assembly work easier and improving work efficiency. Accompanied Drawing [FIG. 1] [FIG. 2][FIG. 3] [FIG. 4]

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

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

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

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

Application Details	
APPLICATION NUMBER	202241064085
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	09/11/2022
APPLICANT NAME	1 . Mr.Jitendra Debata 2 . Ms.Akula Rajitha 3 . Dr.Himansu Bhusan Samal 4 . Dr.Gyanranjan Mahalik 5 . Dr.Arun Kumar Mahato 6 . Dr.Nihar Ranjan Kar 7 . Dr.C.Nithya Shanthi 8 . Mr.Dhiraj Kumar 9 . Ms.Nigar Kadar Mujawar 10 . Ms.Ashwini Rajendra Suryawanshi
TITLE OF INVENTION	AN ARTIFICIAL INTELLIGENCE BASED 3D PRINTED MEDICINES FOR EFFECTIVE TREATMENT OF PATIENTS AND METHOD THEREOF
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	tumula.githam@gmail.com
ADDITIONAL-EMAIL (As Per Record)	tumula.githam@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	25/11/2022

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

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

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

Application Details	
APPLICATION NUMBER	202241065549
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	16/11/2022
APPLICANT NAME	1 . Dr. P. Pavitra 2 . Mrs. Madhavi M. N 3 . Dr. P. Srinivasan 4 . Dr. R. Thirumurthy 5 . Mr. G. Muthuboopathi 6 . Mr. Tapan Kumar Sahu 7 . Dr. Gyanranjan Mahalik 8 . Mrs. Itishree Jogamaya Das 9 . Mr. Madhusudana T. 10 . Dr. Himansu Bhusan Samal
TITLE OF INVENTION	Novel nano formulations-based drugs for enhanced bioavailability
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	03mrmanoj@gmail.com
ADDITIONAL-EMAIL (As Per Record)	03mrmanoj@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	25/11/2022

Application Status

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

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

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

Application Details	
APPLICATION NUMBER	202241062660
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	02/11/2022
APPLICANT NAME	1 . Mr.N.Balasubramanian 2 . Ms.T.Preethi 3 . Dr. Mohammed Siddique 4 . Dr. Rajnish Choubey 5 . Dr Karuna nidhi Pandagre 6 . DR. JYOTI PRASAD PATRA 7 . MS. MAYURI SONI 8 . Mrs. Raksha vishwakarma 9 . Mrs Saba parveen 10 . Dr. V.Kannan 11 . Mr.J Logeshwaran
TITLE OF INVENTION	A secure routing protocol in opportunistic internet of things network using machine learning approach.
FIELD OF INVENTION	COMMUNICATION
E-MAIL (As Per Record)	arinnapatent@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	18/11/2022

Application Status

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

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

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

Application Details	
APPLICATION NUMBER	202241065251
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	14/11/2022
APPLICANT NAME	1 . C. Padmavathy 2 . Dr Praveen Bhai Patel 3 . Mr Ramendra singh Niranjan 4 . Dr. Pasupuleti Subrahmanya Ranjit 5 . Dr. Mohammed Siddique 6 . Mr Bishnu Kant Shukla 7 . Mr. KANNADASAN B 8 . PARTHIBAN M 9 . Mr.J.Thirunavukarasu 10 . Mr Biresh Kumar 11 . Mr Pallab Banerjee 12 . Mr.J Logeshwaran
TITLE OF INVENTION	IOT based irrigation system using soil moisture sensor in agriculture field
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	arinnapatent@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	25/11/2022

Application Status

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

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

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

Application Details	
APPLICATION NUMBER	202241062141
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	01/11/2022
APPLICANT NAME	1 . Mr Goli Raja Ramesh 2 . Dr. D. Baswaraj 3 . Madhavi Udaybhan Shamkuwar 4 . Dr K Sreerama Murthy 5 . Mrs. B.Subhashree 6 . Dr. Sasmita Kumari Nayak 7 . Ms.M.Seeni Syed Raviyathu Ammal 8 . Dr. SIVAKUMAR R 9 . Mr.J Logeshwaran 10 . Dr. V.Kannan
TITLE OF INVENTION	Automatic detection and classification of eye disease using convolution neural network and image processing
FIELD OF INVENTION	BIO-CHEMISTRY
E-MAIL (As Per Record)	arinnapatent@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	18/11/2022

Application Status

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/11/2022

(21) Application No.202211068166 A

(43) Publication Date : 02/12/2022

(54) Title of the invention : AN ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING BASED DRUG DELIVERY SYSTEM FOR PREPARING MICROEMULSIONS WITH ENHANCED BIOAVAILABILITY AND METHOD THEREOF

(51) International classification :G06K0009620000, G06N0003040000, G06N0003080000, A61K0009107000, G06N0020100000

(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.Durga Madhab Mahapatra

Address of Applicant :Assistant Professor (Selection Grade), Department of Chemical Engineering, Energy Cluster, School of Engineering, University of Petroleum and Energy Studies (UPES), Dehradun, Uttarakhand, India. Pin Code:248007 ---------- ----------

2)Ms.Rupali Rupasmita Rout

3)Dr.Asmita Manna

4)Dr.CH.Venkata Kishore

5)Dr.Kalepu Swathi

6)Dr.Mitta Chaitanya

7)Ms.Pranali Shailesh Mahajan

8)Dr.Koduru Swathi

9)Mr.Nitin Vilas Kokare

10)Dr.Himansu Bhusan Samal

Name of Applicant : NA

Address of Applicant : NA

(72)**Name of Inventor :**

1)Dr.Durga Madhab Mahapatra

Address of Applicant :Assistant Professor (Selection Grade), Department of Chemical Engineering, Energy Cluster, School of Engineering, University of Petroleum and Energy Studies (UPES), Dehradun, Uttarakhand, India. Pin Code:248007 ---------- ----------

2)Ms.Rupali Rupasmita Rout

Address of Applicant :Assistant Professor, School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Bhubaneswar, Odisha, India. Pin Code:761211 ---------- ----------

3)Dr.Asmita Manna

Address of Applicant :Department of Computer Engineering, Pimpri Chinchwad College of Engineering, Pune, Maharashtra, India. Pin Code:411044 ---------- ----------

4)Dr.CH.Venkata Kishore

Address of Applicant :Assistant Professor, Department of Chemistry, Dr.Lankapalli Bullayya College, Visakhapatnam, Andhra Pradesh, India. Pin Code: 530007 ---------- ----------

5)Dr.Kalepu Swathi

Address of Applicant :Associate Professor, Department to Pharmaceutical Chemistry, Bojjam Narasimhulu Pharmacy College for Women, Saidabad, Hyderabad, Telangana, India. Pin Code:500059 ---------- ----------

6)Dr.Mitta Chaitanya

Address of Applicant :Associate Professor, Department of Pharmaceutical Analysis, Bojjam Narasimhulu Pharmacy College for Women, Saidabad, Hyderabad, Telangana, India. Pin Code:500059 ---------- ----------

7)Ms.Pranali Shailesh Mahajan

Address of Applicant :Assistant Professor, Quality Assurance Department, Womens College of Pharmacy, PethVadgaon, Kolhapur, Maharashtra, India. Pin Code:416112 ---------- ----------

8)Dr.Koduru Swathi

Address of Applicant :Assistant Professor, Department of Pharmaceutical Analysis, Bojjam Narasimhulu Pharmacy College for Women, Saidabad, Hyderabad, Telangana, India. Pin Code:500059 ---------- ----------

9)Mr.Nitin Vilas Kokare

Address of Applicant :Assistant Professor, Department of Pharmaceutical Quality Assurance, Appasaheb Birnale College of Pharmacy- Sangli, Sangli, Maharashtra, India. Pin Code:416416 ---------- ----------

10)Dr.Himansu Bhusan Samal

Address of Applicant :Associate Professor, Department of Pharmaceutics, School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Ramchandrapur, Jatni, Bhubaneswar, Odisha, India. Pin Code:752050 ---------- ----------

(57) Abstract :

The present invention discloses a drug delivery system by using Artificial Intelligence interfaces for preparing microemulsions to enhance bioavailability and working method thereof. In order to overcome the drawbacks of response surface methodology, such as the inaccurate estimation of the optimal emulsions, stable oil-in-water emulsions have been prepared using an AI interface capable of optimising and modelling the complex relationships between the formulation parameters and their effects on the quality of the finished product wherein the AI interface is also used to maximise the concentration of a fatty alcohol. Further, combining evolving Convolutional Neural Network (CNNs) with a support vector machine SVM for successfully predicting the types and internal architectures of microemulsions.

No. of Pages : 19 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :20/09/2022

(21) Application No.202211053620 A

(43) Publication Date : 07/10/2022

(54) Title of the invention : ARTIFICIAL INTELLIGENCE BASED APPROACH TO STUDY THE IMPACT OF TOPICAL NANO ADJUVANTS FOR ERADICATION OF SKIN CANCER

(51) International classification :A61K0031000000; G16H0050200000; A61K0039395000; G06N0020000000; C07K0014435000

(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)SATYA PRAKASH SINGH
Address of Applicant :INSTITUTE OF PHARMACY DR. RAM MANOHAR LOHIA AVADH UNIVERSITY AYODHYA ---------- ----------
2)DEEPTI DWIVEDI
3)Dr. SWARNLATA SARAF
4)Ms. TARANJEET KUKREJA
5)Mrs.SHRUTI PAUL
6)Mr. JHAKESHWAR PRASAD
7)AHTESHAM AHMAD
8)ROFIQUL ISLAM
9)SUSHMITA SRIVASTAVA
10)SUHAS SURESH AGEY
11)PROF(Dr.)ARNABADITYA MOHANTY
12)SIDHARTHA PARIDA
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)SATYA PRAKASH SINGH
Address of Applicant :INSTITUTE OF PHARMACY DR. RAM MANOHAR LOHIA AVADH UNIVERSITY AYODHYA ---------- ----------
2)DEEPTI DWIVEDI
Address of Applicant :INSTITUTE OF PHARMACY- DR RAM MANOHAR LOHIA AVADH UNIVERSITY AYODHYA AYODHYA ---------- ----------
3)Dr. SWARNLATA SARAF
Address of Applicant :DIRECTOR, UNIVERSITY INSTITUTE OF PHARMACY, PANDIT RAVISHANKAR SHUKLA UNIVERSITY, RAIPUR - 492001, CHHATTISGARH, INDIA RAIPUR ---------- ----------
4)Ms. TARANJEET KUKREJA
Address of Applicant :PHD RESEARCH SCHOLAR, UNIVERSITY INSTITUTE OF PHARMACY, PANDIT RAVISHANKAR SHUKLA UNIVERSITY, RAIPUR - 492001, CHHATTISGARH, INDIA RAIPUR ---------- ----------
5)Mrs.SHRUTI PAUL
Address of Applicant :ASSISTANT PROFESSOR, BHARTI VISHWAVIDYALAYA, SCHOOL OF PHARMACY , CHANDKHURI, DURG - 491001, CHHATTISGARH, INDIA DURG ---------- ----------
6)Mr. JHAKESHWAR PRASAD
Address of Applicant :ASSISTANT PROFESSOR, SHRI SHANKARACHARYA COLLEGE OF PHARMACEUTICAL SCIENCES, JUNWANI, BHILAI - 490020, CHHATTISGARH, INDIA BHILAI ---------- ----------
7)AHTESHAM AHMAD
Address of Applicant :ASSISTANT PROFESSOR, BABU SUNDER SINGH COLLEGE OF PHARMACY, NIGOHAN, RAEBARELI ROAD, LUCKNOW - 226302 LUCKNOW ---------- ----------
8)ROFIQUL ISLAM
Address of Applicant :ASSISTANT PROFESSOR, SCHOOL OF PHARMACEUTICAL SCIENCES, UNIVERSITY OF SCIENCE AND TECHNOLOGY MEGHALAYA, RHI-BHOI-793101 TECHNOCITY ---------- ----------
9)SUSHMITA SRIVASTAVA
Address of Applicant :BABU SUNDAR SINGH COLLEGE OF PHARMACY,NIGOHAN, LUCKNOW LUCKNOW ---------- ----------
10)SUHAS SURESH AGEY
Address of Applicant :ASSISTANT PROFESSOR, DEPT OF PHARMACOLOGY, SCHOOL OF PHARMACY AND TECHNOLOGY MANAGEMENT SVKM'S NMIMS UNIVERSITY, SHIRPUR-425405 SHIRPUR ---------- ----------
11)PROF(Dr.)ARNABADITYA MOHANTY
Address of Applicant :PRINCIPAL,THE PHARMACEUTICAL COLLEGE,SAMLESWARI VIHAR,TINGIPALI,BARPALI-768029 BARPALI,BARGARH ---------- ----------
12)SIDHARTHA PARIDA
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACEUTICS, SCHOOL OF PHARMACY, CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, GOPALPUR, BALASORE PIN-756044 BALASORE ---------- ----------

(57) Abstract :
Eradication of Skin Cancer is the proposed invention. The proposed invention focuses on analysing the properties of nano adjuvants in eradicating skin cancer. The intention of the proposed invention Artificial Intelligence based approach to study the impact of Topical Nano adjuvants for is to study the efficacy of drug molecules when applied topically or externally. The algorithms of Artificial Intelligence are used for predicting the efficiency of nano materials in treating skin cancer.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :26/09/2022

(21) Application No.202231055096 A

(43) Publication Date : 21/10/2022

(54) Title of the invention : ARTIFICIAL INTELLIGENCE-BASED TECHNIQUE TO ANALYSE THE IMPACT OF NANOPARTICLES IN IMPROVING HAIR FOLLICLES

(51) International classification :A61Q0007000000, A61B0017340000, A61Q0005000000, A61K0039395000, A61F0002100000

(86) International Application No Filing Date :PCT// 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)MR. PRAGATI RANJAN SATPATHY
Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF PHARMACEUTICAL ANALYSIS,SRI JAYADEV COLLEGE OF PHARMACEUTICAL SCIENCES, NAHARKANTA, BHUBANESWAR-752101 BHUBANESWAR ---------- ----------
2)MADHU CHHANDA MISHRA
3)DR.ARJUN GOJE
4)DR. SAROJ KUMAR RAUL
5)SATYABRATA JENA
6)DR. THATIKONDA KEERTHI
7)MRS. K. SUMALATHA
8)DR. LUBHAN SINGH
9)MRS E SHRAVANA JYOTHI
10)SIDHARTHA PARIDA
11)DR.CHANDRA SEKHAR BARIK
12)YAGNAMBHATLA RAJENDRA
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)MR. PRAGATI RANJAN SATPATHY
Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF PHARMACEUTICAL ANALYSIS,SRI JAYADEV COLLEGE OF PHARMACEUTICAL SCIENCES, NAHARKANTA, BHUBANESWAR-752101 BHUBANESWAR ---------- ----------
2)MADHU CHHANDA MISHRA
Address of Applicant :ASSOCIATE PROFESSOR/DEPARTMENT OF PHARMACEUTICAL ANALYSIS/SRI JAYADEV COLLEGE OF PHARMACEUTICAL SCIENCES/NAHARKANTA, BHUBANESWAR/752101 BHUBANESWAR ---------- ----------
3)DR.ARJUN GOJE
Address of Applicant :ASSOCIATE PROFESSOR/DEPARTMENT OF PHARMACEUTIS,TEEGALA RAM REDDY COLLEGE OF PHARMACY,HYDRABAD,500097 HYDERABAD ---------- ----------
4)DR. SAROJ KUMAR RAUL
Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF PHARMACEUTICAL CHEMISTRY, MAHARAJAH'S COLLEGE OF PHARMACY, VIZIANAGRAM, 535002 VIZIANAGRAM ---------- ----------
5)SATYABRATA JENA
Address of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF PHARMACEUTICS, BHASKAR PHARMACY COLLEGE, HYDERABAD, 500075 HYDERABAD ---------- ----------
6)DR. THATIKONDA KEERTHI
Address of Applicant :ASSISTANT PROFESSOR,DEPARTMENT OF PHARMACY PRACTICE, ST PAULS COLLEGE OF PHARMACY, TURKAYAMJAL, 501510 TURKAYAMJAL ---------- ----------
7)MRS. K. SUMALATHA
Address of Applicant :ASST PROFESSOR,DEPARTMENT OF PHARMACOGNOSY, BHASKAR PHARMACY COLLEGE, 500075 HYDERABAD ---------- ----------
8)DR. LUBHAN SINGH
Address of Applicant :PROFESSOR, DEPARTMENT OF PHARMACOLOGY , KHARVEL SUBHARTI COLLEGE OF PHARMACY, SWAMI VIVEKANAND SUBHARTI UNIVERSITY-250005 MEERUT ---------- ----------
9)MRS E SHRAVANA JYOTHI
Address of Applicant :ASSISTANT PROFESSOR,DEPARTMENT OF PHARMACOLOGY, ST PAULS COLLEGE OF PHARMACY, TURKAYAMJAL, 501510 HYDERABAD ---------- ----------
10)SIDHARTHA PARIDA
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACEUTICS,SCHOOL OF PHARMACY, CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, GOPALPUR, BALAOSRE,756044 BHUBANESWAR ---------- ----------
11)DR.CHANDRA SEKHAR BARIK
Address of Applicant :ASSISTANT PROFESSOR,DEPT OF PHARMACOLOGY, INSTITUTE OF PHARMACY AND TECHNOLOGY,SALIPUR, CUTTACK , ODISHA,PIN_754202 CUTTACK ---------- ----------
12)YAGNAMBHATLA RAJENDRA
Address of Applicant :ASSOCIATE PROFESSOR , DEPARTMENT OF PHARMACEUTICAL CHEMISTRY, MAK COLLEGE OF PHARMACY, MOINABAD, RANGAREDDY,501504 RANGAREDDY ---------- ----------

(57) Abstract :
Artificial intelligence-based technique to analyse the impact of nanoparticles in improving Hair Follicles is the proposed invention. The proposed invention aims at designing a framework of Artificial Intelligence for analysing the condition of hairs. The scalp is imaged to look for hair follicles diameter. The direct delivery of nano particles to the hair roots is analysed to stop hair fall and improve hair growth.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/11/2022

(21) Application No.202241063289 A

(43) Publication Date : 25/11/2022

(54) Title of the invention : ARTIFICIAL INTELLIGENCE BASED APPROACH TO PREDICT THE ROLE OF NANOPARTICLES IN TARGETING VENTRICULAR FIBRILLATIONS

(51) International classification :A61P0009000000, G06N0003020000, G16H0030400000, G16H0050300000, G06N0020000000

(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)Ms. SAMEENA BEGUM
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACEUTICS, ANWARUL ULOOM COLLEGE OF PHARMACY, NEW MALLEPALLY, HYDERABAD, TELANGANA-INDIA-500001 HYDERABAD ---------- ----------
2)Mr. SYED AHMED
3)Ms. AMRITA NAYAK
4)Ms. MEENAKSHI SHARMA
5)Dr. ARANABADITYA MOHANTY
6)Mr. PRITISH KUMAR PASAYAT
7)Mr. SIDHARTHA PARIDA
8)Ms. NAZIA FARHEEN
9)Mr. MOHD MOHIUDDIN SHAREEF
10)Dr. MOHAMMAD ZIAUDDIN
11)Dr. NILOFER SHAMS
12)Mr. MOHAMMED AMADUDDIN KHAN
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
1)Ms. SAMEENA BEGUM
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACEUTICS, ANWARUL ULOOM COLLEGE OF PHARMACY, NEW MALLEPALLY, HYDERABAD, TELANGANA-INDIA-500001 HYDERABAD ---------- ----------
2)Mr. SYED AHMED
Address of Applicant :ASSISTANT PROFESSOR ,DEPARTMENT OF PHARMACEUTICS,GLAND INSTITUTE OF PHARMACEUTICAL SCIENCES, SHANGRILA,KOTHAPET,MEDAK,HYDERABAD, TELANGANA-INDIA-502220 HYDERABAD ---------- ----------
3)Ms. AMRITA NAYAK
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACEUTICS, DANTESWARI COLLEGE OF PHARMACY,JAGDALPUR,,CHHATTISGARH, 494221 JAGDALPUR ---------- ----------
4)Ms. MEENAKSHI SHARMA
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACOGNOSY,ITS COLLEGE OF PHARMACY, MURAD NAGAR, GHAZIABAD, UTTAR PRADESH, INDIA-201206 GHAZIABAD ---------- ----------
5)Dr. ARANABADITYA MOHANTY
Address of Applicant :PROFESSOR & PRINCIPAL,THE PHARMACEUTICAL COLLEGE, BARPALI, SAMLESWARI VIHAR, TANGIPALLI, BARPALI,BARGARH, ODISHA, INDIA-768029 BARPALI ---------- ----------
6)Mr. PRITISH KUMAR PASAYAT
Address of Applicant :ASSISTANT PROFESSOR , DEPARTMENT OF PHARMACEUTICS,SRI JAYADEV COLLEGE OF PHARMACEUTICAL SCIENCES, NAHARKANTA, BHUBANESWAR, ODISHA-INDIA-752101 BHUBANESWAR ---------- ----------
7)Mr. SIDHARTHA PARIDA
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACEUTICS,SCHOOL OF PHARMACY ,CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, GOPALPUR,BALASORE, ODISHA, INDIA, 756044 BALASORE ---------- ----------
8)Ms. NAZIA FARHEEN
Address of Applicant :ASSISTANT PROFESSOR , DEPARTMENT OF PHARMACOLOGY, ANWARUL ULOOM COLLEGE OF PHARMACY, NEW MALLEPALLY, HYDERABAD, TELANGANA-INDIA-500001 HYDERABAD ---------- ----------
9)Mr. MOHD MOHIUDDIN SHAREEF
Address of Applicant :ASSISTANT PROFESSOR , DEPARTMENT OF PHARMACOLOGY, MESCO COLLEGE OF PHARMACY, KARWAN ROAD,MUSTAID PURA, HYDERABAD, TELANGANA-INDIA-500006 HYDERABAD ---------- ----------
10)Dr. MOHAMMAD ZIAUDDIN
Address of Applicant :PROFESSOR AND HOD , DEPARTMENT OF PHARMACOGNOSY, MESCO COLLEGE OF PHARMACY, KARWAN ROAD,MUSTAID PURA, HYDERABAD, TELANGANA-INDIA-500006 HYDERABAD ---------- ----------
11)Dr. NILOFER SHAMS
Address of Applicant :ASSISTANT PROFESSOR , DEPARTMENT OF PHARMACY PRACTICE, MESCO COLLEGE OF PHARMACY, KARWAN ROAD,MUSTAID PURA, HYDERABAD, TELANGANA-INDIA-500006 HYDERABAD ---------- ----------
12)Mr. MOHAMMED AMADUDDIN KHAN
Address of Applicant :ASSISTANT PROFESSOR , DEPARTMENT OF PHARMACEUTICS, ANWARUL ULOOM COLLEGE OF PHARMACY, NEW MALLEPALLY, HYDERABAD, TELANGANA-INDIA-500001 HYDERABAD ---------- ----------

(57) Abstract :
Artificial Intelligence based approach to predict the role of nanoparticles in targeting Ventricular Fibrillations is the proposed invention. The invention focuses on utilizing the algorithms of Artificial Intelligence for treating heart disease efficiently. The proposed invention will analyze the heart condition in depth for predicting ventricular fibrillations at the earlier stage itself.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

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

(21) Application No.202241064454 A

(43) Publication Date : 02/12/2022

(54) Title of the invention : MACHINE LEARNING BASED APPROACH TO PREDICT THE IMPACT OF ANTI-MICROBIAL RESISTANCE FOR ANIMAL PRODUCTION

(51) International classification :G06N0020000000, G06Q0010000000, G06K0009620000, H04W0004029000, G06N0005000000

(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.SUBHA
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF MICROBIOLOGY, DR LANKAPALLI BULLAYYA COLLEGE, VISAKHAPATNAM VISAKHAPATNAM ---------- ----------
2)Dr. CHANDRASHEKHAR RAMESHWAR KASAR
3)Dr. G. SELVAMANGAI
4)DEEPA VH
5)Dr RAJESH SUDHAKAR WAKCHAURE
6)Ms. FAREEHA QURESHI
7)Dr. SYED SAFIULLAH GHORI
8)Dr.K.MAHENDRAN
9)Dr SHAHAJI SHIVAJI CHANDANSHIVE
10)Dr.KALPESHKUMAR B. SOLANKI
11)Mr. SIDHARTHA PARIDA
12)Prof. PRASHANT ADSULE
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)Dr S.SUBHA
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF MICROBIOLOGY, DR LANKAPALLI BULLAYYA COLLEGE, VISAKHAPATNAM VISAKHAPATNAM ---------- ----------
2)Dr. CHANDRASHEKHAR RAMESHWAR KASAR
Address of Applicant :ASSISTANT PROFESSOR ,HOD,DEPARTMENT OF ZOOLOGY, S. P. M. SCIENCE AND GILANI ARTS, COMMERCE COLLEGE, GHATANJI,AT POST :- GHATANJI,DISTRICT YAVATMAL, 445301, GHATANJI ---------- ----------
3)Dr. G. SELVAMANGAI
Address of Applicant :HEAD OF THE DEPARTMENT, BIOTECHNOLOGY, ALPHA ARTS AND SCIENCE COLLEGE, CHENNAI 600116 CHENNAI ---------- ----------
4)DEEPA VH
Address of Applicant :ASSISTANT PROFESSOR, DEPT OF LIFE SCIENCES, AIMS INSTITUTES, BANGALORE. 560058 BANGALORE ---------- ----------
5)Dr RAJESH SUDHAKAR WAKCHAURE
Address of Applicant :ASSISTANT PROFESSOR, VETERINARY POLYTECHNIC, JAGDALPUR, CHHATTISGARH, JAGDALPUR ---------- ----------
6)Ms. FAREEHA QURESHI
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACOLOGY, ANWARUL ULOOM COLLEGE OF PHARMACY, HYDERABAD, 500001, HYDERABAD ---------- ----------
7)Dr. SYED SAFIULLAH GHORI
Address of Applicant :PROFESSOR, DEPARTMENT OF PHARMACOLOGY, ANWARULULOOM COLLEGE OF PHARMACY, NEW MALLEPALLY, HYDERABAD, TELANGANA, HYDERABAD ---------- ----------
8)Dr.K.MAHENDRAN
Address of Applicant :ASSOCIATE PROFESSOR , DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, JANSONS INSTITUTE OF TECHNOLOGY, COIMBATORE 641659 COIMBATORE ---------- ----------
9)Dr SHAHAJI SHIVAJI CHANDANSHIVE
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF ZOOLOGY, SHIKSHAN MAHARSHI GURUVARY R G SHINDE MAHAVIDYALAYA PARANDA DIST OSMANABAD PARANDA ---------- ----------
10)Dr.KALPESHKUMAR B. SOLANKI
Address of Applicant :SCHOOL OF FORENSICS, RISK MANAGEMENT &NATIONAL SECURITY, RASHTRIYA RAKSHA UNIVERSITY, LAVAD, GANDHINAGAR, 382305 LAVAD ---------- ----------
11)Mr. SIDHARTHA PARIDA
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACEUTICS, SCHOOL OF PHARMACY, CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, BALAOSRE,PIN-756044 BALAOSRE ---------- ----------
12)Prof. PRASHANT ADSULE
Address of Applicant :AJEENKYA D Y PATIL UNIVERSITY-SCHOOL OF HOTEL MANAGEMENT PUNE ---------- ----------

(57) Abstract :
Machine Learning based approach to predict the impact of Anti-microbial Resistance for Animal Production is the proposed invention. The invention aims at utilizing the algorithms of machine learning for predicting the impact of antimicrobial resistance. The proposed invention focuses on improving animal production through anti-microbial resistance.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241065523 A

(19) INDIA

(22) Date of filing of Application :15/11/2022

(43) Publication Date : 25/11/2022

(54) Title of the invention : Nano-Drug Delivery System of Anti-Cancer drug and Method thereof

(51) International classification :A61P0035000000, A61P0043000000, A61K0009510000, A61K0045060000, A61K0031165000

(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)Mr. Bikash Ranjan Jena
Address of Applicant :Ph.D Research Scholar, Department of Pharmacy, Koneru Lakshmaiah Education Foundation, Vaddeswaram, Guntur-522502, Andhra Pradesh, India. Guntur ---------- ----------

2)Dr. GSN Koteswara Rao

3)Dr. Areti Anka Rao

Name of Applicant : NA

Address of Applicant : NA

(72)**Name of Inventor :**

1)Mr. Bikash Ranjan Jena
Address of Applicant :Ph.D Research Scholar, Department of Pharmacy, Koneru Lakshmaiah Education Foundation, Vaddeswaram, Guntur-522502, Andhra Pradesh, India. Guntur ---------- ----------

2)Dr. GSN Koteswara Rao
Address of Applicant :M.Pharm, Ph.D, Professor and Head, Department of Pharmacy, School of Medical and Allied Sciences, Galgotias University, Greater Noida-203201, Uttara Pradesh, India. Greater Noida ---------- ----------

3)Dr. Areti Anka Rao
Address of Applicant :Associate Professor, M.Pharm, Ph.D, Department of Pharmacy, Koneru Lakshmaiah Education Foundation, Vaddeswaram, Guntur-522502, Andhra Pradesh, India. Guntur ---------- ----------

4)Dr. Guntupalli Chakravarthi
Address of Applicant :M.Pharm, Ph.D Professor and Principal. Department of Pharmacy, Koneru Lakshmaiah Education Foundation Deemed to be University. Vaddeswaram, Guntur-522502, Andhra Pradesh, India Guntur ---------- ----------

5)Dr. Rajasekhar Reddy Alavala
Address of Applicant :M.Pharm, Ph.D Assistant Professor, Shobhaben Pratapbhai Patel School of Pharmacy & Technology Management, SVKM's NMIMS, Vile Parle (W), Mumbai-400056, Maharashtra, India. Mumbai ---------- ----------

6)Dr. Malothu Narender
Address of Applicant :M.S (Pharm.), Ph.D., Associate Professor, RPAC Chairman KL College of Pharmacy, KLEF Deemed to be University, Vaddeswaram, Guntur-522502, Andhra Pradesh, India Guntur ---------- ----------

7)Dr. Naga Jogayya Kothakota
Address of Applicant :MSc. Ph.D, HOD Assistant Professor School of Forensic Sciences Centurion University of Technology and Management Jatani, Bhubaneswar-752054, Odisha, India Bhubaneswar ---------- ----------

8)Dr. Suryakanta Swain
Address of Applicant :Professor and Dean M.Pharm, Ph.D. School of Pharmacy and Paramedical Sciences, K.K. University, Berauti, Bihar Sharif, Nalanda-803115, Bihar, India Nalanda ---------- ----------

9)Mr. Sangram Kishore Routray
Address of Applicant :M.Tech, School of Forensic Sciences Centurion University of Technology and Management Jatani, Bhubaneswar-752054, Odisha, India Bhubaneswar ---------- ----------

10)Mr. Rajib Lochan Maharana
Address of Applicant :M.Pharm (Ph.D) Research Scholar Biju Pattnaik University of Technology (BPUT), Rourkela-769011 Odisha, India. Rourkela ---------- ----------

11)Mr. Abhisek Sahu
Address of Applicant :M.Pharm, Assistant Professor School of Pharmacy & Life Sciences Centurion University of Technology and Management Jatani, Bhubaneswar-752054, Odisha, India Bhubaneswar ---------- ----------

(57) Abstract :

ABSTRACT: Title: Nano-Drug Delivery System of Anticancer drug and Method thereof The present disclosure proposes a nano-drug delivery system of anticancer drug and the method thereof. The nano-drug delivery system 100 of anticancer drug provides a drug profile selection module 102, a nano-drug delivery module 104, an identification module 106, a risk assessment module 108, and a solvent addition module 110—the nano-drug delivery system 100 of anticancer drug aids in treating hormone-resistant prostate cancer. Minimum energy consumption is required, and the proposed system provides effective waste management while preparing the anticancer drug. The optimum formulations of the anticancer drug are developed with a minimum number of trial runs. In addition, the patient safety and effectiveness of the anticancer drug are enhanced by decreasing the patient's pill burden.

No. of Pages : 18 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241065250 A

(19) INDIA

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

(43) Publication Date : 25/11/2022

(54) Title of the invention : Magnetic spinel ferrite nanoparticles (SFNPs) for targeted drug delivery of cytotoxic drugs in disease treatment

(51) International classification :A61K0009510000, C07F0015000000, B82Y0005000000, B01J0020280000, A61P0035000000

(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. Kanta Jayadev
Address of Applicant :Assistant Professor, Department of Physics & Electronics, P.R. Government College (A), Kakinada, Andhra Pradesh, India, Pincode: 533003 ---------- ----------
2)Mr. A. Kishore Babu
3)Dr. Kalyani Thota
4)Dr. M. Punithavathi
5)Dr. S. A. Sreenivas
6)Dr. S. Manimaran
7)Ms. Sucharita Babu
8)Dr. S. Vasthi Gnana Rani
9)Dr. J. Suresh
10)Mr. Nookala S S N Murty
11)Dr. P. Pavitra
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)Dr. Kanta Jayadev
Address of Applicant :Assistant Professor, Department of Physics & Electronics, P.R. Government College (A), Kakinada, Andhra Pradesh, India, Pincode: 533003 ---------- ----------
2)Mr. A. Kishore Babu
Address of Applicant :Assistant Professor, Department of Chemistry, Sri Sairam Engineering College, West Tambaram, Chennai, Tamilnadu, India, Pincode:600 044 ---------- ----------
3)Dr. Kalyani Thota
Address of Applicant :Associate Professor, Department of Physics, KKR & KSR Institution and Technology, Vinjanampadu, Guntur, Andhra Pradesh, India, Pincode: 522017 ---------- ----------
4)Dr. M. Punithavathi
Address of Applicant :Assistant Professor, Department of Biochemistry, Marudharkesari Jain College for Women, Vaniyambadi, Tirupattur District, Tamilnadu, India, Pincode: 635751 ---------- ----------
5)Dr. S. A. Sreenivas
Address of Applicant :Professor & Principal, Department of Pharmacy, Sree Dattha Institute of Pharmacy, Hyderabad, Telangana, India, Pincode: 501510 ---------- ----------
6)Dr. S. Manimaran
Address of Applicant :Head, PG Department of Physics, Srinivasan College Of Arts & Science, Perambalur, Tamil Nadu, India, Pincode: 621212 ---------- ----------
7)Ms. Sucharita Babu
Address of Applicant :Assistant Professor, School of Pharmacy and Life Sciences, Centurion University of Technology and Management, Ramachandrapur, Jatni, Bhubaneswar, Odisha, India, Pincode: 752050 ---------- ----------
8)Dr. S. Vasthi Gnana Rani
Address of Applicant :Assistant Professor, Department of Chemistry, SRM Institute of Science and Technology, Ramapuram Campus, Chennai, Tamilnadu, India, Pincode: 600 089 ---------- ----------
9)Dr. J. Suresh
Address of Applicant :Assistant Professor, Department of Physics, BVC College of Engineering, Palacharla, Rajamahendravaram, E.G.(District), Andhra Pradesh, India, Pincode:533102 ---------- ----------
10)Mr. Nookala S S N Murty
Address of Applicant :Associate Professor Department of Physics, International School of Technology and Science for Women (ISTS), Rajanagaram, Rajamahendravaram, E.G. Dt, Andhra Pradesh, India, Pincode: 533294 ---------- ----------
11)Dr. P. Pavitra
Address of Applicant :Assistant Professor, Department of H & BS (Chemistry), Dadi Institute of Engineering & Technology, Anakapalli, Visakhapatnam, Andhra Pradesh, India, Pincode:521139 ---------- ----------

(57) Abstract :
A nanotherapeutic that contains platinum complexes contained inside a nanoformulation that contains at least one spinel ferrite of the formula $CuFe_2O_4$, $NiFe_2O_4$, $CoFe_2O_4$, and $MnFe_2O_4$ placed on mesoporous silica. A method for the preparation of the nanotherapeutic that involves forming a powdery mixture by combining a metal(II) salt and a Fe(III) salt with the mesoporous silica nanoparticles, calcining the powdery mixture to form the nanoformulation, and then combining the nanoformulation with the platinum complex.

No. of Pages : 23 No. of Claims : 4

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

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

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

Application Details	
APPLICATION NUMBER	202241055209
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	27/09/2022
APPLICANT NAME	1 . Dr. Dindigala Raju 2 . Mr. Vinayak Kishan Nirmale 3 . Dr. C. Siva Sankar 4 . Mrs. N. Jeebaratnam 5 . Dr. Durgaprasad Navulla 6 . Dr. V. Kusuma Kumari 7 . Mr. Aadooru Suman
TITLE OF INVENTION	SYSTEM AND METHOD FOR LEARNING ALPHABETIC AND MATHEMATICAL EXPRESSIONS USING A DIGITAL ASSISTANCE
FIELD OF INVENTION	PHYSICS
E-MAIL (As Per Record)	03mrmanoj@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	07/10/2022

Application Status	
APPLICATION STATUS	Awaiting Request for Examination

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

INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

Application Details

APPLICATION NUMBER	202211065898
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	17/11/2022
APPLICANT NAME	1 . Dr RAM KUMAR GARG 2 . SAKSHI DEEPAK KAKADE 3 . CH. CHAKRADHARA RAO 4 . PERLA RATNA KUMARI 5 . Ms. SWAGATIKA DAS 6 . Mr. SUJIT KUMAR PATRO 7 . Dr.D.KAMALAKKANNAN 8 . Dr. SUSHIL KUMAR 9 . Dr.A.SASI KUMAR 10 . AMOL D. SONAWANE 11 . Dr. KRANTI KIRAN REDDY EALLA 12 . PRAVEEN KUMAR POOLA
TITLE OF INVENTION	CLOUD BASED TECHNIQUE INTEGRATED WITH ARTIFICIAL INTELLIGENCE (AI) TO PREDICT THE HEART DISEASES IN ADVANCE AND AVOIDING THE SUDDEN AND MASSIVE HEART ATTACKS
FIELD OF INVENTION	BIO-CHEMISTRY
E-MAIL (As Per Record)	sgowthami12@gmail.com
ADDITIONAL-EMAIL (As Per Record)	sgowthami12@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	09/12/2022

Application Status

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:

ENTURION UNIVERSITY OF TECHNOLOGY & MANAGEMENT, ODISHA; SMRUTI RANJAN NAYAK; DR. MADHUSMITA CHOUDHURY

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

2022/07882

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

In te[illegible]y thereof, the seal of the Patent Office has been affixed at Pretoria with effect from the 28th day of September 2022

.....

Registrar of Patents

2020-21 1

ORIGINAL

No. 96351

भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE

CERTIFICATE OF REGISTRATION OF DESIGN

Design No.	**330537-001**
Date	**29/06/2020 23:11:27**
Reciprocity Date*	
Country	

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 12-08 in respect of the application of such design to COMPACT COMMERCIAL ELECTRIC VEHICLE in the name of CENTURION UNIVERSITY OF TECHNOLOGY & MANAGEMENT (CUTM), AT-ALLURI NAGAR, PO-R.SITAPUR, VIA-UPPALADA, PARLAKHEMUNDI-761211, GAJAPATI DIST, ODISHA, INDIA

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

Controller General of Patents, Designs and Trade Marks

***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 underthe 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

HIMA BINDU ATTI,
NOVEL PATENT SERVICES PVT LTD HIG-421, MANSITA, ABOVE PUNJAB NATIONAL BANK, MIDHILAPURI VUDA COLONY, P.M.PALEM, VISAKHAPATNAM-530041, ANDHRA PRADESH, INDIA

Date of Issue 08/03/2021 13:03:35

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/04/2021

(21) Application No.202141018335 A

(43) Publication Date : 30/04/2021

(54) Title of the invention : ARTIFICIAL INTELLIGENCE BASED ANIMAL DETECTION AND IDENTIFICATIO FOR PROTECTION OF FIELD CROPS

(51) International classification	:A01M0029160000, G06Q0050020000, A01M0029100000, G06K0009620000, A01M0031000000
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)Name of Applicant :
1)Dr.Aruna Kumari Nakkella
Address of Applicant :Assistant Principal, Dr.B University, Srikakulam, D.No: 20-14-13, Ramachar Near SBI, Kambal Tank Branch, Rajamahendravara Godavari-533103, Andhra Pradesh, India. Andhra P
2)Dr.V.Nagalakshmi
3)Dr.T.Vidhyavathi
4)Dr.S.Srilalitha
5)Prof. P.Srinivas Subbarao
6)Dr.Mohan Seelam
7)Srivastava. Pratima Kumari
8)Devendra Singh
9)Dr.Sandeep Rout
10)Dr.Kalyani Pradhan
11)Mr.Ajay Kumar Prusty
12)Dr.P.Sri Rama Murthy
13)Dr.M.Sulochana
14)Dr.Ananda Vayaravel Cassinadane
15)Mrs.Lipsa Dash

(72)Name of Inventor :
1)Dr.Aruna Kumari Nakkella
2)Dr.V.Nagalakshmi
3)Dr.T.Vidhyavathi
4)Dr.S.Srilalitha
5)Prof. P.Srinivas Subbarao
6)Dr.Mohan Seelam
7)Srivastava. Pratima Kumari
8)Devendra Singh
9)Dr.Sandeep Rout
10)Dr.Kalyani Pradhan
11)Mr.Ajay Kumar Prusty
12)Dr.P.Sri Rama Murthy
13)Dr.M.Sulochana
14)Dr.Ananda Vayaravel Cassinadane
15)Mrs.Lipsa Dash

(57) Abstract :
ABSTRACT: Title: Artificial Intelligence Based Animal Detection and Identification System for Protection of Field Cr present disclosure proposes an artificial intelligence based animal detection and identification system for protection of f The system comprises of an animal detection module 101, a video capturing module 102, a position detection module 1 processing module 104, a projection module 105, and a sound producing module 106. The system 100 system protects t from wild animals by projecting 3-D image along with sounds of a natural enemy animal. The proposed system projects three dimensional images of multiple natural enemy animals based on number of the identified animals in the protection system is capable of detecting animals in any climate condition, such as in hot weather condition. The proposed system harm to the animals or the environment, or inconvenience to humans who might enter the protected area.

No. of Pages : 18 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202141010684 A

(19) INDIA

(22) Date of filing of Application :13/03/2021

(43) Publication Date : 19/03/2021

(54) Title of the invention : ARTIFICIAL INTELLIGENCE BASED SMART TOUCHLESS MEDICINE DISPENSING SYSTEM

(51) International classification	:G07F0017000000, G06Q0050220000, G16H0020130000, A61J0007000000, G16H0020100000
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:PCT// :01/01/1900
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
1)Dr. M. Akiful Haque,Anurag University
Address of Applicant :School Of Pharmacy, Anurag University, Venkatapur, Medchal Dist, Hyderabad Telangana India 500088 Telangana India
2)Dr.Dibyalochan Mohanty,Anurag University
3)Dr.Chembeti Praveen Kumar,Ratnam Institute of Pharmacy
4)Mr.Venugopalaiah Penabaka,Ratnam Institute of Pharmacy
5)Dr.Pratap Kumar Patra,Sree Dattha Institute of Pharmacy
6)Ladi Alik Kumar,Centurian University of Technology and Management
7)Anjana Devi,Career Point University
8)Bhawana Bhatt,Shri Guru Ram Rai University
9)Sudhakar Kaushik,Shri Guru Ram Rai University
10)Mr. Neeraj Bhandari,Sri Sai College Of Pharmacy
11)Mr. Tarun Kumar,Laureate Institute of Pharmacy
12)Mr. Sanjay Kumar,Gautam college of Pharmacy

(72)**Name of Inventor :**
1)Dr. M. Akiful Haque,Anurag University
2)Dr.Dibyalochan Mohanty,Anurag University
3)Dr.Chembeti Praveen Kumar,Ratnam Institute of Pharmacy
4)Mr.Venugopalaiah Penabaka,Ratnam Institute of Pharmacy
5)Dr.Pratap Kumar Patra,Sree Dattha Institute of Pharmacy
6)Ladi Alik Kumar,Centurian University of Technology and Management
7)Anjana Devi,Career Point University
8)Bhawana Bhatt,Shri Guru Ram Rai University
9)Sudhakar Kaushik,Shri Guru Ram Rai University
10)Mr. Neeraj Bhandari,Sri Sai College Of Pharmacy
11)Mr. Tarun Kumar,Laureate Institute of Pharmacy
12)Mr. Sanjay Kumar,Gautam college of Pharmacy

(57) Abstract :
In this pandemic era, technology dependent solutions are demanded for preventing the spread of contagious disease COVID-19 as the medical officers have themselves become victim to the disease while treating the patients. Eventually, the patients has to be cured which is possible by providing timely medication. This invention proposes an autonomous touchless medicine dispensing system for providing service to victims in the hospital ward based on Artificial Intelligence algorithm. Lack of experienced medical officers, also leads to huge death of human life. The proposed system is an innovative robotic mobile system able to provide timely medication to save human life to greater extent without the issue of pandemic spread. 3D modeling of the system is done using Pro- Engineer software. The system is able to detect specific patient using infrared technique which scans the unique digital code allocated for the patient bed. Dispensing of the medicine is done based on infrared counter where the medicines are dispensed based on doctor™s prescription. Medicines are dispensed touchless in disposable containers to every patient autonomously at their ward itself. This system is efficient in providing immediate medication without any considerable delay to the victims without human intervention.

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

Australian Government
IP Australia

CERTIFICATE OF GRANT
INNOVATION PATENT

Patent number: 2020103242

The Commissioner of Patents has granted the above patent on 3 March 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

R. Bhaskaran of Department of Information Technology PSNA College of Engineering and Technology, K R Nagar, Dindigul, Tamil Nadu, 624622 India

Hiren Dekate of Department of Zoology, ICLES Motilal Jhunjhunwala College Sector 9A, Amlendu Roye Marg, Vashi, Navi Mumbai 400703 India

P. Ravindra Kumar of Department of Mechanical Engineering Lakireddy Bali Reddy College of Engineering, Mylavaram, Andhra Pradesh, 521230 India

M. Gurusamy of PG Dept of Commerce & Management Studies, Brindavan College, Dwarakanagar Bagalur Main Road, Yelahanka, Bangalore 560063 India

D. Krishna Kumar of PG Dept of Commerce & Management Studies, Brindavan College, Dwarakanagar Bagalur Main Road, Yelahanka Bangalore 560063 India

P. Uma Swarupa of PG and Research Department of Commerce, Salem Sowdeswari College (Govt. Aided) Salem, Tamil Nadu 636010 India

Mohan Dattu Sangale of Department of chemistry Rayat Shikshan Sanstha's Prof.Dr.N.D. Patil Mahavidyalaya, Shahuwadi, Dist. Kolhapur, 415101 India

Satyanarayana Katakam of Mechanical Engineering Dept Anil Neerukonda Institute of Technology and Sciences, Bhimili, Visakhapatanam, AP 531162 India

Sandeep Rout of Faculty of Agriculture, Sri Sri University Cuttack, Odisha- 754006 India

Ajay Kumar Prusty of Dept of Agricultural Ext & Communication, M S Swaminathan School of Agriculture Centurion University of Technology and Management, R. Sitapur, Gajapati, Odisha, 761211 India

Title of invention:

Prevention of food harmfulness from production to customer for centralized kitchen facility using IoT

Name of inventor(s):

Bhaskaran, R.; Dekate, Hiren; Kumar, P. Ravindra; Gurusamy, M.; Kumar, D. Krishna; Swarupa, P. Uma; Sangale, Mohan Dattu; Katakam, Satyanarayana; Rout, Sandeep and Prusty, Ajay Kumar

Term of Patent:

Eight years from 4 November 2020

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

COMMONWEALTH OF AUSTRALIA
AUSTRALIA
PATENT OFFICE

Dated this 3rd day of March 2021

Commissioner of Patents

Australian Government

IP Australia

CERTIFICATE OF GRANT

INNOVATION PATENT

Patent number: 2020103242

Dated this 3rd day of March 2021

Commissioner of Patents

PATENTS ACT 1990

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

Extracts from the Patents Act, 1990

Sect 120(1A) Infringement proceedings in respect of an innovation patent cannot be started unless the patent has been certified.

Sec 128 **Application for relief from unjustified threats**

(1) Where a person, by means of circulars, advertisements or otherwise, threatens a person with infringement proceedings or other similar proceedings a person aggrieved may apply to a prescribed court, or to another court having jurisdiction to hear and determine the application, for:

(a) a declaration that the threats are unjustifiable; and

(b) an injunction against the continuance of the threats; and

(c) the recovery of any damages sustained by the applicant as a result of the threats.

(2) Subsection (1) applies whether or not the person who made the threats is entitled to, or interested in, the patent or a patent application.

Sec 129A **Threats related to an innovation patent application or innovation patent and courts power to grant relief.**

Certain threats of infringement proceedings are always unjustifiable.

(1) If:

(a) a person:

(i) has applied for an innovation patent, but the application has not been determined; or

(ii) has an innovation patent that has not been certified; and

(b) the person, by means of circulars, advertisements or otherwise, threatens a person with infringement proceedings or other similar proceedings in respect of the patent applied for, or the patent, as the case may be;

then, for the purposes of an application for relief under section 128 by the person threatened, the threats are unjustifiable.

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

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

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

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

Schedule 1 **Dictionary**

certified, in respect of an innovation patent other than in section 19, means a certificate of examination issued by the Commissioner under paragraph 101E(e) in respect of the patent

Australian Government
IP Australia

CERTIFICATE OF GRANT
INNOVATION PATENT

Patent number: 2021100000

The Commissioner of Patents has granted the above patent on 3 March 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Hiren Madhukar Dekate of Assistant Professor, Zoology, ICLES Motilal Jhunjhunwala College Sector-9A, Vashi, Navi Mumbai Maharashtra -400703. India

Sesha Bhargavi Velagaleti of Assistant Professor, Department of Information Technology G Narayanamma Institute of Technology and Sciences,Shaikpet,Hyderabad, Telangana- 500104 India

Ashok Abhishek of Assistant Professor, Department of Education, J.J.College Jhumri Telaiya, Koderma, 825409 India

Sandeep Rout of Assistant Professor, Faculty of Agriculture, Sri Sri University Cuttack Odisha 754006 India

Rajesh Bhatt of Assistant Professor, Department of Management, Mewar University NH-79, Gangrar (Dist. Chittorgarh), Rajasthan 312901. India

G.R. Kannan of Professor, Department of Mechanical Engineering, PSNA College of Engineering and Technology PSNA College of Engineering and Dindigul 624622 India

Tulika Chakrabarti of Assistant Professor (Grade-A), Dept.of Chemistry, Sir Padampat Singhania University Udaipur Rajasthan 313601 India

Ananda Shankar Hati of Assistant Professor, (Electrical Engineering), Dept. of Mining Machinery Engineering Indian Institute of Technology (Indian School of Mines), Dhanbad, Jharkhand- 826004 India

Ajay Kumar Prusty of Assistant Professor, Department of Agricultural Extension, M S Swaminathan School of Agriculture Centurion University of Technology and Management, Gajapati, Odisha, 761211 India

Sitanshu Sekhar Patra of Phd Research Scholar, Department of Meteorology & Oceanography, College of Science and Technology Andhra University, Visakhapatnam Andhra Pradesh 530003 India

Prasun Chakrabarti of Provost &Institute Endowed Distinguished, Senior Chair Professor, Techno India NJR Institute of Technology Udaipur, Rajasthan - 313003 India

R. Ranjith Kumar of Assistant professor, Department of Civil Engineering, SRM Institute of Science &Technology Delhi NCR Campus, Modinagar, Ghaziabad, Uttar Pradesh 201204 India

Title of invention:

A method to measure the air pollution impact on terrestrial and natural vegetation in urban locations

Name of inventor(s):

Dekate, Hiren Madhukar; Velagaleti, Sesha Bhargavi; Abhishek, Ashok; Rout, Sandeep; Bhatt, Rajesh; Kannan, G.R.; Chakrabarti, Tulika; Hati, Ananda Shankar; Prusty, Ajay Kumar; Patra, Sitanshu Sekhar; Chakrabarti, Prasun and Ranjith Kumar, R.

Term of Patent:

COMMONWEALTH OF AUSTRALIA
AUSTRALIA
PATENT OFFICE

Dated this 3rd day of March 2021

Commissioner of Patents

Australian Government
IP Australia

CERTIFICATE OF GRANT
INNOVATION PATENT

Patent number: 2021100002

The Commissioner of Patents has granted the above patent on 3 March 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

S. Mahendran of Professor, Dept.of Civil Engineering, PSNA College of Engineering & Technoloy Dindigu Tamil Nadu- 624622 India

Deepa Nair of Assistant Professor, MMS - Systems and HR Department, GNVS Institite of Management R Jaimal Singh Marg, Sion (East), GTB Nagar , Mumbai - 400032 India

Sandeep Rout of Assistant Professor, Faculty of Agriculture, Sri Sri University Cuttack ,Odisha-754006 India

R. Sabitha of Professor, Department of ECE Hindustan college of Engineering and Technology, Valley Campus, Coimbatore, Tamil Nadu- 641032 India

K Uma of Department of Mathematics, School of Advance Sciences, VIT Vellore 632014 India

Prathik A of Assistant Professor, Department of computer science Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Chennai India

Tulika Chakrabarti of Assistant Professor (Grade-A), Dept.of Chemistry, Sir Padampat Singhania University Udaipur , Rajasthan- 313601 India

Sitanshu Sekhar Patra of Phd Research Scholar, Department of Meteorology & Oceanography, College of Science and Technology Andhra University, Visakhapatnam Andhra Pradesh, 530003 India

Ajay Kumar Prusty of Assistant Professor, Department of Agricultural Extension, M S Swaminathan School of Agriculture Centurion University of Technology and Management, Gajapati, Odisha, 761211 India

Kalyani Pradhan of Assistant Professor, Faculty of Agriculture, Sri Sri University, Sri Sri Vihar Cuttack 754006 India

Reddappa H.N of Associate Professor, Department of Mechanical Engineering, Bangalore Institute of Technology K. R. Road,V. V. Pura, Bengaluru, Karnataka - 560 004 India

Prasun Chakrabarti of Provost &Institute Endowed Distinguished, Senior Chair Professor, Techno India NJR Institute of Technology Udaipur, Rajasthan - 313003 India

Title of invention:

TECHNIQUE TO GIS MODELLING OF WATER BODIES BY MAPPING RIPARIAN VEGETATION ALONG THE SHORE

Name of inventor(s):

Mahendran, S.; Nair, Deepa; Rout, Sandeep; Sabitha, R.; Uma, K; A, Prathik; Chakrabarti, Tulika; Patra, Sitanshu Sekhar; Prusty, Ajay Kumar; Pradhan, Kalyani; H.N, Reddappa and Chakrabarti, Prasun

Term of Patent:

COMMONWEALTH OF AUSTRALIA
AUSTRALIA
PATENT OFFICE

Dated this 3rd day of March 2021

Commissioner of Patents

PATENTS ACT 1990

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/01/2021

(21) Application No.202131001373 A

(43) Publication Date : 12/02/2021

(54) Title of the invention : SMART ATTENDANCE AND BODY TEMPERATURE MONITORING SYSTEM AT WORKING SITE

(51) International classification	:G07C0001100000, H04N0007180000, G06Q0010060000, B63H0001000000, H04L0029080000
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)DR.SATYABRATA DASH
Address of Applicant :DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, GANDHI ENGINEERING COLLEGE, BHUNANESWAR,ORISSA.
2)DR.HEMRAJ SAINI
3)DR.SUJATA CHAKARVARTY
4)SWARNA PRABHA JENA
5)SUBRAT KUMAR PRADHAN
6)MR.BARADA P.PANIGRAHY
7)DR.SUBAS CH. NATH
8)DR.SUSANTA KUMAR ROUT
(72)**Name of Inventor :**
1)DR.SATYABRATA DASH
2)DR.HEMRAJ SAINI
3)DR.SUJATA CHAKARVARTY
4)SWARNA PRABHA JENA
5)SUBRAT KUMAR PRADHAN
6)MR.BARADA P.PANIGRAHY
7)DR.SUBAS CH. NATH
8)DR.SUSANTA KUMAR ROUT

(57) Abstract :
The proposed invention (Device) provides an attendance system to the working place. The system also used for safety and security in critical regions such as Offices, working places,airports, railway-stations and classroom attendance etc. The objective of this invention is to automate the person"s identity at the check-in point and to monitor the body temperature of the covid 19 patients in emergency medical situations who are seriously ill with the aim of stabilizing them without moving to their place. This motivation includes reduced manual process, staffing and shorter processing times. The proposed technology that promises greater convenience for users by simplifying and speed up the process.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/02/2021

(21) Application No 202141004378 A

(43) Publication Date : 05/02/2021

8

(54) Title of the invention : ECLIPTA ALBA BASED COMPOSITION FOR HAEMORRHOIDS AND ITS PREPARATION METHOD THEREOF

(51) International classification :A61K 36/00

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :NA

Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA

Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date :NA

(71)**Name of Applicant :**

1)Dr.Aruna Kumari Nakkella

Address of Applicant :Assistant Principal, Dr.BR Ambedkar University, Srikakulam, D.No: 20-14-13, Ramachandra Rao Peta, Near SBI, Kambal Tank Branch, Rajamahendravaram, East Godavari-533103, Andhra Pradesh, India. Andhra Pradesh India

2)Dr.V.Nagalakshmi

3)Dr.Sandeep Rout

4)Mr.Ajay Kumar Prusty

5)Dr.Kalyani Pradhan

6)Monika Ray

7)Meenakhi Prusty

8)Dr.N.Padmaja

9)Dr.Santosh Karajgi

10)Dr.Mohan Seelam

11)Dr.Bassa Satyannarayana

12)Srivastava Pratima Kumari

13)Dr.S.Srilalitha

14)Dr.P.Sri Rama Murthy

(72)**Name of Inventor :**

1)Dr.Aruna Kumari Nakkella

2)Dr.V.Nagalakshmi

3)Dr.Sandeep Rout

4)Mr.Ajay Kumar Prusty

5)Dr.Kalyani Pradhan

6)Monika Ray

7)Meenakhi Prusty

8)Dr.N.Padmaja

9)Dr.Santosh Karajgi

10)Dr.Mohan Seelam

11)Dr.Bassa Satyannarayana

12)Srivastava Pratima Kumari

13)Dr.S.Srilalitha

14)Dr.P.Sri Rama Murthy

(57) Abstract :

ABSTRACT: Title: Eclipta Alba based Composition for Haemorrhoids and its Preparation Method Thereof The present disclosure proposes an edible composition with eclipta alba for the treatment of haemorrhoids without any additional herbal ingredients. The edible eclipta alba composition for haemorrhoids does not have any side effects. The proposed eclipta alba composition can be prepared at home by the patient with ease. The edible composition also aids to treat other stomach related ailments such as heat. The edible composition treats haemorrhoids with enhanced efficiency.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :06/11/2020

(21) Application No.202031048523 A

(43) Publication Date : 11/12/2020

(54) Title of the invention : SYSTEM AND METHOD FOR HEALTH CARE DATA PROCESSING THROUGH LOT BY USING BLOCKCHAIN TECHNOLOGY

(51) International classification :G06F16/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)DR.GEETANJALI RATHEE
Address of Applicant :DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY,WAKNAGHAT,SOLAN
2)DR.HEMRAJ SAINI
3)DR.SATYABRATA DASH
4)DR.SUJATA CHAKARVARTY
5)DR.SUSANTA KUMAR ROUT
6)MR.BARADA P.PANIGRAHY
(72)**Name of Inventor :**
1)DR.GEETANJALI RATHEE
2)DR.HEMRAJ SAINI
3)DR.SATYABRATA DASH
4)DR.SUJATA CHAKARVARTY
5)DR.SUSANTA KUMAR ROUT
6)MR.BARADA P.PANIGRAHY

(57) Abstract :
The proposed invention elaborates the Blockchain phenomenon for ensuring the security and transparency of patients record, document accessibility and shipment process among provider and customer. Further, the need of blockchain in healthcare is that it would capture the intermediates activity, patients record information or medicine shipment phenomenon from IoT objects committed to components moves from one place to another or from provider and customer. The illegal activity happening at any part of the communication process can be traced easily. However, the experimental analysis of the proposed model has been measured upon the illegal activities or communications done by malevolent IoT objects.

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

10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/12/2020

(21) Application No 202041052200 A

(43) Publication Date : 11/12/2020

(54) Title of the invention : HERBAL CAKE COMPOSITION FOR GASTRITIS AND PREPARATION METHOD FOR THE SAME

(51) International classification	:A61K 36/752	
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No Filing Date	:NA :NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(71)Name of Applicant :
1)Dr.Aruna Kumari Nakkella
Address of Applicant :Assistant Principal, Dr.BR.Ambedkar University, Srikakulam, D. No: 20-14-13, Ramachandra Rao Peta, Near SBI, Kambal Tank Branch, Rajamahendravaram, East Godavari, Andhra Pradesh, India-533103. Andhra Pradesh India
2)Dr.Surendra Kumar Agarwal
3)Dr.Sandeep Rout
4)Mr.Gyanaranjan Sahoo
5)Dr.Ramanaiah Malla
6)Dr.Asha Mathew
7)Dr.Sulochana Munga
8)Dr.Manjulata Upadhyaya
9)Dr.Kokila S
10)Dr.N.Padmaja
11)Mr.Devendra Singh
12)Dr.Kalyani Pradhan
13)Mr.Ajay Kumar Prusty

(72)Name of Inventor :
1)Dr.Aruna Kumari Nakkella
2)Dr.Surendra Kumar Agarwal
3)Dr.Sandeep Rout
4)Mr.Gyanaranjan Sahoo
5)Dr.Ramanaiah Malla
6)Dr.Asha Mathew
7)Dr.Sulochana Munga
8)Dr.Manjulata Upadhyaya
9)Dr.Kokila S
10)Dr.N.Padmaja
11)Mr.Devendra Singh
12)Dr.Kalyani Pradhan
13)Mr.Ajay Kumar Prusty

(57) Abstract :
ABSTRACT: Title: Herbal Cake Composition for Gastritis and Preparation Method for the Same The present disclosure proposes a herbal health product for treating gastritis patients with better efficiency that contains low-sugar and low fat with ease to intake the product by the patient. The method of preparation provides the composition in the form of a cake that enables the user to consume the herbal cake with ease and enhanced interest. The proposed herbal cake composition utilizes amla seed powder that aids to relieve inflammation and infection associated with uterus and cervix and helps to reduce gastric problems and gastritis and utilizes jamun seed powder that aids to combat sores, inflammation and ulcers in the intestines. The herbal cake composition is prepared using a preparation method that mixes the amla seed powder and the jamun seed powder separately in order to avoid loss of individual medicinal properties.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/09/2020

(21) Application No.202031039046 A

(43) Publication Date : 16/10/2020

(54) Title of the invention : METHOD AND AUTOMATED SAFETY EQUIPMENT FOR QUICK DETECTION OF BIOLOGICAL EVENTS OF HOSPITALIZED PATENTS FOR COVID THEREOF.

(51) International classification	:A61K0045060000, A61B0005020500, G01N0033543000, A61B0005145000, A61K0031546000
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
1)DR.SATYABRATA DASH
Address of Applicant :DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING , GANDHI ENGINEERING COLLEGE, BHUBANESWAR-754006, ODISHA, INDIA.
2)DR.HEMRAJ SAINI
3)DR.SUJATA CHAKARVARTY
4)SWARNAPRABHA JENA
5)SUBRAT KUMAR PRADHAN
6)MR.BARADA P.PANIGRAHY
7)MR.SUBAS CH.NATH
8)DR.SUSANTA KUMAR ROUT
(72)**Name of Inventor :**
1)DR.SATYABRATA DASH
2)DR.HEMRAJ SAINI
3)DR.SUJATA CHAKARVARTY
4)SWARNAPRABHA JENA
5)SUBRAT KUMAR PRADHAN
6)MR.BARADA P.PANIGRAHY
7)MR.SUBAS CH.NATH
8)DR.SUSANTA KUMAR ROUT

(57) Abstract :
The proposed invention is a safety equipment and method involves detecting Biological events relate to the patients admitted in hospital with special reference to COVID and out patients regarding monitoring of the health of an individual. The individual wears a health monitoring device, with an attached mask, capable of sensing characteristics of the individual assigning disease event. It can help to monitor the body temperature of a person and intimate about not maintaining the social distance. This smart face shield is to provide an extra layer of protection and to protect the eyes when in close contact with someone that has or is suspected to have COVID-19. The device allows individuals to constantly monitor their health without having to physically visit a doctor or other health care professional.

No. of Pages : 9 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :19/08/2020

(21) Application No.202031035686 A

(43) Publication Date : 11/09/2020

(54) Title of the invention : AUTOMATED PORTABLE DIAGNOSTIC SYSTEM AND METHOD FOR THE PATIENTS IN COVID HOSPITALS

(51) International classification	:A61B0005145500, G01N0035100000, A61B0005020500, F04C0023000000, G01N0021780000
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
1)DR.SATYABRATA DASH
Address of Applicant :DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING, GANDHI ENGINEERING COLLEGE, BHUBANESWAR-754006,ORISSA,INDIA
2)DR.HEMRAJ SAINI
3)DR.SUJATA CHAKARVARTY
4)SWARNAPRABHA JENA
5)SUBRAT KUMAR PRADHAN
6)MR.BARADA P.PANIGRAHY
7)DR.SUBASH CH. NATH
8)DR.SUSANTA KUMAR ROUT
(72)**Name of Inventor :**
1)DR.SATYABRATA DASH
2)DR.HEMRAJ SAINI
3)DR.SUJATA CHAKARVARTY
4)SWARNAPRABHA JENA
5)SUBRAT KUMAR PRADHAN
6)MR.BARADA P.PANIGRAHY
7)DR.SUBASH CH. NATH
8)DR.SUSANTA KUMAR ROUT

(57) Abstract :
The proposed device is a ICT enabled centralized patient monitoring device which can be used for covid hospitals and will help the hospital staff(Paramedics) to monitor the body temperature of the covid 19 patients in emergency medical situations who are seriously ill with the aim of stabilizing them without moving to their place. It will also monitor the patients movement activity with respect to other persons and give warning to maintain social distancing

No. of Pages : 29 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :19/08/2020

(21) Application No.202031035660 A
(43) Publication Date : 04/09/2020

(54) Title of the invention : MULTI-LEVEL SECURITY AND DETECTION SYSTEM TO AVERT ELEPHANT ACCIDENTS AT RAILWAY TRACKS

(51) International classification :G06F11/30
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)Dr.Sujata Chakravarty
Address of Applicant :Flat-251, Northern Heights, Nandanvihar, Bhubaneswar-751024, Odisha, India.
(72)**Name of Inventor :**
1)Payal Bhadra
2)Avijit Balabantaray
3)Sujit Kumar Sahoo
4)Dr.Sujata Chakravarty

(57) Abstract :
The present disclosure proposes a multi-level elephant detection system that prevents accidents at railway tracks using three levels of security and detection by placing different sensors at each level near elephant corridors and reduces elephant accidents. The multi-level elephant detection system 100 comprises a primary level detection unit 101, a secondary level detection unit 104, a tertiary level detection unit 107, at least one sound emitting unit (not shown), a processing unit 110, and a notifying unit. The proposed system indicates presence of elephants using signal lights along the railway tracks in each security layer in real-time to the train driver. The proposed system utilizes advanced, budget friendly, cost effective equipment such as cameras, IR, PIR and piezoelectric sensors which are more convenient and efficient in sensing and detecting elephants. The system generates high frequency sounds in coordination with train timings along the elephant corridors to drive away elephants from railway tracks to prevent collision with trains. Further, the system provides a notification to the train driver, nearby railway office and forest personnel indicating presence of elephants at a specific detection level in the elephant corridor near the railway track.

No. of Pages : 21 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202031024943 A

(19) INDIA

(22) Date of filing of Application :13/06/2020

(43) Publication Date : 17/07/2020

(54) Title of the invention : A BIO-PESTICIDE COMPOSITION BASED ON PEPPERMINT EXTRACT AND ITS PREPARATION METHOD THEREOF

(51) International classification :A01N63/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)**Centurion University of Technology & Management (CUTM)**
Address of Applicant :At-Alluri Nagar Village, PO-R.Sitapur, Via-Uppalada, Paralakhemundi-761211, Gajapati District, Odisha, India.
(72)**Name of Inventor :**
1)**Preetha Bhadra**

(57) Abstract :
The present disclosure proposes a peppermint extract composition for the treatment of grey mould and microbial diseases in plants. The extract composition comprises pharmacophores such as menthone, menthofuran, beta pinen, and 1, 8 cineole that target endopolygalaturonases responsible for grey mould and microbial diseases in plants. The disclosure provides a peppermint extract composition for use as a potential biopesticide. The proposed composition provides a cost-effective drug with less harmful side effects for normal cells. Further, the composition aids to reduce the use of pesticides based on synthetic drugs.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No 202031024944 A

(19) INDIA

(22) Date of filing of Application :13/06/2020

(43) Publication Date : 17/07/2020

(54) Title of the invention : A BIOPESTICIDE COMPOSITION BASED ON BAEL EXTRACT AND ITS PREPARATION METHOD THEREOF

(51) International classification :A01N63/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)**Centurion University of Technology & Management (CUTM)**
Address of Applicant :At-Alluri Nagar Village, PO-R.Sitapur, Via-Uppalada, Paralakhemundi-761211, Gajapati District, Odisha, India.
(72)**Name of Inventor :**
1)**Preetha Bhadra**

(57) Abstract :
A Biopesticide Composition based on Bael Extract and its Preparation Method thereof The present disclosure proposes a potential biopesticide based on bael extract. The extract comprises of pharmacophores such as aegeline, skimmianine(1), d-limonene, marmelosin, allocryptopine to target different genes responsible for aphids in plants. The bael extract composition comprises 15 to 25 percentage of aegeline, 15 to 25 percentage of skimmianine(1), 15 to 25 percentage of d-limonene, 15 to 25 percentage of marmelosin, and 15 to 25 percentage of allocryptopine. The biopesticide extract composition interrupts with the enzymatic pathway of aphids by targeting the enzymes responsible. The bael extract composition is a cost-effective biopesticide with less harmful side effects for normal cells. The proposed composition reduces the use of pesticides based on synthetic drugs.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202031024945 A

(19) INDIA

(22) Date of filing of Application :13/06/2020

(43) Publication Date : 17/07/2020

(54) Title of the invention : CUMIN EXTRACT BASED BIOPESTICIDE COMPOSITION

(51) International classification :A01N63/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)**Centurion University of Technology & Management (CUTM)**
Address of Applicant :At-Alluri Nagar Village, PO-R. Sitapur, Via-Uppalada, Paralakhemundi-761211, Gajapati District, Odisha, India.
(72)**Name of Inventor :**
1)**Preetha Bhadra**

(57) Abstract :
The proposed disclosure provides a therapeutically effective cumin extract based biopesticide composition for targeted gene therapy with proven pharmacological activities for the treatment of wilt disease. The formulation of cumin extract based biopesticide composition comprises of pharmacophores such as berberine, p-coumaric, saponins and 4-isopropylbenzoic acid. The cumin composition is formulated as natural drug for microbial diseases in plants without harmful side effects for normal cells.

No. of Pages : 15 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202031024946 A

(19) INDIA

(22) Date of filing of Application :13/06/2020

(43) Publication Date : 17/07/2020

(54) Title of the invention : METHI EXTRACT BASED BIOPESTICIDE COMPOSITION

(51) International classification :A01N63/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)**Centurion University of Technology & Management (CUTM)**
Address of Applicant :At-Alluri Nagar Village, PO-R. Sitapur, Via-Uppalada, Paralakhemundi-761211, Gajapati District, Odisha, India.
(72)**Name of Inventor :**
1)**Preetha Bhadra**

(57) Abstract :
The proposed disclosure provides a therapeutically effective methi extract based biopesticide composition for targeted gene therapy with proven pharmacological activities for the treatment of purple blotch disease. The formulation of methi extract based biopesticide composition comprises of pharmacophores such as trigoneline, trimentylcoumarin, carpaine, choline, methyl coumarin, and trigocoumarin. The methi composition is formulated as natural drug for microbial diseases without harmful side effects for normal cells. The composition helps to aid future medicine to be completely allied to the pharmacophores and reduces the usage of synthetic drugs.

No. of Pages : 15 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No 202031027644 A

(19) INDIA

(22) Date of filing of Application :29/06/2020

(43) Publication Date : 17/07/2020

(54) Title of the invention : EXTRACTION OF BIOACTIVE PRINCIPLES FROM OECOPHYLLA SMARAGDINA BASED ANTIBACTERIAL COMPOSITION

(51) International classification :A01N63/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)**Centurion University of Technology & Management (CUTM)**
Address of Applicant :At-Alluri Nagar Village, PO-R.Sitapur, Via-Uppalada, Parlakhemundi-761211, Gajapati District, Odisha, India.
(72)**Name of Inventor :**
1)**Chinmaya Chidananda Behera**
2)**Dr.Amulyaratna Behera**
3)**Dr.Priyanka Das**
4)**Mrs.Suchismeeta Behera**

(57) Abstract :
The proposed disclosure provides a therapeutically effective extraction of bioactive principles from n-hexane and methanolic extracts of Oecophylla Smaragdina based antibacterial composition and screened for binding affinities towards various bacterial proteins for the respective species. The composition has the capability of being used as anti-oxidant and anti-microbes. The composition enhances the inhibitory properties of extracted compounds when compared to available marketed compounds.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No 202031027645 A

(19) INDIA

(22) Date of filing of Application :29/06/2020

(43) Publication Date : 17/07/2020

(54) Title of the invention : EXTRACTION OF BIOACTIVE PRINCIPLES FROM OECOPHYLLA SMARAGDINA BASED ANTICANCER COMPOSITION

(51) International classification :A61K36/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)**Centurion University of Technology & Management (CUTM)**
Address of Applicant :At-Alluri Nagar Village, PO-R.Sitapur, Via-Uppalada, Parlakhemundi-761211, Gajapati District, Odisha, India.
(72)**Name of Inventor :**
1)**Chinmaya Chidananda Behera**
2)**Dr.Amulyaratna Behera**
3)**Dr.Priyanka Das**
4)**Mrs.Suchismeeta Behera**

(57) Abstract :
The proposed disclosure provides a therapeutically effective extraction of bioactive principles from n-hexane and methanolic extracts of Oecophylla Smaragdina based anticancer composition and screened for binding affinities towards 4EKL, 3W32, and in vitro anticancer by inhibition of human cancer cell line growth. The composition has the capability of being used as anti-oxidant and anti-microbes. The composition enhances the inhibitory properties of extracted compounds when compared to available marketed compounds.

No. of Pages : 20 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202031027646 A

(19) INDIA

(22) Date of filing of Application :29/06/2020

(43) Publication Date : 17/07/2020

(54) Title of the invention : EXTRACTION OF BIOACTIVE PRINCIPLES FROM OECOPHYLLA SMARAGDINA BASED ANTI-FUNGAL COMPOSITION

(51) International classification :A61K36/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)**Centurion University of Technology & Management (CUTM)**
Address of Applicant :At-Alluri Nagar Village, PO-R.Sitapur, Via-Uppalada, Parlakhemundi-761211, Gajapati District, Odisha, India.
(72)**Name of Inventor :**
1)**Chinmaya Chidananda Behera**
2)**Dr.Amulyaratna Behera**
3)**Mr.Suman Kumar Mekap**
4)**Mrs.Suchismeeta Behera**

(57) Abstract :
The proposed disclosure provides a therapeutically effective extraction of bioactive principles from n-hexane and methanolic extracts of Oecophylla Smaragdina based anti-fungal composition and screened for binding affinities towards various fungal proteins for the respective species. The composition has the capability of being used as anti-oxidant and anti-microbes. The composition enhances the inhibitory properties of extracted compounds when compared to available marketed compounds.

No. of Pages : 21 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :29/06/2020

(21) Application No 202031027647 A

(43) Publication Date : 17/07/2020

(54) Title of the invention : EXTRACTION OF BIOACTIVE PRINCIPLES FROM OECOPHYLLA SMARAGDINA BASED MULTI TARGETING ANTI-SARS COMPOSITION

(51) International classification :A61K36/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)**Centurion University of Technology & Management (CUTM)**
Address of Applicant :At-Alluri Nagar Village, PO-R.Sitapur, Via-Uppalada, Parlakhemundi-761211, Gajapati District, Odisha, India.
(72)**Name of Inventor :**
1)**Chinmaya Chidananda Behera**
2)**Dr.Amulyaratna Behera**
3)**Dr.Gurudutta Pattnaik**
4)**Mrs.Suchismita Behera**

(57) Abstract :
The proposed disclosure provides a therapeutically effective extraction of bioactive principles from n-hexane and methanolic extracts of Oecophylla Smaragdina based multi-targeting anti-SARS composition and screened for binding affinities towards various Severe Acute Respiratory Syndrome Coronavirus-2 (SARS CoV-2) proteins for the respective species. The composition has the capability of being used as anti-oxidant and anti-microbes. The composition enhances the inhibition of the replication and multiplication of virus in the host cells when compared to presently repurposed drug molecules for the disease.

No. of Pages : 22 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202031027660 A

(19) INDIA

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

(43) Publication Date : 17/07/2020

(54) Title of the invention : COMPACT SEMI-AUTOMATIC PAPER PEN AND PENCIL MAKING MACHINE

(51) International classification :B43K29/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)**Centurion University of Technology & Management (CUTM)**
Address of Applicant :At-Alluri Nagar Village, PO-R.Sitapur, Via-Uppalada, Parlakhemundi-761211, Gajapati District, Odisha, India
(72)**Name of Inventor :**
1)**Amiya Singh**
2)**Prem Shankar Pandey**
3)**Ahmed Raza**
4)**Jamaluddin Khan**
5)**Rezuwan Khan**

(57) Abstract :
The present disclosure proposes a compact semi-automatic paper pen and pencil making machine that reuses waste paper to roll and produce eco-friendly pens and pencils. The paper pen and pencil making machine 1S00 comprises a mounting base 101, an idle axle 102 fixed on one side of the mounting base 101, a driving axle 103 fixed on the other side of the mounting base 101 and connected to the idle axle 102 through a conveyor belt 104, a motor 105 coupled to the driving axle 103, an upper pressure plate 106a fixed on top of the mounting base 101 above the conveyor belt 104 and a lower pressure plate 106b below the conveyor belt 104, plurality of screw and spring adjustment units 107 configured on either side of the pressure plates 106a and 106b to fasten them to the mounting base 101. The machine is of simple design that consumes less power and lower maintenance. The machine aids to make pencils or pens with easier and simple process that takes only few steps. Thus, the proposed paper pen and pencil making machine is lightweight, occupies less space, and is portable.

No. of Pages : 18 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION
(21) Application No.202031027661 A
(19) INDIA
(22) Date of filing of Application :30/06/2020
(43) Publication Date : 17/07/2020

(54) Title of the invention : EXTRACTION OF BIOACTIVE PRINCIPLES FROM OECOPHYLLA SMARAGDINA BASED ANTI-DIABETIC COMPOSITION

(51) International classification :A61K45/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)**Centurion University of Technology & Management (CUTM)**
Address of Applicant :At-Alluri Nagar Village, PO-R. Sitapur, Via-Uppalada, Paralakhemundi-761211, Gajapati District, Odisha, India
(72)**Name of Inventor :**
1)**Chinmaya Chidananda Behera**
2)**Dr.Amulyaratna Behera**
3)**Mr.Suman Kumar Mekap**
4)**Mrs.Suchismeeta Behera**

(57) Abstract :
The proposed disclosure provides a therapeutically effective extraction of bioactive principles from n-hexane and methanolic extracts of Oecophylla Smaragdina based and screened for binding affinities towards human Peroxisome proliferator-activated receptor gamma for the respective species. The composition has the capability of being used as anti-oxidant and anti-microbes. The composition enhances the inhibitory properties of extracted compounds when compared to available marketed compounds.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941032262 A

(19) INDIA

(22) Date of filing of Application :08/08/2019

(43) Publication Date : 03/07/2020

(54) Title of the invention : NANOPARTICLES FOR SINGLE CYLINDER SPARK IGNITION ENGINE

(51) International classification :F02B 75/16
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)Dr.GURRAM ARUN MANOHAR
Address of Applicant :50-94-25/12, ARUN APARTMENTS SHANTIPURAM, VISAKHAPATNAM, ANDHRA PRADESH-530016, INDIA. Andhra Pradesh India
2)Dr.G.Arun Manohar
(72)**Name of Inventor :**
1)Dr.GURRAM ARUN MANOHAR
2)Dr.G.Arun Manohar
3)Dr.D.Nageswara Rao
4)Dr.D. NAGESWARA RAO

(57) Abstract :
ABSTRACT: Title: Nanoparticles for Single Cylinder Spark Ignition Engine The present disclosure discloses usage of biodegradable sisal nanoparticles in the combustion chamber of a single cylinder spark ignition engine along with air fuel mixtures. The nanoparticle addition assembly 100 comprises a fuel measuring unit 101, an air measuring unit 102, a temperature measuring unit 103 and a nanoparticle regulating unit 104. The nanoparticle regulating unit 104 is configured to add biodegradable sisal nanoparticles into the cylinder. The nanoparticle regulating unit 104 further comprises a flow channel pipe 105, a storage chamber 106, and a valve 107 positioned before the storage chamber. The method allows a drop in the pollutant formations of CO and HC with the addition of sisal nanoparticles. The combustion efficiency is measured in terms of the maximum temperature attained in the cylinder.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201931004151 A

(19) INDIA

(22) Date of filing of Application :01/02/2019

(43) Publication Date : 19/06/2020

(54) Title of the invention : ROBOTIC SERVICE SYSTEM FOR RAILWAY COACHES (SWAB RAILWAYS)

(51) International classification	:A61B0034300000, H04N0021218000, H04N0021218700, H04N0007180000, G09C0001000000
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
1)Centurion University of Technology & Management (CUTM)
Address of Applicant :Alluri Nagar Village, P.O- R Sitapur, Via- Uppalada, Paralakhemundi, Gajapati- 761211, Odisha, India
(72)**Name of Inventor :**
1)Avinash Seekoli
2)Debasish Mohanty
3)S.Ranjit Rao

(57) Abstract :
Title: Robotic Service System for Railway Coaches The present disclosure discloses a robotic service system that automatically cleans the targeted railway coaches while sending live video feed and monitors different parameters of the railway coaches that include humidity, gas, temperature and thereof. The robotic service system has the ability to communicate bit to bit information wirelessly about the train at any moment with railway personnel. The information may include real-time image capturing which is then communicated with the railway personnel. Further, a controlling means is configured to receive and execute instructions sent from the railway personnel. Thus, the disclosure provides a safety servicing and data collecting robot thereby preventing many accidents and life threatening issues at a low cost.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No 201931032613 A

(19) INDIA

(22) Date of filing of Application :12/08/2019

(43) Publication Date : 19/06/2020

(54) Title of the invention : CORIANDER EXTRACT FOR BONE CANCER

(51) International classification	:A61K0036230000, A61K0031474500, A61K0048000000, A61K0041000000, A61K0009480000	(71)**Name of Applicant :** 1)**Centurion University of Technology & Management (CUTM)** Address of Applicant :At-Alluri Nagar Village, PO-R. Sitapur, Via-Uppalada, Paralakhemundi-761211, Gajapati District, Odisha, India
(31) Priority Document No	:NA	(72)**Name of Inventor :** 1)**Preetha Bhadra**
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The proposed disclosure provides a therapeutically effective coriander (Coriandrum Sativum) composition for targeted gene therapy with proven pharmacological activities for the treatment of particular bone cancer. The formulation of coriander (Coriandrum Sativum) composition comprises of herbal extracts such as Decene (6DJC) and 2- Bornyl acetate (5ZF4) extracted from the root of coriander. The composition helps in inhibiting DNA damage, preventing cancer cell migration and promoting cancer cell death or boost the immune system. The composition has the capability of removing toxins from the body by relieving fluid retention. The composition is formulated as tablets, capsules and thereof which is a cost effective drug without having any harmful side effects for normal cells. The composition helps in providing better molecular docking scores when compared to conventional extracts.

No. of Pages : 19 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/08/2019

(21) Application No.201931032614 A

(43) Publication Date : 19/06/2020

(54) Title of the invention : SYZYGIUM AROMATICUM EXTRACTS FOR OVARIAN CANCER

(51) International classification	:A61K0036610000, A23L0033105000, A61K0031198000, A61K0048000000, A21D0002360000
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
1)**Centurion University of Technology & Management (CUTM)**
Address of Applicant :At-Alluri Nagar Village, PO-R. Sitapur, Via-Uppalada, Paralakhemundi-761211, Gajapati District, Odisha, India
(72)**Name of Inventor :**
1)**Preetha Bhadra**

(57) Abstract :
The proposed disclosure provides a therapeutically effective Syzygium aromaticum (clove) composition for targeted gene therapy with proven pharmacological activities for the treatment of ovarian cancer. The formulation of Syzygium aromaticum (clove) composition comprises of herbal extracts such as kaempferol and protein. In specific, protein may include either 5AUX or 5AV2 or 5AV3 or 4DET. The composition has the capability of being used as anti-oxidant property that helps in removing free radicals. The composition can be formulated as tablets, capsules and thereof which is a cost effective drug without having any harmful side effects for normal cells. The composition helps in providing better molecular docking score when compared to conventional extracts in Syzygium aromaticum.

No. of Pages : 21 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201931032615 A

(19) INDIA

(22) Date of filing of Application :12/08/2019

(43) Publication Date : 19/06/2020

(54) Title of the invention : METHI EXTRACT FOR LIVER CANCER

(51) International classification	:A61K0048000000, A61K0041000000, A61K0031708000, A61K0031417800, A61K0009480000
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
1)**Centurion University of Technology & Management (CUTM)**
Address of Applicant :At-Alluri Nagar Village, PO-R. Sitapur, Via-Uppalada, Paralakhemundi-761211, Gajapati District, Odisha, India
(72)**Name of Inventor :**
1)**Preetha Bhadra**

(57) Abstract :
The proposed disclosure provides a therapeutically effective Fenurgreek (Methi) composition for targeted gene therapy with proven pharmacological activities for the treatment of liver cancer. The formulation of Fenurgreek (Methi) composition comprises of herbal extracts such as linalool, sotolon and coumarin. The composition has the capability of being used as anti-oxidant and anti microbes. The composition is formulated as tablets, capsules and thereof which is a cost effective drug without having any harmful side effects for normal cells. The formulated drug can also be used for preparing different skin and hair products. The composition helps in providing better molecular docking scores when compared to conventional extracts in Fenurgreek.

No. of Pages : 21 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201931032616 A

(19) INDIA

(22) Date of filing of Application :12/08/2019

(43) Publication Date : 19/06/2020

(54) Title of the invention : BACOPA MONNIERI EXTRACTS FOR LUNG CANCER

(51) International classification	:A61K0036800000, A61K0041000000, A61K0009480000, A61K0036680000, A61K0031416400
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
1)**Centurion University of Technology & Management (CUTM)**
Address of Applicant :At-Alluri Nagar Village, PO-R. Sitapur, Via-Uppalada, Paralakhemundi-761211, Gajapati District, Odisha, India
(72)**Name of Inventor :**
1)**Preetha Bhadra**

(57) Abstract :
The proposed disclosure provides a therapeutically effective Bacopa monnieri (Bramhi) composition for targeted gene therapy with proven pharmacological activities for the treatment of lung cancer. The formulation of Bacopa monnieri (Bramhi) composition comprises of herbal extract such as Alpha alanine-6HUG. The composition has the capability of being used as anti-oxidant property that helps in removing free radicals. The composition can be formulated as tablets, capsules and thereof which is a cost effective drug without having any harmful side effects for normal cells. The composition helps in providing better molecular docking score when compared to conventional extracts in Bacopa monnieri.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/10/2019

(21) Application No 201931041144 A

(43) Publication Date : 19/06/2020

(54) Title of the invention : SOLAR SUGARCANE JUICER WITH CUSTOMIZED COOLING AND ADDITIVE DOSAGE DESIGN

(51) International classification	:A47J0019020000, A23N0001000000, A23L0002040000, F24S0060300000, C13B0020160000
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
1)CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT (CUTM)
Address of Applicant :At-Alluri Nagar Village, PO-R Sitapur, Via-Uppalada, Paralakhemundi- 761211, Gajapati Dist. Odisha, India
(72)**Name of Inventor :**
1)Nimay Chandra Giri
2)Bishnu Prasad Mishra

(57) Abstract :
Title: Solar Sugarcane Juicer with Customized Cooling and Additive Dosage Design The present disclosure discloses a sugarcane juicer machine with customized cooling and additive dosage design that offers a ready to serve sugarcane juice. The juicer machine is powered using solar energy which is used in any remote part of the world. The juicer machine comprises of a juice extractor, a clarifier, a cooling unit and an additive dosage selector. The cooling unit further comprises of a brine tank, plurality of Peltier cells and plurality of helical coils. The clarifier may include a centrifugal clarifier that aid in separating the solids from the extracted juice. The plurality of Peltier cells are powered by the solar power supply that aid in customized cooling the brine solution as per customer requirement. The juicer provide different levels of cooling and different flavors for taste enhancement. The additive dosage selector is incorporated to add different customized additives as per customer requirement to the cooled juice to make it tastier. The juice is blended with other taste improvers that provide health benefits to cure or prevent some diseases. The solar sugarcane juicer machine provides a hygiene sugarcane juice at an affordable price that can be assured to all rural, semi urban and urban population.

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/11/2019

(21) Application No.201931045677 A

(43) Publication Date : 19/06/2020

(54) Title of the invention : AUTOMATIC FAULT CONTROL SYSTEM INTEGRATED 3D PRINTER

(51) International classification	:G06F0011070000, H02M0001320000, B41J0003407000, G01R0031360000, A42B0003040000
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)**Centurion University of Technology & Management (CUTM)**
Address of Applicant :At-Alluri Nagar Village, PO-R. Sitapur, Via-Uppalada, Paralakhemundi- 761211, Gajapati District, Odisha, India.
(72)**Name of Inventor :**
1)**Suman Kumar Sudhanshu**

(57) Abstract :
Title: Automatic Fault Control System Integrated 3D Printer The present disclosure discloses an automatic fault control system integrated 3D printer which automatically monitors different parameters, assesses and corrects faults within the printer during printing of an object. The control system comprises a parameter monitoring module, a remedy application module, a fault communication module, a controller and a power module. The parameter monitoring module is configured to assess faults during printing and the fault communication module is configured to communicate the assessed faults wirelessly to the remedy application module. The remedy application module can be linked either as a mobile application or a server application or the like which provides remedies to faults occurred during printing. Further, the controller is configured to process received remedies and to correct faults occurred during printing without discontinuing the process of printing.

No. of Pages : 15 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201931049814 A

(19) INDIA

(22) Date of filing of Application :03/12/2019

(43) Publication Date : 19/06/2020

(54) Title of the invention : A DEVICE FOR DETECTION OF FOOD TOXINS

(51) International classification	:A23L0005200000, A23P0030200000, G01N0033558000, A23K0050400000, B01J0020220000
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
1)**Centurion University of Technology and Management (CUTM)**
Address of Applicant :Alluri Nagar Village, PO-R Sitapur, Via-Uppalada, Paralakhemundi-761211, Gajapati Dist, Odisha, India
(72)**Name of Inventor :**
1)**Preetha Bhadra**

(57) Abstract :
The present disclosure discloses a cost-effective sensing device that detects food toxins i.e., Aflatoxin B1 in agricultural plants, food and feed products with ease and can be used by the farmers. The device comprises a body 101, a paper roll casing 102, a guiding and rolling means 103, a sample collecting means 104, an ejection means, a cutting means 105, and a paper outlet 106. The device is cost-effective and aids in detecting Aflatoxin in food and feed products based on capillary rise principle. The device is capable of detecting minor changes in the pH of solution to thereby enhance the detection procedure of the affected cell. The device helps in detecting biochemical changes in agricultural plants, food, and feed products with reduced time-consumption.

No. of Pages : 17 No. of Claims : 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201931051679 A

(19) INDIA

(22) Date of filing of Application :13/12/2019

(43) Publication Date : 19/06/2020

(54) Title of the invention : BIO-GAS CYLINDER MONITORING AND REPLACING SYSTEM IN MOBILE BIO-TOILETS

(51) International classification	:C12M0001107000, A47K0011030000, C02F0003280000, C12M0001000000, G06Q0010060000
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
1)Centurion University of Technology and Management (CUTM)
Address of Applicant :Alluri Nagar, PO-R.Sitapur, Via-Uppalada, Parlakhemundi-761211, Gajapathi Dist, Odisha, India
(72)**Name of Inventor :**
1)Pritam Das
2)Jyoti Lal Lodhi
3)N.Laxmidhar Reddy

(57) Abstract :
Title: Bio-Gas Cylinder Monitoring and Replacing System in Mobile Bio-Toilets The present disclosure discloses an e-movable bio-toilet incorporated with monitoring and replacing system that alerts the driver to replace the cylinder once it is filled and simultaneously transmits wirelessly the bio-gas availability information to the gas inventory in real-time. The system 100 comprises a vehicle body 101, a toilet cabinet 102, a replaceable bio-gas cylinder 103, and a weight detection means 104, a pair of visual indication means 105, a signal transmitting means 106, and a dashboard controlling means. The system transmits the signal to the driver or the inventory either in an audibly or visually manner with colour representation of filling level indication of methane gas in the cylinder. The bio-gas monitoring and replacing system minimizes pollution by using electrical energy and generates good revenue by selling the methane gas that is extracted from the waste material.

No. of Pages : 15 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201931054080 A

(19) INDIA

(22) Date of filing of Application :27/12/2019

(43) Publication Date : 19/06/2020

(54) Title of the invention : TERMINALIA CHEBULA EXTRACT COMPOSITION FOR JAUNDICE

(51) International classification	:A61K0036185000, A61K0008970000, A61K0048000000, A61K0008310000, A61K0008340000
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
1)Preetha Bhadra
Address of Applicant :D/o Tapash Bhadra Babupara, Sir Ashutosh Sarani PO, Dist-Alipurduar, West Bengal-736121 India
2)CENTURION UNIVERSITY OF TECHNOLOGY & MANAGEMENT (CUTM)
(72)**Name of Inventor :**
1)Preetha Bhadra
2)Atanu Deb

(57) Abstract :
Terminalia Chebula Extract Composition for Jaundice The proposed disclosure provides a therapeutically effective terminalia chebula (Haritaki) composition for targeted gene therapy with proven pharmacological activities for the treatment of jaundice. The terminalia chebula extract Composition comprises of herbal extracts such as chebulagic acid, punicalagin and chebulanin. The proposed terminalia chebula (Haritaki) composition enhances glucuronidation process to thereby decrease the levels of bilirubin. The proposed composition is a cost effective drug with less harmful side effects for normal cells. The terminalia chebula (Haritaki) composition reduces the use of synthetic drugs.

No. of Pages : 19 No. of Claims : 6

Copyright Office
Government of India

सत्यमेव जयते

Extracts from the Register of Copyrights

Dated : 14/08/2020

1.	Registration Number	:	**L-93559/2020**
2.	Name, address and nationality of the applicant	:	CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT-CUTM , AT. ALLURI NAGAR, VIA. R.SITAPUR, POST. PARLAKHEMUNDI, DIST. GAJAPATI, ODISHA, INDIA-761211-761211 INDIAN
3.	Nature of the applicant's interest in the copyright of the work	:	OWNER
4.	Class and description of the work	:	LITERARY/ DRAMATIC WORK
5.	Title of the work	:	COMMUNITY ACTION LEARNING PROGRAM (CALP)
6.	Language of the work	:	ENGLISH
7.	Name, address and nationality of the author and if the author is deceased, date of his decease	:	AMIYA SINGH , CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT-CUTM AT. JATNI, PO-RAMACHANDRAPUR, DIST-KHURDA, ODISHA, INDIA-752050 INDIAN
8.	Whether the work is published or unpublished	:	UNPUBLISHED
9.	Year and country of first publication and name, address and nationality of the publisher	:	N.A.
10.	Years and countries of subsequent publications, if any, and names, addresses and nationalities of the publishers	:	N.A.
11.	Names, addresses and nationalities of the owners of various rights comprising the copyright in the work and the extent of rights held by each, together with particulars of assignments and licences, if any	:	CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT-CUTM , AT. ALLURI NAGAR, VIA. R.SITAPUR, POST. PARLAKHEMUNDI, DIST. GAJAPATI, ODISHA, INDIA-761211-761211 INDIAN
12.	Names, addresses and nationalities of other persons, if any, authorised to assign or licence of rights comprising the copyright	:	N.A.
13.	If the work is an 'Artistic work', the location of the original work, including name, address and nationality of the person in possession of the work. (In the case of an architectural work, the year of completion of the work should also be shown).	:	N.A.
14.	If the work is an 'Artistic work' which is used or capable of being used in relation to any goods or services, the application should include a certification from the Registrar of Trade Marks in terms of the provision to Sub-Section (i) of Section 45 of the Copyright Act, 1957.	:	N.A.
15.	If the work is an 'Artistic work', whether it is registered under the Designs Act 2000 if yes give details.	:	N.A.
16.	If the work is an 'Artistic work', capable of being registered as a design under the Designs Act 2000.whether it has been applied to an article though an industrial process and ,if yes ,the number of times it is reproduced.	:	N.A.
17.	Remarks, if any	:	

Diary Number : 8504/2020-CO/L

Date of Application : 25/06/2020

Da: 25/06/2020

COPYRIGHT OFFICE ★ GOVT OF INDIA ★

DEPUTY REGISTRAR OF COPYRIGHTS

Copyright Office
Government of India

सत्यमेव जयते

Extracts from the Register of Copyrights

Dated : 15/09/2020

1.	Registration Number	:	**L-94694/2020**
2.	Name, address and nationality of the applicant	:	CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT-CUTM , AT. ALLURI NAGAR, VIA. R.SITAPUR, POST. PARLAKHEMUNDI, DIST. GAJAPATI, ODISHA, INDIA-761211-761211 INDIAN
3.	Nature of the applicant's interest in the copyright of the work	:	OWNER
4.	Class and description of the work	:	LITERARY/ DRAMATIC WORK
5.	Title of the work	:	LEARNING REFLECTION RECORD (LRR): A MULTIPURPOSE TOOL TO STUDENTS SUCCESS
6.	Language of the work	:	ENGLISH
7.	Name, address and nationality of the author and if the author is deceased, date of his decease	:	AMIYA SINGH , CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT-CUTM AT. JATNI, PO-RAMACHANDRAPUR, DIST-KHURDA, ODISHA, INDIA-752050 INDIAN
8.	Whether the work is published or unpublished	:	UNPUBLISHED
9.	Year and country of first publication and name, address and nationality of the publisher	:	N.A.
10.	Years and countries of subsequent publications, if any, and names, addresses and nationalities of the publishers	:	N.A.
11.	Names, addresses and nationalities of the owners of various rights comprising the copyright in the work and the extent of rights held by each, together with particulars of assignments and licences, if any	:	CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT-CUTM , AT. ALLURI NAGAR, VIA. R.SITAPUR, POST. PARLAKHEMUNDI, DIST. GAJAPATI, ODISHA, INDIA-761211-761211 INDIAN
12.	Names, addresses and nationalities of other persons, if any, authorised to assign or licence of rights comprising the copyright	:	N.A.
13.	If the work is an 'Artistic work', the location of the original work, including name, address and nationality of the person in possession of the work. (In the case of an architectural work, the year of completion of the work should also be shown).	:	N.A.
14.	If the work is an 'Artistic work' which is used or capable of being used in relation to any goods or services, the application should include a certification from the Registrar of Trade Marks in terms of the provision to Sub-Section (i) of Section 45 of the Copyright Act, 1957.	:	N.A.
15.	If the work is an 'Artistic work', whether it is registered under the Designs Act 2000 if yes give details.	:	N.A.
16.	If the work is an 'Artistic work', capable of being registered as a design under the Designs Act 2000.whether it has been applied to an article though an industrial process and ,if yes ,the number of times it is reproduced.	:	N.A.
17.	Remarks, if any	:	

Diary Number : 8505/2020-CO/L

Date of Application : 25/06/2020

Date : 25/06/2020

COPYRIGHT OFFICE ★ GOVT OF INDIA ★

DEPUTY REGISTRAR OF COPYRIGHTS

Copyright Office
Government of India

सत्यमेव जयते

Extracts from the Register of Copyrights

Dated : 15/09/2020

1.	Registration Number	:	**L-94695/2020**
2.	Name, address and nationality of the applicant	:	CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT-CUTM , AT. ALLURI NAGAR, VIA. R.SITAPUR, POST. PARLAKHEMUNDI, DIST. GAJAPATI, ODISHA, INDIA-761211-761211 INDIAN
3.	Nature of the applicant's interest in the copyright of the work	:	OWNER
4.	Class and description of the work	:	LITERARY/ DRAMATIC WORK
5.	Title of the work	:	PADDY PREDICT APP
6.	Language of the work	:	ENGLISH
7.	Name, address and nationality of the author and if the author is deceased, date of his decease	:	PROF. D.N.RAO , VICE PRESIDENT CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT-CUTM AT. ALLURI NAGAR, VIA. R.SITAPUR, POST. PARLAKHEMUNDI, DIST. GAJAPATI, ODISHA, INDIA-761211-761211 INDIAN DR.SAGAR MAITRA , FACULTY CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT-CUTM AT. ALLURI NAGAR, VIA. R.SITAPUR, POST. PARLAKHEMUNDI, DIST. GAJAPATI, ODISHA, INDIA-761211-761211 INDIAN
8.	Whether the work is published or unpublished	:	UNPUBLISHED
9.	Year and country of first publication and name, address and nationality of the publisher	:	N.A.
10.	Years and countries of subsequent publications, if any, and names, addresses and nationalities of the publishers	:	N.A.
11.	Names, addresses and nationalities of the owners of various rights comprising the copyright in the work and the extent of rights held by each, together with particulars of assignments and licences, if any	:	CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT-CUTM , AT. ALLURI NAGAR, VIA. R.SITAPUR, POST. PARLAKHEMUNDI, DIST. GAJAPATI, ODISHA, INDIA-761211-761211 INDIAN
12.	Names, addresses and nationalities of other persons, if any, authorised to assign or licence of rights comprising the copyright	:	N.A.
13.	If the work is an 'Artistic work', the location of the original work, including name, address and nationality of the person in possession of the work. (In the case of an architectural work, the year of completion of the work should also be shown).	:	N.A.
14.	If the work is an 'Artistic work' which is used or capable of being used in relation to any goods or services, the application should include a certification from the Registrar of Trade Marks in terms of the provision to Sub-Section (i) of Section 45 of the Copyright Act, 1957.	:	N.A.
15.	If the work is an 'Artistic work', whether it is registered under the Designs Act 2000 if yes give details.	:	N.A.
16.	If the work is an 'Artistic work', capable of being registered as a design under the Designs Act 2000.whether it has been applied to an article by an industrial process and ,if yes ,the number of times	:	N.A.
17.		:	

COPYRIGHT OFFICE ★ GOVT OF INDIA ★

8509/2020-CO/L

25/06/2020

Date of Dispatch : 25/06/2020

DEPUTY REGISTRAR OF COPYRIGHTS

Copyright Office
Government of India

सत्यमेव जयते

Extracts from the Register of Copyrights

Dated : 11/09/2020

1.	Registration Number	:	**L-94585/2020**
2.	Name, address and nationality of the applicant	:	CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT-CUTM , AT. ALLURI NAGAR, VIA. R.SITAPUR, POST. PARLAKHEMUNDI, DIST. GAJAPATI, ODISHA, INDIA-761211-761211 INDIAN
3.	Nature of the applicant's interest in the copyright of the work	:	OWNER
4.	Class and description of the work	:	LITERARY/ DRAMATIC WORK
5.	Title of the work	:	MONEY INSTANT TRANSACTION (MINT)
6.	Language of the work	:	ENGLISH
7.	Name, address and nationality of the author and if the author is deceased, date of his decease	:	DR.NAGESH KOLAGANI , FACULTY, DEPT OF CSE, CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT-CUTM AT. ALLURI NAGAR, VIA. R.SITAPUR, POST. PARLAKHEMUNDI, DIST. GAJAPATI, ODISHA, INDIA-761211-761211 INDIAN MS.SUNITA PANDA , PROJECT MANAGER, DEPT OF CSE, CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT-CUTM AT. ALLURI NAGAR, VIA. R.SITAPUR, POST. PARLAKHEMUNDI, DIST. GAJAPATI, ODISHA, INDIA-761211-761211 INDIAN
8.	Whether the work is published or unpublished	:	UNPUBLISHED
9.	Year and country of first publication and name, address and nationality of the publisher	:	N.A.
10.	Years and countries of subsequent publications, if any, and names, addresses and nationalities of the publishers	:	N.A.
11.	Names, addresses and nationalities of the owners of various rights comprising the copyright in the work and the extent of rights held by each, together with particulars of assignments and licences, if any	:	CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT-CUTM , AT. ALLURI NAGAR, VIA. R.SITAPUR, POST. PARLAKHEMUNDI, DIST. GAJAPATI, ODISHA, INDIA-761211-761211 INDIAN
12.	Names, addresses and nationalities of other persons, if any, authorised to assign or licence of rights comprising the copyright	:	N.A.
13.	If the work is an 'Artistic work', the location of the original work, including name, address and nationality of the person in possession of the work. (In the case of an architectural work, the year of completion of the work should also be shown).	:	N.A.
14.	If the work is an 'Artistic work' which is used or capable of being used in relation to any goods or services, the application should include a certification from the Registrar of Trade Marks in terms of the provision to Sub-Section (i) of Section 45 of the Copyright Act, 1957.	:	N.A.
15.	If the work is an 'Artistic work', whether it is registered under the Designs Act 2000 if yes give details.	:	N.A.
16.	If t... 'rtistic work', capable of being registered as a d... igns Act 2000.whether it has been applied to an ...trial process and ,if yes ,the number of times	:	N.A.
17.		:	

8511/2020-CO/L

Da... : 25/06/2020

Date of Receipt : 25/06/2020

COPYRIGHT OFFICE ★ GOVT OF INDIA ★

DEPUTY REGISTRAR OF COPYRIGHTS

Copyright Office
Government of India

सत्यमेव जयते

Extracts from the Register of Copyrights

Dated : 14/08/2020

1.	Registration Number	:	**L-93549/2020**
2.	Name, address and nationality of the applicant	:	CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT-CUTM , AT. ALLURI NAGAR, VIA. R.SITAPUR, POST. PARLAKHEMUNDI, DIST. GAJAPATI, ODISHA, INDIA-761211-761211 INDIAN
3.	Nature of the applicant's interest in the copyright of the work	:	OWNER
4.	Class and description of the work	:	LITERARY/ DRAMATIC WORK
5.	Title of the work	:	RATCHETING PEDAGOGY FOR FDP
6.	Language of the work	:	ENGLISH
7.	Name, address and nationality of the author and if the author is deceased, date of his decease	:	PROF. D.N.RAO , VICE PRESIDENT CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT-CUTM AT. ALLURI NAGAR, VIA. R.SITAPUR, POST. PARLAKHEMUNDI, DIST. GAJAPATI, ODISHA, INDIA-761211-761211 INDIAN DR. ANITA PATRA , FACULTY CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT-CUTM AT. ALLURI NAGAR, VIA. R.SITAPUR, POST. PARLAKHEMUNDI, DIST. GAJAPATI, ODISHA, INDIA-761211-761211 INDIAN DR. PRAJNA PANI , FACULTY CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT-CUTM AT. ALLURI NAGAR, VIA. R.SITAPUR, POST. PARLAKHEMUNDI, DIST. GAJAPATI, ODISHA, INDIA-761211-761211 INDIAN
8.	Whether the work is published or unpublished	:	UNPUBLISHED
9.	Year and country of first publication and name, address and nationality of the publisher	:	N.A.
10.	Years and countries of subsequent publications, if any, and names, addresses and nationalities of the publishers	:	N.A.
11.	Names, addresses and nationalities of the owners of various rights comprising the copyright in the work and the extent of rights held by each, together with particulars of assignments and licences, if any	:	CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT-CUTM , AT. ALLURI NAGAR, VIA. R.SITAPUR, POST. PARLAKHEMUNDI, DIST. GAJAPATI, ODISHA, INDIA-761211-761211 INDIAN
12.	Names, addresses and nationalities of other persons, if any, authorised to assign or licence of rights comprising the copyright	:	N.A.
13.	If the work is an 'Artistic work', the location of the original work, including name, address and nationality of the person in possession of the work. (In the case of an architectural work, the year of completion of the work should also be shown).	:	N.A.
14.	If the work is an 'Artistic work' which is used or capable of being used in relation to any goods or services, the application should include ...on from the Registrar of Trade Marks in terms of the ... Section (i) of Section 45 of the Copyright Act,	:	N.A.
15.	...c work', whether it is registered under the ... give details.	:	N.A.
16.	...ic work', capable of being registered as a ... gns Act 2000.whether it has been applied to an article ... dustrial process and ,if yes ,the number of times it is re...	:	N.A.
17.	Remarks, if any	:	

Diary Number : 8513/2020-CO/L

Date of Application : 25/06/2020

Date of Receipt : 25/06/2020

COPYRIGHT OFFICE ★ GOVT OF INDIA ★

DEPUTY REGISTRAR OF COPYRIGHTS

Copyright Office
Government of India

सत्यमेव जयते

Extracts from the Register of Copyrights

Dated : 19/08/2020

1.	Registration Number	:	**L-93790/2020**
2.	Name, address and nationality of the applicant	:	CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT-CUTM , AT. ALLURI NAGAR, VIA. R.SITAPUR, POST. PARLAKHEMUNDI, DIST. GAJAPATI, ODISHA, INDIA-761211-761211 INDIAN
3.	Nature of the applicant's interest in the copyright of the work	:	OWNER
4.	Class and description of the work	:	LITERARY/ DRAMATIC WORK
5.	Title of the work	:	GO TO MARKET LAB AND ITS PRACTICES
6.	Language of the work	:	ENGLISH
7.	Name, address and nationality of the author and if the author is deceased, date of his decease	:	PROF. D.N.RAO , VICE PRESIDENT CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT-CUTM AT. ALLURI NAGAR, VIA. R.SITAPUR, POST. PARLAKHEMUNDI, DIST. GAJAPATI, ODISHA, INDIA-761211-761211 INDIAN MR.DINESH TEJ , ASSISTANT PROFESSOR CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT-CUTM AT. ALLURI NAGAR, VIA. R.SITAPUR, POST. PARLAKHEMUNDI, DIST. GAJAPATI, ODISHA, INDIA-761211-761211 INDIAN
8.	Whether the work is published or unpublished	:	UNPUBLISHED
9.	Year and country of first publication and name, address and nationality of the publisher	:	N.A.
10.	Years and countries of subsequent publications, if any, and names, addresses and nationalities of the publishers	:	N.A.
11.	Names, addresses and nationalities of the owners of various rights comprising the copyright in the work and the extent of rights held by each, together with particulars of assignments and licences, if any	:	CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT-CUTM , AT. ALLURI NAGAR, VIA. R.SITAPUR, POST. PARLAKHEMUNDI, DIST. GAJAPATI, ODISHA, INDIA-761211-761211 INDIAN
12.	Names, addresses and nationalities of other persons, if any, authorised to assign or licence of rights comprising the copyright	:	N.A.
13.	If the work is an 'Artistic work', the location of the original work, including name, address and nationality of the person in possession of the work. (In the case of an architectural work, the year of completion of the work should also be shown).	:	N.A.
14.	If the work is an 'Artistic work' which is used or capable of being used in relation to any goods or services, the application should include a certification from the Registrar of Trade Marks in terms of the provision to Sub-Section (i) of Section 45 of the Copyright Act, 1957.	:	N.A.
15.	If the work is an 'Artistic work', whether it is registered under the Designs Act 2000 if yes give details.	:	N.A.
16.	If the work is an 'Artistic work', capable of being registered as a design under the Designs Act 2000.whether it has been applied to an article by an industrial process and ,if yes ,the number of times	:	N.A.
17.		:	

8574/2020-CO/L

26/06/2020

Date of Dispatch : 26/06/2020

DEPUTY REGISTRAR OF COPYRIGHTS

Copyright Office
Government of India

सत्यमेव जयते

Extracts from the Register of Copyrights

Dated : 04/01/2021

1.	Registration Number	:	**L-98087/2021**
2.	Name, address and nationality of the applicant	:	CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT-CUTM , AT. ALLURI NAGAR, VIA. R.SITAPUR, POST. PARLAKHEMUNDI, DIST. GAJAPATI, ODISHA, INDIA-761211-761211 INDIAN
3.	Nature of the applicant's interest in the copyright of the work	:	OWNER
4.	Class and description of the work	:	LITERARY/ DRAMATIC WORK
5.	Title of the work	:	THE FIVE STAGES MATRIX OF LEVEL OF EMPOWERMENT OF SHGS
6.	Language of the work	:	ENGLISH
7.	Name, address and nationality of the author and if the author is deceased, date of his decease	:	PROF. D.N.RAO , VICE PRESIDENT CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT-CUTM AT. ALLURI NAGAR, VIA. R.SITAPUR, POST. PARLAKHEMUNDI, DIST. GAJAPATI, ODISHA, INDIA-761211-761211 INDIAN DR.ANITA PATRA , FACULTY CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT-CUTM AT. ALLURI NAGAR, VIA. R.SITAPUR, POST. PARLAKHEMUNDI, DIST. GAJAPATI, ODISHA, INDIA-761211-761211-761211 INDIAN
8.	Whether the work is published or unpublished	:	UNPUBLISHED
9.	Year and country of first publication and name, address and nationality of the publisher	:	N.A.
10.	Years and countries of subsequent publications, if any, and names, addresses and nationalities of the publishers	:	N.A.
11.	Names, addresses and nationalities of the owners of various rights comprising the copyright in the work and the extent of rights held by each, together with particulars of assignments and licences, if any	:	CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT-CUTM , AT. ALLURI NAGAR, VIA. R.SITAPUR, POST. PARLAKHEMUNDI, DIST. GAJAPATI, ODISHA, INDIA-761211-761211 INDIAN
12.	Names, addresses and nationalities of other persons, if any, authorised to assign or licence of rights comprising the copyright	:	N.A.
13.	If the work is an 'Artistic work', the location of the original work, including name, address and nationality of the person in possession of the work. (In the case of an architectural work, the year of completion of the work should also be shown).	:	N.A.
14.	If the work is an 'Artistic work' which is used or capable of being used in relation to any goods or services, the application should include a certification from the Registrar of Trade Marks in terms of the provision to Sub-Section (i) of Section 45 of the Copyright Act, 1957.	:	N.A.
15.	If the work is an 'Artistic work', whether it is registered under the Designs Act 2000 if yes give details.	:	N.A.
16.	If the work is an 'Artistic work', capable of being registered as a design under the Designs Act 2000.whether it has been applied to an article by an industrial process and ,if yes ,the number of times	:	N.A.
17.		:	

8512/2020-CO/L

25/06/2020

Date of Dispatch : 25/06/2020

COPYRIGHT OFFICE ★ GOVT OF INDIA ★

DEPUTY REGISTRAR OF COPYRIGHTS

2019-20 1

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/12/2017

(21) Application No 201731043327 A

(43) Publication Date : 07/06/2019

(54) Title of the invention : AUTOMATIC CONTROL SYSTEM FOR WATER SPRINKLING AND VENTILATION

(51) International classification	:A01G 1/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)Centurion University of Technology and Management (CUTM)
Address of Applicant :17, Forest Park, Bhubaneswar, Khurda District - 751009 Odisha, India
(72)**Name of Inventor :**
1)Sangram Keshari Swain
2)Subrat Kumar Pradhan
3)Swarna Prabha Jena
4)Saroj Behera
5)T. Sunil Kumar

(57) Abstract :
The present invention proposes an automatic control system for water sprinkling and ventilation. The system comprises a circuit board that mechanically supports and electrically connects the components using conductive tracks and thereof. The system uses an arduino based ATmega microcontroller that is specifically programmed to compute the input signals. The signals are received from the various sensors that sense moisture content of beds, humidity and ambient temperature and thereof. This is achieved by using a detecting unit with plurality of detectors arrangement for an effective system. Once the controller receives this signal, it begins the process of computation in order to carry out the necessary action for comparing the precise parameters that are pre fed and displayed in a visual means, which makes it very much informative. The system reduces human intervention and takes care of proper maintenance of growth parameters and minimizing wastage of resources in the mushroom cultivation chamber

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201731043328 A

(19) INDIA

(22) Date of filing of Application :03/12/2017

(43) Publication Date : 07/06/2019

(54) Title of the invention : SMART MONITORING SYSTEM OF SOIL MOISTURE

(51) International classification	:G01N 33/00	(71)**Name of Applicant :** **1)Centurion University of Technology and Management (CUTM)** Address of Applicant :17, Forest park, Bhubaneswar, Khurda District - 751009, Odisha, India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72)**Name of Inventor :**
Filing Date	:NA	**1)Sangram Keshari Swain**
(87) International Publication No	: NA	**2)Subrat Kumar Pradhan**
(61) Patent of Addition to Application Number	:NA	**3)Swarna Prabha Jena**
Filing Date	:NA	**4)Saroj Behera**
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An integrated handheld soil moisture sensor device comprising a controller for controlling a soil moisture sensor and integrated to the microcontroller, an oscillator to generate an electrical signal of precise frequency and a sensing unit to determine the moisture content of the soil. The controller may be a microcontroller of 8051, AVR, PIC and the like controllers. The controller controls the sensor circuit in accordance to the program dumped in the controller. The soil moisture sensor may be a capacitance sensor, granular matrix sensor and the like sensors. The oscillator may be a crystal oscillator, Hartley oscillator and the like oscillators to provide clock signals based on type of said controller. The sensing unit may be a neutron probes, gravimetric probes and the like sensing units and material of the sensing unit may be a conducting material such as copper, aluminium, metal and thereof. The sensing unit is inserted into the soil to determine moisture content of the soil where in the moisture content is displayed with precise value. The invention consists of portable soil moisture sensor and a common display unit. This makes it possible for the user to observe the moisture level of the soil in multiple locations from a single conveniently positioned display unit.

No. of Pages : 15 No. of Claims : 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201731043329 A

(19) INDIA

(22) Date of filing of Application :03/12/2017

(43) Publication Date : 07/06/2019

(54) Title of the invention : LOW SMOKE PORTABLE COMBUSTION FURNACE

(51) International classification	:A47J 37/00	(71)**Name of Applicant :** **1)Centurion University of Technology and Management (CUTM)** Address of Applicant :# 17, Forest park, Bhubaneswar, Pin - 751009, Dist; Khurda, Odisha, India
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	(72)**Name of Inventor :**
Filing Date	:NA	**1)Nityananda Padhy**
(87) International Publication No	: NA	**2)Debashree debadatta Behera**
(61) Patent of Addition to Application Number	:NA	**3)Dr Biswajit Nayak**
Filing Date	:NA	**4)Shiv Sankar Das**
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A low smoke portable combustion furnace comprises a combustion chamber, a shell, a plurality of air inlets, a plurality of orifices, a plurality of set of pores engraved on orifices and a support structure to place an item such as a vessel, a pot, a container and the like. The combustion chamber is to contain and combust solid biomass fuels. The term ''biomass'' can be taken broadly to include any fuel, coal, oil, waste products, etc., that will burn more cleanly and efficiently by getting injected of air during combustion. The inventive design of the combustion chamber can be of a variety of shapes such as cylindrical or pie shape, depending on the type of fuel used and the stove's intended purpose. The furnace design reduces the amount of carbon monoxide gas emitted from the burning of solid fuel energy source, especially biomass.

No. of Pages : 20 No. of Claims : 10

4

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/10/2019

(21) Application No 201941040224 A

(43) Publication Date : 25/10/2019

(54) Title of the invention : MACHINE LEARNING BASED COMPUTER IMPLEMENTED METHOD FOR MANAGING PRODUCTION FROM A HYDROCARBON RESERVOIR

(51) International classification :G06N3/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)Deepa R
Address of Applicant :Assistant Professor, Department of Information Technology, St. Joseph's College of Engineering, Chennai, India Tamil Nadu India
2)Priyadharshini K
3)Bennet Prabhu .A
4)Dr. Sujata Chakravarty
5)Amar Kumar Das
6)Dr. Prashant Kumar Shukla
7)Dr. Piyush Kumar Shukla
(72)**Name of Inventor :**
1)Deepa R
2)Priyadharshini K
3)Bennet Prabhu .A
4)Dr. Sujata Chakravarty
5)Amar Kumar Das
6)Dr. Prashant Kumar Shukla
7)Dr. Piyush Kumar Shukla

(57) Abstract :
The present disclosure of invention is present machine learning based computer implemented method for managing production from a hydrocarbon reservoir. The objective of the present invention to provide overcomes the inadequacies of the prior art in effective management of production from a hydrocarbon reservoir. The presented computer implemented method uses a technical data and economic data with a neural network based model to manage the operation of the production of the hydrocarbon reservoir.

No. of Pages : 18 No. of Claims : 7

2018-19 1

(12) PATENT APPLICATION PUBLICATION
(21) Application No.201731018651 A
(19) INDIA
(22) Date of filing of Application :26/05/2017
(43) Publication Date : 14/12/2018

(54) Title of the invention : A MULTIPURPOSE SOLAR ENERGY OPERATED SUGARCANE AND FRUIT JUICE CART

(51) International classification	:B60L 8/00, B65G35/00, B60P 3/00	(71)**Name of Applicant :** 1)**Centurion University of Technology and Management** Address of Applicant :17, Forest park, Bhubaneswar, Khurda District - 751009, Odisha, India
(31) Priority Document No	:NA	(72)**Name of Inventor :** 1)**Udaya Kumar Sahoo**
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
The present invention proposes a multipurpose solar energy operated sugar cane and fruit juice cart comprising of housing with a solar roof and a platform divided into sections for holding a sugarcane crusher in one partition and a food processor in the other partition, powered by the solar energy captured by the solar panels. The solar energy is stored in battery banks, while the crusher is driven through a V-belt arrangement by a motor, being powered by the battery banks. The invention is advantageous in reducing sound pollution, environmental pollution while optimizing the business model of street vendors, by minimizing their energy cost and maximizing the productivity with green energy.

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

2017-18

1

(12) PATENT APPLICATION PUBLICATION

(21) Application No 201731027568 A

(19) INDIA

(22) Date of filing of Application :03/08/2017

(43) Publication Date : 08/09/2017

(54) Title of the invention A SYSTEM FOR PRECISE FARM MONITORING AND MICROCLIMATE CONTROL

(51) International classification :G01P5/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)CENTURION UNIVERSITY OF TECHNOLOGY & MANAGEMENT (CUTM)
Address of Applicant :HIG – 5, Phase -1, BDA Duplex Pokhariput, Khurda District, Bhubaneswar – 751020 Odisha, India
(72)**Name of Inventor :**
1)Aamlan Saswat Mishra

(57) Abstract :
The presernt invention proposes a system for precise farm monitoring and microclimate control. The system comrpises plurality of sensors in communication with a processor to detect farm parameters and transmit sensed values such as temperature, humidity, pH, methane and thereof to the processsor. The processor is configured to compare the values with predetermined limits stored in the professor and thereby control the connected devices such as foggers to spray watervapor into the enviroement for maintaining the temreoature betweeen of the farm of a place between wet bulb and dry bulb temperature, fertilizer valve to supply nutients, irrigation pump to supply water and thereof. The farmers, sharecroppers and the like can trade and display yeild on a gloabal market throught the applicaion mdouel ofmthe sytem which also facilitates precise farm monitoring. The invention is advantageous in providing farmers, sharecroppers and the like the flexibility of shifting crop seasons and obtains high yield not limiting themselves to the seasonal cops and expose farmers, sharecroppers and the like to global market.

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