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सत्यमेव जयते

भारत सरकार
GOVERNMENT OF INDIA

पेटेंट कार्यालय
THE PATENT OFFICE

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

क्रमांक : 033115145
SL No :



पेटेंट सं. / Patent No. : 362391
आवेदन सं. / Application No. : 202031035660
फाइल करने की तारीख / Date of Filing : 19/08/2020
पेटेंटी / Patentee : Dr.Sujata Chakravarty

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में यथाप्रकटित MULTI-LEVEL SECURITY AND DETECTION SYSTEM TO AVERT ELEPHANT ACCIDENTS AT RAILWAY TRACKS नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख 19th day of August 2020 से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled MULTI-LEVEL SECURITY AND DETECTION SYSTEM TO AVERT ELEPHANT ACCIDENTS AT RAILWAY TRACKS as disclosed in the above mentioned application for the term of 20 years from the 19th day of August 2020 in accordance with the provisions of the Patents Act,1970.



अनुदान की तारीख : 22/03/2021
Date of Grant :

पेटेंट नियंत्रक
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, 19th day of August 2022 को और उसके पश्चात प्रत्येक वर्ष में उसी दिन देय होगी।

Note. - The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on 19th day of August 2022 and on the same day in every year thereafter.



Australian Government

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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):

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.



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.



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 Jhunjunwala 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.



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.



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:



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.



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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 Institute 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:



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.

This data, for application number 2021100002, is current as of 2021-03-18 21:00 AEST



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.



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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.



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CERTIFICATE OF GRANT INNOVATION PATENT



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

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

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

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

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.



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



Registrar of Patents

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 substituted:			Date registered	
71	Assignee(s):			Date registered	
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
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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.

