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2021-22

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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.



Dated this 6th day of April 2022

Commissioner of Patents

PATENTS ACT 1990

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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.



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

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Register of Patents

Patents Act 1990

Innovation Patent

Patent no: 2021103371

Patentee(s): Shah, Vrushank DR of Electronics and Communication Department
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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
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Das, Shiv DR of Zenith School of Management Bhubaneswar Odisha
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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



Application Details

APPLICATION NUMBER	202131050687
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	04/11/2021
APPLICANT NAME	<ol style="list-style-type: none"> 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 :

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Address of Applicant :Professor, Department of Computer Applications, Godavari Institute of Engineering and Technology (Autonomous), Rajahmundry, Andhra Pradesh, India. Pin Code:533296 -----

2)Dr.Shaik 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 :

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Address of Applicant :Professor, Department of Computer Applications, Godavari Institute of Engineering and Technology (Autonomous), Rajahmundry, Andhra Pradesh, India. Pin Code:533296 -----

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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

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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 -----

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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



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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.



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.



सत्यमेव जयते

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



Application Details

APPLICATION NUMBER	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



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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
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Inventor(s): Hemalatha, S.
 Mohanty, Dipak Kumar
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 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

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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.



Dated this 25th day of August 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

(21) Application No. 202141033481 A

(19) INDIA

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

(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 :

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Address of Applicant :Assistant Professor, Department of Computer Science & Engineering, Shadan Womens College of Engineering & Technology, Khairatabad, 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 Siddiq

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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



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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.

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Tiruvedula 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, Tiruvedula; 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.



Dated this 20th day of April 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.

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 202131028359 A

(19) INDIA

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

(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**

<p>(51) International classification</p> <p>(31) Priority Document No</p> <p>(32) Priority Date</p> <p>(33) Name of priority country</p> <p>(86) International Application No Filing Date</p> <p>(87) International Publication No</p> <p>(61) Patent of Addition to Application Number Filing Date</p> <p>(62) Divisional to Application Number Filing Date</p>	<p>:A01B0079000000, G06Q0050020000, A01B0069040000, G06T0005000000, A01D0041127000</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p>	<p>(71)Name of Applicant :</p> <p>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</p> <p>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</p> <p>(72)Name of Inventor :</p> <p>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</p>
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(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 IoT devices with cost efficient real time surveillance.

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



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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):

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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.

Dated this 9th day of June 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

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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 OF CARS 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

(21) Application No. 202241021062 A

(19) INDIA

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

(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

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 substituted:				Date registered	
71 Assignee(s):				Date registered	
72 Full name(s) of inventor(s):					
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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):					
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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
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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.
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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



Application Details

APPLICATION NUMBER	202231023168
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	20/04/2022
APPLICANT NAME	<ol style="list-style-type: none"> 1 . Dr. Ramesh Chandra Mohapatra 2 . Mr. Adiraj Behera 3 . Dr. Venkataramana Kandli 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

(21) Application No. 202241011193 A

(19) INDIA

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

(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

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(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

(21) Application No. 202211010470 A

(19) INDIA

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

(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

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(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 : G06N002000000, 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

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(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

(21) Application No. 202241013549 A

(19) INDIA

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

(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

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(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

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(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

(21) Application No. 202231011883 A

(19) INDIA

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

(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 :NA
Filing Date :NA

(87) International Publication No : NA

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

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

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10)DR. VAIBHAV PANDURANG SONAJE

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(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

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(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

(21) Application No. 202221012862 A

(19) INDIA

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

(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

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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
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(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.

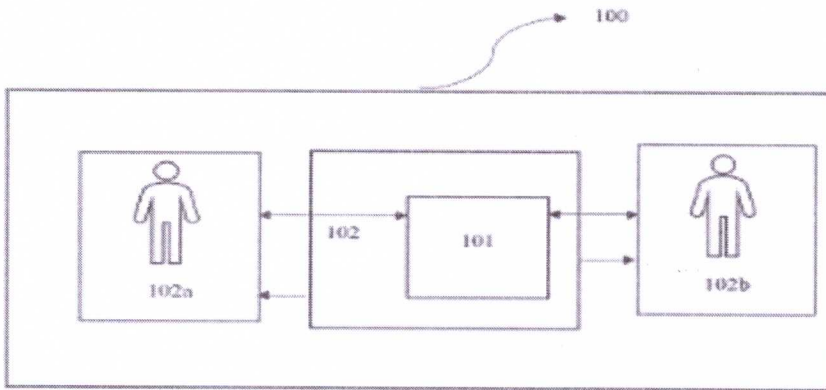


Figure 1: Schematic view

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 20221011890 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 :G06N002000000, 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

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(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.

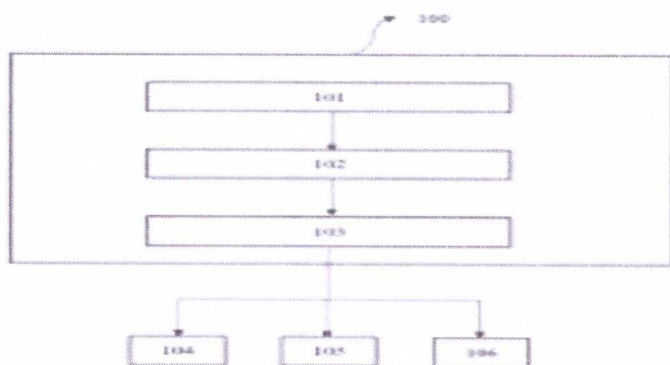


Figure 1: Block Diagram

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 20221011870 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

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(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.

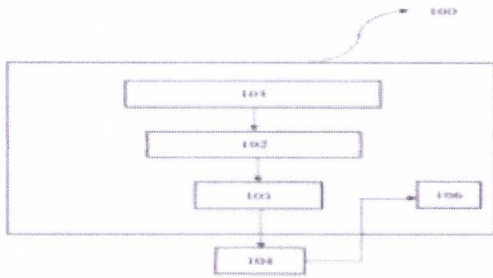


Figure 1. Block diagram

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
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TITLE OF INVENTION	AN IMAGE PROCESSING SYSTEM WITH CONVOLUTIONAL NEURAL NETWORK MODULES AND METHOD THEREOF
FIELD OF INVENTION	COMPUTER SCIENCE
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ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	05/11/2021

2022

1



REPUBLIC OF SOUTH AFRICA

REPUBLIEK VAN SUID AFRIKA

PATENTS ACT, 1978

CERTIFICATE

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

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

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

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



A handwritten signature in black ink, appearing to be 'S. D. M.', written over a dotted line.

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	
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):				
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71	Applicant substituted:			Date registered	
71	Assignee(s):			Date registered	
72	Full name(s) of inventor(s):				
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Priority claimed:		Country	Number	Date	
54	Title of invention				
A SYSTEM FOR ENHANCING PLANT IMMUNITY AND PLANT GROWTH BY USING FABRICATED ZNO-ZNFE2O4 NANOPARTICLES					
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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
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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

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(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

(21) Application No. 202231039408 A

(19) INDIA

(22) Date of filing of Application : 08/07/2022

(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

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(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

(21) Application No. 202131004379 A

(19) INDIA

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

(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	(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
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Bidyut Kumar Kundu
(33) Name of priority country	:NA	2)Suman Mukhopadhyay
(86) International Application No	:NA	3)Pragti
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 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

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):				
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71	Applicant substituted:			Date registered	
71	Assignee(s):			Date registered	
72	Full name(s) of inventor(s):				
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	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):				
	<p>Department of Electronics and Communication Engineering, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050 INDIA</p> <p>Department of Mathematics, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050 INDIA</p> <p>Department of Zoology, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050 INDIA</p> <p>Department of Mathematics, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050 INDIA</p> <p>Department of Mathematics, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050 INDIA</p> <p>Department of CSE, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050 INDIA</p> <p>Department of CSE, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, Odisha, 752050 INDIA</p> <p>Department of Mechanical Engineering, Centurion University of Technology and Management, Ramchandrapur, Jatni, Khurda, 752050, Odisha, INDIA</p>				

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REGISTER OF PATENTS

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51	A61K	23	2022/05/11		2022/11/30
71	Full name(s) of applicant(s)/Patentee(s):				
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71	Applicant substituted:			Date registered	
71	Assignee(s):			Date registered	
72	Full name(s) of inventor(s):				
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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):					
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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
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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.
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(12) PATENT APPLICATION PUBLICATION

(21) Application No. 202231056036 A

(19) INDIA

(22) Date of filing of Application : 29/09/2022

(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

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(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



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Application Details

APPLICATION NUMBER	202231062139
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	31/10/2022
APPLICANT NAME	<ol style="list-style-type: none"> 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
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Application Details

APPLICATION NUMBER	202231062715
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	02/11/2022
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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
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ADDITIONAL-EMAIL (As Per Record)	
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PUBLICATION DATE (U/S 11A)	04/11/2022



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Application Details

APPLICATION NUMBER	202231063326
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	05/11/2022
APPLICANT NAME	<ol style="list-style-type: none"> 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
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Application Details

APPLICATION NUMBER	202231063516
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	07/11/2022
APPLICANT NAME	<ol style="list-style-type: none"> 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
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ADDITIONAL-EMAIL (As Per Record)	tumula.githam@gmail.com
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(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//
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 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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5)Mr. Mayank Chauhan

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8)Mr. Akash Sood

9)Mr. Krushna Chandra Sethi

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Name of Applicant : NA

Address of Applicant : NA

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(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



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Application Details

APPLICATION NUMBER	202241064085
APPLICATION TYPE	ORDINARY APPLICATION
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APPLICANT NAME	<ol style="list-style-type: none"> 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 Shanthy 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
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Application Details

APPLICATION NUMBER	202241065549
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	16/11/2022
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TITLE OF INVENTION	Novel nano formulations-based drugs for enhanced bioavailability
FIELD OF INVENTION	CHEMICAL
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PRIORITY DATE	
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Application Status



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Application Details

APPLICATION NUMBER	202241062660
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	02/11/2022
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TITLE OF INVENTION	A secure routing protocol in opportunistic internet of things network using machine learning approach.
FIELD OF INVENTION	COMMUNICATION
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PUBLICATION DATE (U/S 11A)	18/11/2022

Application Status



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Application Details	
APPLICATION NUMBER	202241065251
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	14/11/2022
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TITLE OF INVENTION	IOT based irrigation system using soil moisture sensor in agriculture field
FIELD OF INVENTION	MECHANICAL ENGINEERING
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Government of India

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Application Details

APPLICATION NUMBER	202241062141
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	01/11/2022
APPLICANT NAME	<ol style="list-style-type: none"> 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)	
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Application Status

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(21) Application No. 202211068166 A

(19) INDIA

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

(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

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Name of Applicant : NA

Address of Applicant : NA

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(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

(21) Application No. 202211053620 A

(19) INDIA

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

(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
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 (62) Divisional to Application Number : NA
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(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

(21) Application No. 202231055096 A

(19) INDIA

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

(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 : 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

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(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

(21) Application No. 202241063289 A

(19) INDIA

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

(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

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(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

(21) Application No. 202241064454 A

(19) INDIA

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

(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 : G06N002000000, G06Q001000000, G06K000962000, 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

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(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 : A61P003500000, A61P004300000, 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

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(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
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(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.

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Application Details

APPLICATION NUMBER	202241055209
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	27/09/2022
APPLICANT NAME	<ol style="list-style-type: none"> 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
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PUBLICATION DATE (U/S 11A)	07/10/2022

Application Status

APPLICATION STATUS	Awaiting Request for Examination
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Application Details

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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
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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 testimony whereof, the seal of the Patent Office has been affixed at Pretoria with effect from the **28th day of September 2022**



A handwritten signature in black ink, appearing to be 'S. D. H.', written over a dotted line.

Registrar of Patents