

2020-21

1



ORIGINAL

No. 96351

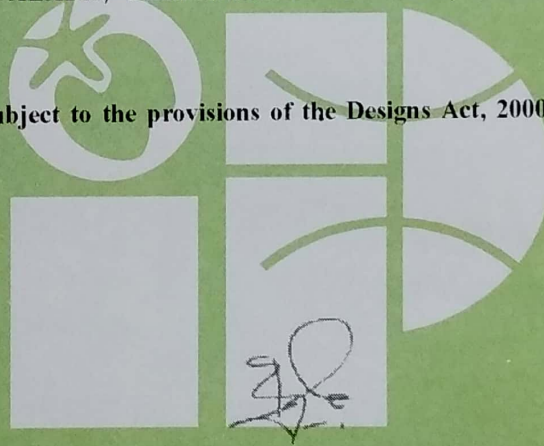
भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE

CERTIFICATE OF REGISTRATION OF DESIGN

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

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

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



Controller General of Patents, Designs and Trade Marks

*The reciprocity date (if any) which has been allowed and the name of the country.

Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years.

This Certificate is not for use in legal proceedings or for obtaining registration abroad

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

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No: 202141018335 A

(19) INDIA

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

(43) Publication Date : 30/04/2021

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

(51) International classification : A01M0029160000,
G06Q0050020000,
A01M0029100000,
G06K0009620000,
A01M0031000000

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

(71) Name of Applicant :
1) Dr. Aruna Kumari Nakkella
Address of Applicant : Assistant Principal, Dr.B. University, Srikakulam, D.No: 20-14-13, Ramachar Near SBI, Kambal Tank Branch, Rajamahendravara Godavari-533103, Andhra Pradesh, India. Andhra P

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

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

(57) Abstract :

ABSTRACT: Title: Artificial Intelligence Based Animal Detection and Identification System for Protection of Field Crops. The present disclosure proposes an artificial intelligence based animal detection and identification system for protection of field crops from wild animals. The system comprises of an animal detection module 101, a video capturing module 102, a position detection module 103, an image processing module 104, a projection module 105, and a sound producing module 106. The system 100 system protects field crops from wild animals by projecting 3-D image along with sounds of a natural enemy animal. The proposed system projects three dimensional images of multiple natural enemy animals based on number of the identified animals in the protection system is capable of detecting animals in any climate condition, such as in hot weather condition. The proposed system prevents harm to the animals or the environment, or inconvenience to humans who might enter the protected area.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 202141010684 A

(19) INDIA

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

(43) Publication Date : 19/03/2021

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

<p>(51) International classification : G07F0017000000, G06Q0050220000, G16H0020130000, A61J0007000000, G16H0020100000</p> <p>(31) Priority Document No : NA</p> <p>(32) Priority Date : NA</p> <p>(33) Name of priority country : NA</p> <p>(86) International Application No : PCT// Filing Date : 01/01/1900</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number: NA Filing Date : NA</p> <p>(62) Divisional to Application Number : NA Filing Date : NA</p>	<p>(71) Name of Applicant :</p> <p>1) Dr. M. Akiful Haque, Anurag University Address of Applicant : School Of Pharmacy, Anurag University, Venkatapur, Medchal Dist, Hyderabad Telangana India 500088 Telangana India</p> <p>2) Dr. Dibyalochan Mohanty, Anurag University</p> <p>3) Dr. Chembeti Praveen Kumar, Ratnam Institute of Pharmacy</p> <p>4) Mr. Venugopalaiah Penabaka, Ratnam Institute of Pharmacy</p> <p>5) Dr. Pratap Kumar Patra, Sree Dattha Institute of Pharmacy</p> <p>6) Ladi Alik Kumar, Centurian University of Technology and Management</p> <p>7) Anjana Devi, Career Point University</p> <p>8) Bhawana Bhatt, Shri Guru Ram Rai University</p> <p>9) Sudhakar Kaushik, Shri Guru Ram Rai University</p> <p>10) Mr. Neeraj Bhandari, Sri Sai College Of Pharmacy</p> <p>11) Mr. Tarun Kumar, Laureate Institute of Pharmacy</p> <p>12) Mr. Sanjay Kumar, Gautam college of Pharmacy</p> <p>(72) Name of Inventor :</p> <p>1) Dr. M. Akiful Haque, Anurag University</p> <p>2) Dr. Dibyalochan Mohanty, Anurag University</p> <p>3) Dr. Chembeti Praveen Kumar, Ratnam Institute of Pharmacy</p> <p>4) Mr. Venugopalaiah Penabaka, Ratnam Institute of Pharmacy</p> <p>5) Dr. Pratap Kumar Patra, Sree Dattha Institute of Pharmacy</p> <p>6) Ladi Alik Kumar, Centurian University of Technology and Management</p> <p>7) Anjana Devi, Career Point University</p> <p>8) Bhawana Bhatt, Shri Guru Ram Rai University</p> <p>9) Sudhakar Kaushik, Shri Guru Ram Rai University</p> <p>10) Mr. Neeraj Bhandari, Sri Sai College Of Pharmacy</p> <p>11) Mr. Tarun Kumar, Laureate Institute of Pharmacy</p> <p>12) Mr. Sanjay Kumar, Gautam college of Pharmacy</p>
---	---

(57) Abstract :

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

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



Australian Government

IP Australia

4

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

5

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2020103242



Dated this 3rd day of March 2021

Commissioner of Patents

PATENTS ACT 1990

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



Australian Government

IP Australia

6

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.



Australian Government

IP Australia

7

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021100002

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

Name and address of patentee(s):

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

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

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

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

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

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

Tulika Chakrabarti of Assistant Professor (Grade-A), Dept.of Chemistry, Sir Padampat Singhanian 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.

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 202131001373 A

(19) INDIA

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

(43) Publication Date 12/02/2021

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

<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>:G07C0001100000, H04N0007180000, G06Q0010060000, B63H0001000000, H04L0029080000</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>:NA</p>	<p>(71)Name of Applicant :</p> <p>1)DR.SATYABRATA DASH Address of Applicant :DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, GANDHI ENGINEERING COLLEGE, BHUNANESWAR,ORISSA.</p> <p>2)DR.HEMRAJ SAINI</p> <p>3)DR.SUJATA CHAKARVARTY</p> <p>4)SWARNA PRABHA JENA</p> <p>5)SUBRAT KUMAR PRADHAN</p> <p>6)MR.BARADA P.PANIGRAHY</p> <p>7)DR.SUBAS CH. NATH</p> <p>8)DR.SUSANTA KUMAR ROUT</p> <p>(72)Name of Inventor :</p> <p>1)DR.SATYABRATA DASH</p> <p>2)DR.HEMRAJ SAINI</p> <p>3)DR.SUJATA CHAKARVARTY</p> <p>4)SWARNA PRABHA JENA</p> <p>5)SUBRAT KUMAR PRADHAN</p> <p>6)MR.BARADA P.PANIGRAHY</p> <p>7)DR.SUBAS CH. NATH</p> <p>8)DR.SUSANTA KUMAR ROUT</p>
--	--	--

(57) Abstract :

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

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

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

(51) International classification

:A61K
36/00

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71)Name of Applicant :

1)Dr.Aruna Kumari Nakkella

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

2)Dr.V.Nagalakshmi

3)Dr.Sandeep Rout

4)Mr.Ajay Kumar Prusty

5)Dr.Kalyani Pradhan

6)Monika Ray

7)Meenalchi Prusty

8)Dr.N.Padmaja

9)Dr.Santosh Karajgi

10)Dr.Mohan Seelam

11)Dr.Bassa Satyannarayana

12)Srivastava Pratima Kumari

13)Dr.S.Srilalitha

14)Dr.P.Sri Rama Murthy

(72)Name of Inventor :

1)Dr.Aruna Kumari Nakkella

2)Dr.V.Nagalakshmi

3)Dr.Sandeep Rout

4)Mr.Ajay Kumar Prusty

5)Dr.Kalyani Pradhan

6)Monika Ray

7)Meenalchi Prusty

8)Dr.N.Padmaja

9)Dr.Santosh Karajgi

10)Dr.Mohan Seelam

11)Dr.Bassa Satyannarayana

12)Srivastava Pratima Kumari

13)Dr.S.Srilalitha

14)Dr.P.Sri Rama Murthy

(57) Abstract :

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

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 202031048523 A

(19) INDIA

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

(43) Publication Date : 11/12/2020

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

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

(71)Name of Applicant :

1)DR.GEETANJALI RATHEE

Address of Applicant :DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT, SOLAN

2)DR.HEMRAJ SAINI

3)DR.SATYABRATA DASH

4)DR.SUJATA CHAKARVARTY

5)DR.SUSANTA KUMAR ROUT

6)MR.BARADA P.PANIGRAHY

(72)Name of Inventor :

1)DR.GEETANJALI RATHEE

2)DR.HEMRAJ SAINI

3)DR.SATYABRATA DASH

4)DR.SUJATA CHAKARVARTY

5)DR.SUSANTA KUMAR ROUT

6)MR.BARADA P.PANIGRAHY

(57) Abstract :

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

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 393041012200 A

(19) INDIA

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

(43) Publication Date : 11/12/2020

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

(31) International classification

-A61K

(31) Priority Document No

36/732

(32) Priority Date

NA

(33) Name of priority country

NA

(36) International Application No

NA

Filing Date

NA

(37) International Publication No

NA

(61) Patent of Addition to Application Number

NA

Filing Date

NA

(62) Divisional to Application Number

NA

Filing Date

NA

(71) Name of Applicant :

1) Dr. Aruna Kumari Nakkella

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

2) Dr. Surendra Kumar Agarwal

3) Dr. Sandeep Rout

4) Mr. Gyanaranjan Sahoo

5) Dr. Rameshiah Mallu

6) Dr. Asha Mathew

7) Dr. Sulochana Mungu

8) Dr. Manjulata Upadhyaya

9) Dr. Kokila S

10) Dr. N. Padmaja

11) Mr. Devendra Singh

12) Dr. Kalyani Pradhan

13) Mr. Ajay Kumar Prusty

(72) Name of Inventor :

1) Dr. Aruna Kumari Nakkella

2) Dr. Surendra Kumar Agarwal

3) Dr. Sandeep Rout

4) Mr. Gyanaranjan Sahoo

5) Dr. Rameshiah Mallu

6) Dr. Asha Mathew

7) Dr. Sulochana Mungu

8) Dr. Manjulata Upadhyaya

9) Dr. Kokila S

10) Dr. N. Padmaja

11) Mr. Devendra Singh

12) Dr. Kalyani Pradhan

13) Mr. Ajay Kumar Prusty

(37) Abstract :

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

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 202031039046 A

(19) INDIA

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

(43) Publication Date : 16/10/2020

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

(51) International classification : A61K0045060000,
A61B0005020500,
G01N0033543000,
A61B0005145000,
A61K0031546000

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

(71) Name of Applicant :

1) DR. SATYABRATA DASH

Address of Applicant : DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING , GANDHI ENGINEERING COLLEGE, BHUBANESWAR-754006, ODISHA, INDIA.

2) DR. HEMRAJ SAINI**3) DR. SUJATA CHAKARVARTY****4) SWARNAPRABHA JENA****5) SUBBRAT KUMAR PRADHAN****6) MR. BARADA P. PANIGRAHY****7) MR. SUBAS CH. NATH****8) DR. SUSANTA KUMAR ROUTH**

(72) Name of Inventor :

1) DR. SATYABRATA DASH**2) DR. HEMRAJ SAINI****3) DR. SUJATA CHAKARVARTY****4) SWARNAPRABHA JENA****5) SUBBRAT KUMAR PRADHAN****6) MR. BARADA P. PANIGRAHY****7) MR. SUBAS CH. NATH****8) DR. SUSANTA KUMAR ROUTH**

(57) Abstract :

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

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 202031035686 A

(19) INDIA

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

(43) Publication Date : 11/09/2020

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

(51) International classification

:A61B0005145500,
G01N0035100000,
A61B0005020500,
F04C0023000000,
G01N0021780000

(31) Priority Document No

:NA

(32) Priority Date

:NA

(33) Name of priority country

:NA

(86) International Application No

:NA

Filing Date

:NA

(87) International Publication No

:NA

(61) Patent of Addition to Application Number

:NA

Filing Date

:NA

(62) Divisional to Application Number

:NA

Filing Date

:NA

(71) Name of Applicant :

1) DR. SATYABRATA DASH

Address of Applicant : DEPARTMENT OF COMPUTER
SCIENCE & ENGINEERING, GANDHI ENGINEERING
COLLEGE, BHUBANESWAR-754006, ORISSA, INDIA

2) DR. HEMRAJ SAINI

3) DR. SUJATA CHAKARVARTY

4) SWARNAPRABHA JENA

5) SUBRAT KUMAR PRADHAN

6) MR. BARADA P. PANIGRAHY

7) DR. SUBASH CH. NATH

8) DR. SUSANTA KUMAR ROUT

(72) Name of Inventor :

1) DR. SATYABRATA DASH

2) DR. HEMRAJ SAINI

3) DR. SUJATA CHAKARVARTY

4) SWARNAPRABHA JENA

5) SUBRAT KUMAR PRADHAN

6) MR. BARADA P. PANIGRAHY

7) DR. SUBASH CH. NATH

8) DR. SUSANTA KUMAR ROUT

(57) Abstract :

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

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 202031035660 A

(19) INDIA

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

(43) Publication Date : 04/09/2020

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

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

(71) Name of Applicant :

1) Dr. Sujata Chakravarty

Address of Applicant : Flat-251, Northern Heights,
Nandanvihar, Bhubaneswar-751024, Odisha, India.

(72) Name of Inventor :

1) Payal Bhadra

2) Avijit Balabantaray

3) Sujit Kumar Sahoo

4) Dr. Sujata Chakravarty

(57) Abstract :

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

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 202031024943 A

(19) INDIA

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

(43) Publication Date : 17/07/2020

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

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

(71) Name of Applicant :

1) Centurion University of Technology & Management (CUTM)

Address of Applicant : At-Alluri Nagar Village, PO-R.Sitapur, Via-Uppalada, Paralakhemundi-761211, Gajapati District, Odisha, India.

(72) Name of Inventor :

1) Preetha Bhadra

(57) Abstract :

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

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 202031024944 A

(19) INDIA

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

(43) Publication Date :17/07/2020

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

(51) International classification	:A01N63/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Centurion University of Technology & Management
(32) Priority Date	:NA	(CUTM)
(33) Name of priority country	:NA	Address of Applicant :At-Alluri Nagar Village, PO-R.Sitapur,
(86) International Application No	:NA	Via-Uppalada, Paralakhemundi-761211, Gajapati District, Odisha,
Filing Date	:NA	India.
(87) International Publication No	:NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)Preetha Bhadra
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

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

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 202031024945 A

(19) INDIA

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

(43) Publication Date : 17/07/2020

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

(51) International classification : A01N63/00

(31) Priority Document No : NA

(32) Priority Date : NA

(33) Name of priority country : NA

(86) International Application No : NA

Filing Date : NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number : NA

Filing Date : NA

(62) Divisional to Application Number : NA

Filing Date : NA

(71) Name of Applicant :

1) Centurion University of Technology & Management

(CUTM)

Address of Applicant : At-Alluri Nagar Village, PO-R. Sitapur, Via-Uppalada, Paralakhemundi-761211, Gajapati District, Odisha, India.

(72) Name of Inventor :

1) Preetha Bhadra

(57) Abstract :

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

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 202031024946 A

(19) INDIA

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

(43) Publication Date :17/07/2020

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

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

(71) Name of Applicant :

1) Centurion University of Technology & Management (CUTM)

Address of Applicant :At-Alluri Nagar Village, PO-R. Sitapur, Via-Uppalada, Paralakhemundi-761211, Gajapati District, Odisha, India.

(72) Name of Inventor :

1) Preetha Bhadra

(57) Abstract :

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

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 202031027644 A

(19) INDIA

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

(43) Publication Date :17/07/2020

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

(51) International classification	:A01N63/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1) Centurion University of Technology & Management (CUTM)
(32) Priority Date	:NA	
(33) Name of priority country	:NA	Address of Applicant :At-Alluri Nagar Village, PO-R.Sitapur, Via-Uppalada, Parlakhemundi-761211, Gajapati District, Odisha, India.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1) Chinmaya Chidananda Behera
(87) International Publication No	:NA	2) Dr. Amulyaratna Behera
(61) Patent of Addition to Application Number	:NA	3) Dr. Priyanka Das
Filing Date	:NA	4) Mrs. Suchismeeta Behera
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

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

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No: 202031027645 A

(19) INDIA

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

(43) Publication Date : 17/07/2020

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

(51) International classification : A61K36/00

(31) Priority Document No : NA

(32) Priority Date : NA

(33) Name of priority country : NA

(86) International Application No : NA

Filing Date : NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number : NA

Filing Date : NA

(62) Divisional to Application Number : NA

Filing Date : NA

(71) Name of Applicant :

1 Centurion University of Technology & Management

(CUTM)

Address of Applicant : At-Alluri Nagar Village, PO-R.Sitapur, Via-Uppalada, Parlakhemundi-761211, Gajapati District, Odisha, India.

(72) Name of Inventor :

1 Chinmaya Chidananda Behera

2 Dr. Amulyaratna Behera

3 Dr. Priyanka Das

4 Mrs. Suchismeeta Behera

(57) Abstract :

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

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 202031027646 A

(19) INDIA

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

(43) Publication Date : 17/07/2020

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

(51) International classification : A61K36/00

(31) Priority Document No : NA

(32) Priority Date : NA

(33) Name of priority country : NA

(86) International Application No : NA

Filing Date : NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number : NA

Filing Date : NA

(62) Divisional to Application Number : NA

Filing Date : NA

(71) Name of Applicant :

1) Centurion University of Technology & Management (CUTM)

Address of Applicant : At-Alluri Nagar Village, PO-R.Sitapur, Via-Uppalada, Parlakhemundi-761211, Gajapati District, Odisha, India.

(72) Name of Inventor :

1) Chinmaya Chidananda Behera

2) Dr. Amulyaratna Behera

3) Mr. Suman Kumar Mekap

4) Mrs. Suchismeeta Behera

(57) Abstract :

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

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 202031027647 A

(19) INDIA

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

(43) Publication Date : 17/07/2020

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

(51) International classification : A61K36/00

(31) Priority Document No : NA

(32) Priority Date : NA

(33) Name of priority country : NA

(86) International Application No : NA

Filing Date : NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number : NA

Filing Date : NA

(62) Divisional to Application Number : NA

Filing Date : NA

(71) Name of Applicant :

1) Centurion University of Technology & Management (CUTM)

Address of Applicant : At-Alluri Nagar Village, PO-R.Sitapur, Via-Uppalada, Parlakhemundi-761211, Gajapati District, Odisha, India.

(72) Name of Inventor :

1) Chinmaya Chidananda Behera

2) Dr. Amulyaratna Behera

3) Dr. Gurudutta Pattnaik

4) Mrs. Suchismita Behera

(57) Abstract :

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

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 202031027660 A

(19) INDIA

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

(43) Publication Date : 17/07/2020

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

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

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

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

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 202031027661 A

(19) INDIA

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

(43) Publication Date : 17/07/2020

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

(51) International classification : A61K45/00

(31) Priority Document No. : NA

(32) Priority Date : NA

(33) Name of priority country : NA

(86) International Application No. : NA

Filing Date : NA

(87) International Publication No. : NA

(61) Patent of Addition to Application Number : NA

Filing Date : NA

(62) Divisional to Application Number : NA

Filing Date : NA

(71) Name of Applicant :

1) Centurion University of Technology & Management (CUTM)

Address of Applicant : At-Alluri Nagar Village, PO-R. Sitapur, Via-Uppalada, Paralakhemundi-761211, Gajapati District, Odisha, India

(72) Name of Inventor :

1) Chinmaya Chidananda Behera

2) Dr. Amulyaratna Behera

3) Mr. Suman Kumar Mekap

4) Mrs. Suchismeeta Behera

(57) Abstract :

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

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 201941032262 A

(19) INDIA

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

(43) Publication Date : 03/07/2020

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

(51) International classification	:F02B 75/16	(71) Name of Applicant :
(31) Priority Document No	:NA	1) Dr. GURRAM ARUN MANOHAR
(32) Priority Date	:NA	Address of Applicant : 50-94-25/12, ARUN APARTMENTS
(33) Name of priority country	:NA	SHANTIPURAM, VISAKHAPATNAM, ANDHRA PRADESH-
(86) International Application No	:NA	530016, INDIA. Andhra Pradesh India
Filing Date	:NA	2) Dr. G. Arun Manohar
(87) International Publication No	:NA	(72) Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1) Dr. GURRAM ARUN MANOHAR
Filing Date	:NA	2) Dr. G. Arun Manohar
(62) Divisional to Application Number	:NA	3) Dr. D. Nageswara Rao
Filing Date	:NA	4) Dr. D. NAGESWARA RAO

(57) Abstract :

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

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 201931004151 A

(19) INDIA

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

(43) Publication Date : 19/06/2020

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

(51) International classification	:A61B0034300000, H04N0021218000, H04N0021218700, H04N0007180000, G09C0001000000	(71)Name of Applicant : 1)Centurion University of Technology & Management (CUTM) Address of Applicant :Alluri Nagar Village, P.O- R Sitapur, Via- Uppalada, Paralakhemundi, Gajapati- 761211, Odisha, India
(31) Priority Document No	:NA	(72)Name of Inventor : 1)Avinash Seekoli 2)Debasish Mohanty 3)S.Ranjit Rao
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number:	NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

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

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 201931032613 A

(19) INDIA

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

(43) Publication Date : 19/06/2020

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

<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>:A61K0036230000, A61K0031474500, A61K0048000000, A61K0041000000, A61K0009480000</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>: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>I) Centurion University of Technology & Management (CUTM)</p> <p>Address of Applicant :At-Alluri Nagar Village, PO-R. Sitapur, Via-Uppalada, Paralakhemundi-761211, Gajapati District, Odisha, India</p> <p>(72)Name of Inventor :</p> <p>I) Preetha Bhadra</p>
--	---	---

(57) Abstract :

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

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 201931032614 A

(19) INDIA

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

(43) Publication Date : 19/06/2020

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

(51) International classification : A61K0036610000,
A23L0033105000,
A61K0031198000,
A61K0048000000,
A21D0002360000

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

(71) Name of Applicant :

1) Centurion University of Technology & Management (CUTM)

Address of Applicant : At-Alluri Nagar Village, PO-R. Sitapur, Via-Uppalada, Paralakhemundi-761211, Gajapati District, Odisha, India

(72) Name of Inventor :

1) Preetha Bhadra

(57) Abstract :

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

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 201931032615 A

(19) INDIA

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

(43) Publication Date : 19/06/2020

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

	:A61K0048000000,
(51) International classification	A61K0041000000,
	A61K0031708000,
	A61K0031417800,
	A61K0009480000
(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	:NA
Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71) Name of Applicant :

1) Centurion University of Technology & Management (CUTM)

Address of Applicant :At-Alluri Nagar Village, PO-R. Sitapur, Via-Uppalada, Paralakhemundi-761211, Gajapati District, Odisha, India

(72) Name of Inventor :

1) Preetha Bhadra

(57) Abstract :

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

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 201931032616 A

(19) INDIA

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

(43) Publication Date 19/06/2020

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

(51) International classification :A61K0036800000,
A61K0041000000,
A61K0009480000,
A61K0036680000,
A61K0031416400

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

(71)Name of Applicant :

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

(72)Name of Inventor :

1) Preetha Bhadra

(57) Abstract :

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

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 201931041144 A

(19) INDIA

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

(43) Publication Date : 19/06/2020

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

(51) International classification	:A47J0019020000, A23N0001000000, A23L0002040000, F24S0060300000, C13B0020160000	(71)Name of Applicant : 1) CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT (CUTM) Address of Applicant : At-Alluri Nagar Village, PO-R Sitapur, Via-Uppalada, Paralakhemundi- 761211, Gajapati Dist. Odisha, India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1) Nimay Chandra Giri
(33) Name of priority country	:NA	2) Bishnu Prasad Mishra
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

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

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 201931045677 A

(19) INDIA

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

(43) Publication Date : 19/06/2020

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

(51) International classification : G06F0011070000,
H02M0001320000,
B41J0003407000,
G01R0031360000,
A42B0003040000

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

(71) Name of Applicant :

1) Centurion University of Technology & Management (CUTM)

Address of Applicant : At-Alluri Nagar Village, PO-R. Sitapur, Via-Uppalada, Paralakhemundi- 761211, Gajapati District, Odisha, India.

(72) Name of Inventor :

1) Suman Kumar Sudhanshu

(57) Abstract :

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

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 201931049814 A

(19) INDIA

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

(43) Publication Date 19/06/2020

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

(51) International classification :A23L0005200000,
A23P0030200000,
G01N0033558000,
A23K0050400000,
B01J0020220000

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

(71) Name of Applicant :

1) Centurion University of Technology and Management (CUTM)

Address of Applicant :Alluri Nagar Village, PO-R Sitapur, Via-Uppalada, Paralakhemundi-761211, Gajapati Dist, Odisha, India

(72) Name of Inventor :

1) Preetha Bhadra

(57) Abstract :

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

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 201931051679 A

(19) INDIA

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

(43) Publication Date : 19/06/2020

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

(51) International classification : C12M0001107000, A47K0011030000, C02F0003280000, C12M0001000000, G06Q0010060000

(31) Priority Document No. : NA

(32) Priority Date : NA

(33) Name of priority country : NA

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

(87) International Publication No. : NA

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

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

(71) Name of Applicant :

1) Centurion University of Technology and Management (CUTM)

Address of Applicant : Alluri Nagar, PO-R.Sitapur, Via-Uppalada, Parlakhemundi-761211, Gajapathi Dist, Odisha, India

(72) Name of Inventor :

1) Pritam Das

2) Jyoti Lal Lodhi

3) N.Laxmidhar Reddy

(57) Abstract :

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

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 201931054080 A

(19) INDIA

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

(43) Publication Date : 19/06/2020

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

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

(71) Name of Applicant :

1) Preetha Bhadra

Address of Applicant : D/o Tapash Bhadra Babupara, Sir Ashutosh Sarani PO, Dist-Alipurduar, West Bengal-736121 India

2) CENTURION UNIVERSITY OF TECHNOLOGY & MANAGEMENT (CUTM)

(72) Name of Inventor :

1) Preetha Bhadra

2) Atanu Deb

(57) Abstract :

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

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



Extracts from the Register of Copyrights



Dated : 14/08/2020

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

Diary Number : **8504/2020-CO/L**

Date of Application : **25/06/2020**

Date : **25/06/2020**



DEPUTY REGISTRAR OF COPYRIGHTS



Extracts from the Register of Copyrights



Dated : 15/09/2020

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

Diary Number : **8505/2020-CO/L**

Date of Application : 25/06/2020

Date of Registration : 25/06/2020



DEPUTY REGISTRAR OF COPYRIGHTS



Extracts from the Register of Copyrights



Dated : 15/09/2020

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



8509/2020-CO/L

25/06/2020

Date of registration : 25/06/2020

DEPUTY REGISTRAR OF COPYRIGHTS



Extracts from the Register of Copyrights



Dated : 11/09/2020

1. Registration Number : **L-94585/2020**
2. Name, address and nationality of the applicant : **CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT-CUTM , AT. ALLURI NAGAR, VIA. R.SITAPUR, POST. PARLAKHEMUNDI, DIST. GAJAPATI, ODISHA, INDIA-761211-761211 INDIAN**
3. Nature of the applicant's interest in the copyright of the work : **OWNER**
4. Class and description of the work : **LITERARY/ DRAMATIC WORK**
5. Title of the work : **MONEY INSTANT TRANSACTION (MINT)**
6. Language of the work : **ENGLISH**
7. Name, address and nationality of the author and if the author is deceased, date of his decease : **DR.NAGESH KOLAGANI , FACULTY, DEPT OF CSE, CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT-CUTM AT. ALLURI NAGAR, VIA. R.SITAPUR, POST. PARLAKHEMUNDI, DIST. GAJAPATI, ODISHA, INDIA-761211-761211 INDIAN**
MS.SUNITA PANDA , PROJECT MANAGER, DEPT OF CSE, CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT-CUTM AT. ALLURI NAGAR, VIA. R.SITAPUR, POST. PARLAKHEMUNDI, DIST. GAJAPATI, ODISHA, INDIA-761211-761211 INDIAN
8. Whether the work is published or unpublished : **UNPUBLISHED**
9. Year and country of first publication and name, address and nationality of the publisher : **N.A.**
10. Years and countries of subsequent publications, if any, and names, addresses and nationalities of the publishers : **N.A.**
11. Names, addresses and nationalities of the owners of various rights comprising the copyright in the work and the extent of rights held by each, together with particulars of assignments and licences, if any : **CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT-CUTM , AT. ALLURI NAGAR, VIA. R.SITAPUR, POST. PARLAKHEMUNDI, DIST. GAJAPATI, ODISHA, INDIA-761211-761211 INDIAN**
12. Names, addresses and nationalities of other persons, if any, authorised to assign or licence of rights comprising the copyright : **N.A.**
13. If the work is an 'Artistic work', the location of the original work, including name, address and nationality of the person in possession of the work. (In the case of an architectural work, the year of completion of the work should also be shown). : **N.A.**
14. If the work is an 'Artistic work' which is used or capable of being used in relation to any goods or services, the application should include a certification from the Registrar of Trade Marks in terms of the provision to Sub-Section (i) of Section 45 of the Copyright Act, 1957. : **N.A.**
15. If the work is an 'Artistic work', whether it is registered under the Designs Act 2000 if yes give details. : **N.A.**
16. If the work is an 'Artistic work', capable of being registered as a design under the Designs Act 2000, whether it has been applied to an industrial process and ,if yes ,the number of times : **N.A.**
17. : **N.A.**

8511/2020-CO/L

Date of Receipt : 25/06/2020

Date of Receipt : 25/06/2020

DEPUTY REGISTRAR OF COPYRIGHTS





Extracts from the Register of Copyrights



Dated : 14/08/2020

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



DEPUTY REGISTRAR OF COPYRIGHTS

Diary Number : **8513/2020-CO/L**

Date of Application : 25/06/2020

Date of Receipt : 25/06/2020



Extracts from the Register of Copyrights



Dated : 19/08/2020

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



8574/2020-CO/L

26/06/2020

Date of registration : 26/06/2020

DEPUTY REGISTRAR OF COPYRIGHTS



Extracts from the Register of Copyrights



Dated : 04/01/2021

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



8512/2020-CO/L

25/06/2020

Date of registration

25/06/2020

DEPUTY REGISTRAR OF COPYRIGHTS



**INTELLECTUAL
PROPERTY INDIA**

PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS



सत्यमेव जयते

भारत सरकार
GOVERNMENT OF INDIA

पेटेंट कार्यालय
THE PATENT OFFICE

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

45

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.