

Dated : 19/09/2019

1. Registration Number : **SW-12848/2019**
2. Name, address and nationality of the applicant : DR. SANJEEV KARMAKAR, DR. SHREERUP GOSWAMI , APPLICANT-1 DEPARTMENT OF COMPUTER APPLICATIONS BHILAI INSTITUTE OF TECHNOLOGY, BHILAI HOUSE, DURG-491001 CHHATTISGARH APPLICANT-2 DEPEARTMENT OF EARTH SCIENCES SAMBALPUR UNIVERSITY, JYOTI VIHAR, BURLA-768019 SAMBALPUR, ODISHA-INDIAN
3. Nature of the applicant's interest in the copyright of the work : OWNER
4. Class and description of the work : COMPUTER SOFTWARE WORK
5. Title of the work : INNOVATIVE TRAINING ALGORITHM OF BACK-PROPAGATION NEURAL NETWORK UP TO GLOBAL MINIMA FOR N-PARAMETRIC FORECAST AND ITS SOFTWARE IMPLEMENTATION THROUGH JAVA
6. Language of the work : JAVA PROGRAMMING LANGUAGE
7. Name, address and nationality of the author and if the author is deceased, date of his decease : DR. SANJEEV KARMAKAR, DR. SHREERUP GOSWAMI , AUTHOR-1 DEPARTMENT OF COMPUTER APPLICATIONS BHILAI INSTITUTE OF TECHNOLOGY, BHILAI HOUSE, DURG-491001 CHHATTISGARH AUTHOR-2 DEPEARTMENT OF EARTH SCIENCES SAMBALPUR UNIVERSITY, JYOTI VIHAR, BURLA-7680-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 Whether the work is published or unpublished : UNPUBLISHED.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 : DR. SANJEEV KARMAKAR, DR. SHREERUP GOSWAMI , APPLICANT-1 DEPARTMENT OF COMPUTER APPLICATIONS BHILAI INSTITUTE OF TECHNOLOGY, BHILAI HOUSE, DURG-491001 CHHATTISGARH APPLICANT-2 DEPEARTMENT OF EARTH SCIENCES SAMBALPUR UNIVERSITY, JYOTI VIHAR, BURLA-768019 SAMBALPUR, ODISHA-INDIAN
12. Names, addresses and nationalities of other persons, if any, authorised to assign or licence of rights comprising the copyright : DR. SANJEEV KARMAKAR, DR. SHREERUP GOSWAMI , APPLICANT-1 DEPARTMENT OF COMPUTER APPLICATIONS BHILAI INSTITUTE OF TECHNOLOGY, BHILAI HOUSE, DURG-491001 CHHATTISGARH APPLICANT-2 DEPEARTMENT OF EARTH SCIENCES SAMBALPUR UNIVERSITY, JYOTI VIHAR, BURLA-768019 SAMBALPUR, ODISHA-INDIAN
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 :

Dated : 25/09/2019

- | | |
|---|--|
| 1. Registration Number | : SW-12864/2019 |
| 2. Name, address and nationality of the applicant | : DR. SANJEEV KARMAKAR, DR. SHREERUP GOSWAMI , APPLICANT-1
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APPLICANT-2 DEPEARTMENT OF EARTH SCIENCES SAMBALPUR
UNIVERSITY, JYOTI VIHAR, BURLA-768019 SAMBALPUR, ODISHA-
INDIAN |
| 3. Nature of the applicant's interest in the copyright of the work | : OWNER |
| 4. Class and description of the work | : COMPUTER SOFTWARE WORK |
| 5. Title of the work | : INNOVATIVE ALGORITHMS TO OBTAIN OPTIMUM BACK-
PROPAGATION NEURAL NETWORK (OBPN) FOR CHAOS PREDICTION
AND ITS SOFTWARE IMPLEMENTATION BY USING JAVA |
| 6. Language of the work | : JAVA PROGRAMMING LANGUAGE |
| 7. Name, address and nationality of the author and if the author
is deceased, date of his decease | : DR. SANJEEV KARMAKAR, DR. SHREERUP GOSWAMI , AUTHOR-1
DEPARTMENT OF COMPUTER APPLICATIONS BHILAI INSTITUTE OF
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AUTHOR-2 DEPARTMENT OF EARTH SCIENCES SAMBALPUR
UNIVERSITY, JYOTI VIHAR, BURLA-7680-
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 | : DR. SANJEEV KARMAKAR, DR. SHREERUP GOSWAMI , APPLICANT-1
DEPARTMENT OF COMPUTER APPLICATIONS BHILAI INSTITUTE OF
TECHNOLOGY, BHILAI HOUSE, DURG-491001 CHHATTISGARH
APPLICANT-2 DEPEARTMENT OF EARTH SCIENCES SAMBALPUR
UNIVERSITY, JYOTI VIHAR, BURLA-768019 SAMBALPUR, ODISHA-
INDIAN |
| 12. Names, addresses and nationalities of other persons, if any,
authorised to assign or licence of rights comprising the
copyright | : DR. SANJEEV KARMAKAR, DR. SHREERUP GOSWAMI , APPLICANT-1
DEPARTMENT OF COMPUTER APPLICATIONS BHILAI INSTITUTE OF
TECHNOLOGY, BHILAI HOUSE, DURG-491001 CHHATTISGARH
APPLICANT-2 DEPEARTMENT OF EARTH SCIENCES SAMBALPUR
UNIVERSITY, JYOTI VIHAR, BURLA-768019 SAMBALPUR, ODISHA-
INDIAN |
| 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 : 12069/2019-CO/SW
Date of Application : 31/07/2019
Date of Receipt : 31/07/2019



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THE PATENT OFFICE

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

क्रमांक : 033109546
SL No :



पेटेंट सं. / Patent No. : 328714
आवेदन सं. / Application No. : 201631024455
फाइल करने की तारीख / Date of Filing : 18/07/2016
पेटेंटी / Patentee : 1.DR. NALINI KANTA BARPANDA 2.DR. SANTOS KUMAR
DAS 3.MR. K. VENKATA SRI RAMA ROHIT

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में यथाप्रकटित "INTERNET OF THINGS (IOT) ENABLED SENSOR CALIBRATION SYSTEM" नामक आविष्कार के लिए, पेटेंट अधिनियम, १९७० के उपबंधों के अनुसार आज तारीख 18th day of July 2016 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 "INTERNET OF THINGS (IOT) ENABLED SENSOR CALIBRATION SYSTEM" as disclosed in the above mentioned application for the term of 20 years from the 18th day of July 2016 in accordance with the provisions of the Patents Act, 1970.



अनुदान की तारीख : 31/12/2019
Date of Grant :

OKSupta
पेटेंट नियंत्रक
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, 18th day of July 2018 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 18th day of July 2018 and on the same day in every year thereafter.



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THE PATENT OFFICE

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

क्रमांक : 033113861
SL No :



पेटेंट सं. / Patent No. : 353623
आवेदन सं. / Application No. : 201731036767
फाइल करने की तारीख / Date of Filing : 17/10/2017
पेटेंटी / Patentee : 1.Dr. Pramila K. Misra 2.Dr. Debadutta Das 3.Dr. Bijnyan
Ranjan Das 4.Ms. Swetashree Pattnaik

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में यथाप्रकटित REDUCTION OF VISCOSITY OF CRUDE OIL-WATER EMULSION USING A NATURAL DISPERSANT नामक आविष्कार के लिए, पेटेंट अधिनियम, १९७० के उपबंधों के अनुसार आज तारीख 17th day of October 2017 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 REDUCTION OF VISCOSITY OF CRUDE OIL-WATER EMULSION USING A NATURAL DISPERSANT as disclosed in the above mentioned application for the term of 20 years from the 17th day of October 2017 in accordance with the provisions of the Patents Act,1970.



अनुदान की तारीख : 14/12/2020
Date of Grant :

पेटेंट नियंत्रक
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, 17th day of October 2019 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 17th day of October 2019 and on the same day in every year thereafter.



Australian Government

IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2020102343

The Commissioner of Patents has granted the above patent on 14 October 2020, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

PRABIRA KUMAR SETHY of JYOTI VIHAR, BURLA SAMBALPUR ODISHA 768019 India

Sharad Chandra Rajpoot of Govt Engineering College Jagdalpur Chhatisgarh 494001 India

Santi Kumari Behera of VSS UNIVERSITY OF TECHNOLOGY Sambalpur Odisha 768017 India

Chanki Pandey of Govt Engineering College Jagdalpur Chhatisagrh 494001 India

Title of invention:

n4riceleaf: AN ANDROID/WEB BASED APPLICATION TO ESTIMATE NITROGEN CONCENTRATION IN RICE CROP

Name of inventor(s):

SETHY, PRABIRA KUMAR; Rajpoot, Sharad Chandra; Behera, Santi Kumari and Pandey, Chanki

Term of Patent:

Eight years from 19 September 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.



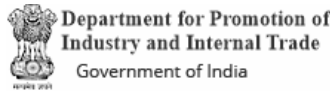
Dated this 14th day of October 2020

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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 2020102343, is current as of 2020-10-29 21:00 AEST



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Diary Number	Class of Work	Title of Work	Applicant Name	Communication Address	Status
3473/2020-CO/SW	Computer Software	Artificial Intelligent Astro-Neuro System Version 1.0 (AI-ANSv1.0)	Dr. Sanjeev Karmakar, Dr. Shreerup Goswami	PATENT AND TRADEMARK ATTORNEYS, F-1/2, OKHLA INDUSTRIAL AREA, PHASE-1, NEW DELHI -110020	Registered

- ***Work Awaited:** Work yet to be received.
- ***Waiting:** Payment Accepted, Application in mandatory waiting period of one month (Copyright Act 1957).
- ***Documents not received, formality check failed:** Documents/works not received only after making payment.
- ***Abandoned:** Reply to Discrepancy letter issued not received/works not received after filing.
- ***Scrutiny:** Application is under process.
- ***Discrepant:** Application is not in complete format a letter will be sent to you by Registered Post.
- ***Re-Scrutiny:** Application is under process again with Reply sent by you.
- ***Pending for Hearing:** Pending for Hearing.
- ***Hearing:** Hearing on Objections.
- ***Sub-Judice:** Pending decision of the competent court of law.
- ***Registered:** ROC is Generated will be sent to you by Registered Post.

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S.No	Title	Inventors	Department	Application No	Date of filling	Publication Date	Indian patent journal Issue
1	Mucoadhesive Gargle Composition And A Method Of Preparation Thereof	Amresh Kumar, Dr. Goutam Ghosh, Dr. Pradeep Kumar Naik, Dr. Goutam Rath	Department of Pharmaceutics, Department of Pharmacognosy, Department of Biotechnology and Bioinformatics,	201931046226	13-11-2019	21-05-2021	21/2021



ଓଡ଼ିଶା ଆନ୍ଧ୍ରପ୍ରଦେଶ

To
Siksha 'O' Anusandhan (Deemed To Be University)

Subject: Declaration by Inventor for not claiming IP Rights from Applicant

Dear Sir/Ma'am,

I, Amresh Kumar (herein referred to as deponent), a student of ISF College of Pharmacy, Moga, Punjab, India. Nationality Indian, do hereby solely confirm and declare as under that:

1. I am one of the inventor in Patent RE-DISPERSIBLE MUCOADHESIVE GARGLE COMPOSITION AND A METHOD OF PREPARATION, WHERE Siksha 'O' Anusandhan (Deemed To Be University) is applicant.

2. I will not claim any IP right in future for the aforesaid patent application.

3. All IP Rights will belong to the Applicant i.e.- Siksha 'O' Anusandhan (Deemed To Be University)

4. I assure that I will fully support this patent application where I am inventor till its grant procedure.

I request you to kindly allow me to include my name as inventor in the aforesaid patent application as I am filing this patent along with three inventors of SOA University

Reason for including my name is that they I have contributed a lot in research and development of the FORMULATION for which we are filing for patent.

Deponent

Name
Designation
Qualification
Affiliation

:Amresh Kumar
:Student
:M.Pharm (Pharmaceutics)
:ISF College of Pharmacy,
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:*Amresh*

2. Name
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:Professor and Head
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:*Pradeep*

Witness (es):

1. Name

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Sign

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:Associate Professor
:M. Pharm, Ph. D
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:*Goutam Ghosh*

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:Professor
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:*Goutam Rath*

(Prof. B. B. Pradhan)
Registrar

Siksha 'O' Anusandhan (Deemed To Be University)
Bhubaneswar-751030



Australian Government

IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2020104352

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):

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

Mithun Baswaraj Patil of Assistant Professor, Dept. of CSE, NK Orchid College of Engg Solapur, 87/B62 Om Sai residency 5th floor flat#10 near datta mandir Bhavani Peth, Solapur,Maharashtra- 413002 India

P M Dhureen Karthik of Assistant Professor, Department of Civil Engineering P S N A College of Engineering and Technology , Dindigul , Tamil Nadu - 624622 India

Medepalli David Raju of Associate Professor & Dy HOD, Department of Chemistry, P.B.Siddhardha College of Arts & Science Vijayawada, Andhra Pradesh - 520010 India

Biswajit Satpathy of Professor, Department of Business Administration, Sambalpur University Jyoti Vihar, Burla, Sambalpur, Odisha 768019 India

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

Anirban Das of Professor, Dept. of Computer Science & Engineering, University of Engineering & Management Kolkata, West Bengal- 700160 India

Pradeep Chhawchharia of Professor and OSD Geetanjali Institute of Technical Studies, Udaipur, Rajasthan - 313022 India

Rashmi Mandal(Vijayvergiya) of Scientist-C National Institute of Electronics and Information Technology,Kolkata,West Bengal- 700032 India

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N. Ravi Kumar of Assistant professor, Management Studies KIT-KALAI GNARKARUNANIDHI INSTITUTE OF TECHNOLOGY, Coimbatore, Tamil Nadu- 641402 India

Title of invention:

FUTURE SUMMER TEMPERATURE AVERAGE PREDICTION FROM AIR TEMPERATURE RATE DATA

Name of inventor(s):

Chakrabarti, Tulika; Patil, Mithun Baswaraj; Karthik, P. M. Dhureen; Raju, Medepalli David; Satpathy, Biswajit; Chakrabarti, Prasun; Hati, Ananda Shankar; Das, Anirban; Chhawchharia, Pradeep; Mandal(Vijayvergiya), Rashmi; Mishra, Richa and Ravi Kumar, N.



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

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CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2020104352

Term of Patent:

Eight years from 27 December 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

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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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क्रमांक : 033114169
SL No :



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THE PATENT OFFICE

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

पेटेंट सं. / Patent No. : 355631
आवेदन सं. / Application No. : 494/KOL/2015
फाइल करने की तारीख / Date of Filing : 05/05/2015
पेटेंटी / Patentee : SAMBALPUR UNIVERSITY, ODISHA
आविष्कारक (जहां लागू हो) / Inventor(s) : 1.DR. (MRS.) PRAMILA KUMARI MISRA 2.DR.
DEBADUTTA DAS 3.DR. (MRS.) UMA DASH 4.MR.
JIBARDHAN MEHER

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में यथाप्रकटित "A STABILISED COAL – WATER SLURRY WITH AN ADDITIVE FROM ACACIA AURICULIFORMIS AND A PROCESS THEREFOR" नामक आविष्कार के लिए, पेटेंट अधिनियम, १९७० के उपबंधों के अनुसार आज तारीख 5th day of May 2015 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 "A STABILISED COAL – WATER SLURRY WITH AN ADDITIVE FROM ACACIA AURICULIFORMIS

AND A PROCESS THEREFOR" as disclosed in the above mentioned application for the term of 20 years from the 5th day of May 2015 in accordance with the provisions of the Patents Act,1970.



अनुदान की तारीख : 11/01/2021
Date of Grant :

पेटेंट नियंत्रक
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, 5th day of May 2017 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 5th day of May 2017 and on the same day in every year thereafter.



Australian Government

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CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2020104359

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):

Ramesh Chandra Panda of Dean, Synergy, Institute of Engineering & Technology Dhenkanal Orissa India

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Prathibha B S of Department of Chemistry, BNM Institute of Technology, P.B. number: 7087, BSK II Stage Bengaluru 560070 India

Vikas Dubey of Department of Physics, Bhilai Institute of Technology Raipur Chhattisgarh 493661 India

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Sri Ram Krishna Mishra of Department of Civil Engineering, Bhilai Institute of Technology Raipur Chhattisgarh 493661 India

Title of invention:

MANUFACTURING METHOD OF COST EFFECTIVE WATER FILTER USING INDUSTRIAL FLY ASH WASTE

Name of inventor(s):

Panda, Ramesh Chandra; Prakash, Om; B. S., Prathibha; Dubey, Vikas; Kulshreshtha, Shweta; Swain, Pravat Kumar; Mehta, Kavit S.; Goswami, Shreerup; Aquatar, Md Osim; Kumar, Anil; Chandrakar, Rituraj and Krishna Mishra, Sri Ram

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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क्रमांक : 033115373
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पेटेंट कार्यालय
THE PATENT OFFICE

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

पेटेंट सं. / Patent No. : 363813
आवेदन सं. / Application No. : 202031009943
फाइल करने की तारीख / Date of Filing : 08/03/2020
पेटेंटी / Patentee : 1.Dr. Chandrashree Lenka 2.Dr. Pramila Kumari Misra 3.Dr. Achyut Kumar Biswal 4.4.Mrs. Trupti Pradhan et al.

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में यथाप्रकटित PRE-MIX COMPOSITION OF RAGI BASED CAKE AND THE CAKE THEREOF नामक आविष्कार के लिए, पेटेंट अधिनियम, १९७० के उपबंधों के अनुसार आज तारीख 8th day of March 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 PRE-MIX COMPOSITION OF RAGI BASED CAKE AND THE CAKE THEREOF as disclosed in the above mentioned application for the term of 20 years from the 8th day of March 2020 in accordance with the provisions of the Patents Act, 1970.



अनुदान की तारीख : 31/03/2021
Date of Grant :

पेटेंट नियंत्रक
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, 8th day of March 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 8th day of March 2022 and on the same day in every year thereafter.



Australian Government

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CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021100341

The Commissioner of Patents has granted the above patent on 31 March 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Subodh Panda of Professor, Electronics & Communication Engineering Pragati Engineering College Andhra Pradesh India

Sudarson Jena of Associate Professor, Computer Science & Engineering, SUIT, Sambalpur University Jyoti Vihar, Burla, Odisha 768019 India

PREMANSU SEKHARA RATH of Associate professor, Computer Science & Engineering, GIET UNIVERSITY Gunupur, At – Gobriguda, Po- Kharling Gunupur, Odisha 765022 India

NILAMBAR SETHI of Associate Professor, Computer Science & Engineering, GIET UNIVERSITY Gunupur, At – Gobriguda, Po- Kharling Gunupur, Odisha 765022 India

SANTOSH KUMAR MAJHI of Assistant Professor, Computer Science & Engineering, VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY, BURLA, ODISHA India

MURALI KRISHNA SENAPATY of Assistant Professor, Computer Science & Engineering, GIET UNIVERSITY Gunupur, At – Gobriguda, Po- Kharling Gunupur, Odisha 765022 India

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MUKESH BATHRE of Research Scholar, Information Technology, VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY, BURLA, ODISHA India

SANTOSH SONI of Assistant Professor, Information Technology, GURU GHASIDAS UNIVERSITY BILASPUR, CG India

SANJAY KUMAR GIRI of Asst. Professor, Computer Science & Engineering, RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING Jagannathpur, Khorda, Odisha 752057 India

Title of invention:

Health Related Crisis Ready Plan through Wireless Sensor Network and the Cloud Computing at Populated Spots

Name of inventor(s):

Panda, Subodh; Jena, Sudarson; RATH, PREMANSU SEKHARA; SETHI, NILAMBAR; MAJHI, SANTOSH KUMAR; SENAPATY, MURALI KRISHNA; Bagjadab, Amiya Bhusan; BATHRE, MUKESH; SONI, SANTOSH and GIRI, SANJAY KUMAR

Term of Patent:

Eight years from 19 January 2021



Dated this 31st day of March 2021

Commissioner of Patents

PATENTS ACT 1990

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Australian Government

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CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021100341

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 31st 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: 2021100716

The Commissioner of Patents has granted the above patent on 7 April 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Sanjeev Karmakar of Department of Computer Applications, Bhilai Institute of Technology Bhilai House , Durg Chhattisgarh 491001 India

Shreerup Goswami of Department of Earth Sciences, Sambalpur University, Jyoti Vihar Burla Sambalpur, Odisha 768019 India

Bhilai Institute of Technology of Bhilai House, Durg Chhattisgarh 491001 India

Sambalpur University of Jyoti Vihar, Burla Sambalpur Odisha 768019 India

Title of invention:

ASTRO-NEURO-METEROLOGICAL SYSTEM FOR LONG RANGE WEATHER FORECASTING AND METHOD THEREOF

Name of inventor(s):

Karmakar, Sanjeev and Goswami, Shreerup

Term of Patent:

Eight years from 4 February 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 7th day of April 2021

Commissioner of Patents

PATENTS ACT 1990

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