

KUVEMPU  **UNIVERSITY**

Govt. of Karnataka, State Public University

Jnanasahyadri Campus, Shankaraghatta-577451, Shivamogga District, Karnataka

Supporting Documents pertaining to the following Metric:

3.4.2: Total number of Patents awarded during the last five years.

Patents granted / published in the name of the faculty with the institutional affiliation to the university working during the assessment period only to be given.

E-copies of letter of patent grant

3.4.2 Number of Patents awarded during the last five years			
3.4.2.1: Total number of Patents awarded year-wise during the last five years			
Name of the Faculty/student author of the patent	Patent Number	Date of Award	Patenet Awarding Agency
2023-2024			
Dr. B.Thippeswamy, Professor, Dept. of Microbiology, Kuvempu University	531857	18-04-2023	Intellectual Property India The Patent Office Government of India
Dr. H.C. Shrishail, Assistant Professor, Dept. of Applied Botany, Kuvempu University	391444001	28-07-20203	Intellectual Property India The Patent Office Government of India
Dr. B.E. Kumara Swamy, Professor, Dept. of Industrial Chemistry, Kuvempu University	202341060805	Published Date: 06-10-2023	The Patent Office Government of India
Name of the Faculty/student author of the patent	Patent Number	Date of Award	Patenet Awarding Agency
2022-2023			
Dr. B.E. Kumara Swamy, Professor, Dept. of Industrial Chemistry, Kuvempu University	202241058835 A	Published Date: 21-10-2022	The Patent Office Government of India
Dr. Yogish Naik G. R., Professor, Department of MCA and Computer Science, Kuvempu University	202341025353	Applied Date: 03-04-2023	The Patent Office Government of India
Name of the Faculty/student author of the patent	Patent Number	Date of Award	Patenet Awarding Agency
2021-2022			
Dr. Suresha M, Associate Professor, Department of MCA and Computer Science, Kuvempu University	202141022914 A	Published Date: 11- 06-2021	The Patent Office Government of India
Name of the Faculty/student author of the patent	Patent Number	Date of Award	Patenet Awarding Agency
2020-2021			

Dr. Arthoba Nayaka, Professor, Dept. of Chemistry, Kuvempu University	346059	04-09-2020	The Patent Office Government of India
Name of the Faculty/student author of the patent	Patent Number	Date of Award	Patenet Awarding Agency
2019-2020			



**INTELLECTUAL
PROPERTY INDIA**

PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS



सत्यमेव जयते

क्रमांक : 044122541
SL No :



भारत सरकार
GOVERNMENT OF INDIA

पेटेंट कार्यालय
THE PATENT OFFICE

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

पेटेंट सं. / Patent No. : 346059
आवेदन सं. / Application No. : 3512/CHE/2012
फाइल करने की तारीख / Date of Filing : 27/08/2012
पेटेंटी / Patentee : REGISTRAR

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में यथाप्रकटित ABSOLUTE GRAPHITE ELECTRODE SYSTEM FOR VOLTAMMETRIC STUDIES AND THEREOF नामक आविष्कार के लिए, पेटेंट अधिनियम, १९७० के उपबंधों के अनुसार आज तारीख 27th day of August 2012 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 ABSOLUTE GRAPHITE ELECTRODE SYSTEM FOR VOLTAMMETRIC STUDIES AND THEREOF as disclosed in the above mentioned application for the term of 20 years from the 27th day of August 2012 in accordance with the provisions of the Patents Act, 1970.



अनुदान की तारीख : 04/09/2020
Date of Grant :

पेटेंट नियंत्रक
Controller of Patent

OkSupta

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, 27th day of August 2014 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 27th day of August 2014 and on the same day in every year thereafter.



**INTELLECTUAL
PROPERTY INDIA**

एकस्व/PATENTS|अभिकल्प/DESIGNS|
व्यापार चिह्न/TRADE MARKS|भौगोलिक
उपदर्शन/GEOGRAPHICAL INDICATIONS



सत्यमेव जयते

**भारत सरकार
GOVERNMENT OF INDIA**

एकस्व कार्यालय / THE PATENT OFFICE
बौद्धिक सम्पदा भवन / I.P.O. BUILDING
जी.एस.टी.रोड, गिंडी / G.S.T.Road, Guindy,
चेन्नई / Chennai- 600032
दूरभाष / Tel. No. : (091)(044)22502081-84
फैक्स / Fax: 044 22502066

Email/ई मेल : Chennai-patent@nic.in
वेबसाइट / Website: <http://ipindia.nic.in>

सं. \ No. 3512/CHE/2012

दिनांक \ Dated the 04/09/2020

सेवा मे, \ To :

Address of Service:- DR. Y. ARTHOBA NAYAKA, DEPARTMENT OF CHEMISTRY, KUVEMPU UNIVERSITY SHANKARAGHATTA,
SHIMOGA, KARNATAKA - 577 451.

Email Id:- drarthoba@yahoo.co.in

विषय :- पेटेंट आवेदन संख्या 3512/CHE/2012 के संबंध में अधिनियम की धारा 43 के तहत पेटेंट अनुदान तथा पेटेंट रजिस्टर में प्रविष्टि की सूचना

Sub :- Intimation of the grant and recordal of patent under section 43 of the Act in respect of patent application no. 3512/CHE/2012

महोदय/महोदया,

Sir/Madam,

आपको सूचित किया जाता है कि पेटेंट अधिनियम, 1970 की धारा 12 व 13 तथा उस आधार पर बने नियम के तहत उपर्युक्त पेटेंट आवेदन के परीक्षण [व ----- को हुई सुनवाई] के उपरांत एतद्वारा पेटेंट अनुदान किया जाता है। तथा पेटेंट अनुदान की प्रविष्टि 04/09/2020 को पेटेंट रजिस्टर में कर दी गयी है।

This is to Inform you that following the examination of above mentioned patent application under section 12 and 13 of The Patents Act, 1970 and Rules made thereunder [and hearing held on -----] a patent is hereby granted and recorded in the Register of Patents on the 04/09/2020. The Patent Certificate is enclosed herewith.

पेटेंट संख्या \ Patent No	: 346059
आवेदक का नाम \ Name Of Applicant	: REGISTRAR
पेटेंट दिनांक \ Date of Patent	: 27/08/2012
पूर्विका तिथि \ Priority Date	: 27/08/2012
परीक्षण हेतु अनुरोध दाखिल करने की तिथि \ Filing date of Request for examination	: 17/09/2012
शीर्षक \ Title	: ABSOLUTE GRAPHITE ELECTRODE SYSTEM FOR VOLTAMMETRIC STUDIES AND THEREOF
दावों की संख्या \ Number of claims	: 1-9

उपर्युक्त पेटेंट के अनुदान का प्रकाशन अधिनियम की धारा 43 के तहत पेटेंट कार्यालय के आधिकारिक जर्नल में किया जाएगा।

The grant of above mentioned patent will be published in the Official Journal of the patent Office under section 43 of the Act.

पेटेंट अधिनियम 1970 यथा संशोधित पेटेंट (संशोधन) नियम, 2005/ पेटेंट नियम, 2003 यथा संशोधित पेटेंट (संशोधन) नियम, 2016 की धारा 142 की उप-धारा (4) के प्रावधानों के तहत उपरोक्त प्रविष्टि की तिथि से 3 माह के भीतर इस कार्यालय में नवीकरण शुल्क जमा किया जाना चाहिए।

The payment of renewal fee is required to be made at this office within three(3) months from the aforesaid date of recording according to the proviso in sub-section(4) of Section 142 of The Patents Act,1970, as amended by The Patents (Amendment) Act, 2005 / The Patents Rules, 2003 as amended by The Patents (Amendment) Rules, 2016.

Raman Kumar

(नियंत्रक पेटेंट)

Controller of Patents

टिप्पणी / Note :

1. संशोधित नवीकरण शुल्क हेतु कृपया महानियंत्रक पेटेंट, अभिकल्प एवं व्यापार चिह्न की आधिकारिक वेबसाइट www.ipindia.gov.in पर उपलब्ध पेटेंट (संशोधन) नियम 2016 की प्रथम अनुसूची (शुल्क) देखें।

For revised renewal fees kindly refer to the First Schedule (fees) of The Patents (Amendment) Rules 2016 available on the official website of Controller General of Patents, Designs and Trade Marks www.ipindia.gov.in

2. कार्यालय द्वारा पेटेंट प्रमाणपत्र की कोई भी कागजी प्रति अलग से जारी नहीं की जाएगी।

No hard copy of Patent Certificate shall be issued separately by the office.

पेटेंट कार्यालय
का
शासकीय जर्नल

**OFFICIAL JOURNAL
OF
THE PATENT OFFICE**

निर्गमन सं. 40/2012
ISSUE NO. 40/2012

शुक्रवार
FRIDAY

दिनांक: 05/10/2012
DATE: 05/10/2012

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

(12) PATENT APPLICATION PUBLICATION (21) Application No.3512/CHE/2012 A
 (19) INDIA
 (22) Date of filing of Application :27/08/2012 (43) Publication Date : 05/10/2012

(54) Title of the invention : ABSOLUTE GRAPHITE ELECTRODE SYSTEM FOR VOLTAMMETRIC STUDIES AND THEREOF

(51) International classification	:G01N27/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)REGISTRAR
(32) Priority Date	:NA	Address of Applicant :KUVEMPU UNIVERSITY,
(33) Name of priority country	:NA	SHANKARAGHATTA, SHIMOGA 577 451 Karnataka India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)DR. Y. ARTHOBA NAYAKA
(87) International Publication No	: NA	2)DR. S. BASAVANNA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

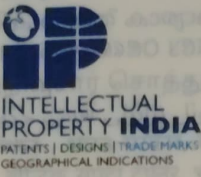
(57) Abstract :

The present invention discloses an Absolute Combined Three Electrode System, which involves the electrochemical investigations using an Absolute Graphite Electrode System. The Absolute Graphite Electrode System consists of three cylindrical graphite rods; the central electrode is used as reference and other two electrodes present on either side are used as working and auxiliary electrodes. According to the invention, the proposed Absolute Graphite Electrode System can be used for the voltammetric determination of metal ions and electroactive organic compounds. Reproducibility of the combined electrode system can be achieved by regenerating the electrode surface either by polishing or electro-cycling.

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



Chairman
 Dept. of Chemistry
 Kuvempu University
 Jnanasahyadri,
 Shankaraghatta - 577 451



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

पेटेंट प्रमाण पत्र

Patent Certificate

(पेटेंट नियमावली का नियम 74)

(Rule 74 of The Patents Rules)

पेटेंट सं. / Patent No. : 531857

आवेदन सं. / Application No. : 202341028353

फाइल करने की तारीख / Date of Filing : 18/04/2023

पेटेंटी / Patentee : 1.Prof. B. THIPPESWAMY 2.Mrs. AMITHA GANAPATHY B

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाप्रकरित *NANO-BIO-ZINC (NBZ) FORMULATION FOR AGRICULTURE APPLICATIONS* नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख अप्रैल 2023 के अठारहवें दिन से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

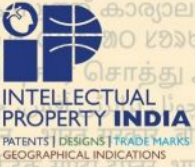
It is hereby certified that a patent has been granted to the patentee for an invention entitled *NANO-BIO-ZINC (NBZ) FORMULATION FOR AGRICULTURE APPLICATIONS* as disclosed in the above mentioned application for the term of 20 years from the 18th day of April 2023 in accordance with the provisions of the Patents Act, 1970.



[Signature]
 उपायुक्त की राईस
 पेटेंट नियंत्रक
 Controller of Patents

अनुदान की तारीख : 05/04/2024
 Date of Grant :

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, अप्रैल 2025 के अठारहवें दिन 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 April 2025 and on the same day in every year thereafter.



ORIGINAL

क्रम सं/ Serial No. : 145633



पेटेंट कार्यालय, भारत सरकार | The Patent Office, Government Of India

डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No. : 391444-001

तारीख / Date : 28/07/2023

पारस्परिकता तारीख / Reciprocity Date* :
देश / Country : भारत

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो NANOTECHNOLOGY BASED ANTIMICROBIAL BANDAGE DISPENSING DEVICE से संबंधित है, का पंजीकरण, श्रेणी 24-04 में 1.Dr. Kumaraswamy J 2. Dr. V. Sivakumar 3.Dr. P. Shivakumar Singh 4.Dr. H.C.Shrishail 5.Dr. A. Venkatesh 6.Dr. C. Joel 7.Dr. Meenambiga Setti Sudharsan 8.Dr. S. Premnath 9.Dr. S. Padmanabhan 10.Dr. S. Baskar के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 24-04 in respect of the application of such design to NANOTECHNOLOGY BASED ANTIMICROBIAL BANDAGE DISPENSING DEVICE in the name of 1.Dr. Kumaraswamy J 2. Dr. V. Sivakumar 3.Dr. P. Shivakumar Singh 4.Dr. H.C.Shrishail 5.Dr. A. Venkatesh 6.Dr. C. Joel 7.Dr. Meenambiga Setti Sudharsan 8.Dr. S. Premnath 9.Dr. S. Padmanabhan 10.Dr. S. Baskar.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अधधीन प्रावधानों के अनुसरण में। In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि : 12/10/2023
Date of Issue



Handwritten signature

महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न
Controller General of Patents, Designs and Trade Marks

*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।
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.

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241058835 A

(19) INDIA

(22) Date of filing of Application :14/10/2022

(43) Publication Date : 21/10/2022

(54) Title of the invention : A method of Natural New Binder for Carbon Paste Electrode for Voltammetry

(51) International classification :G01N0027300000, G01N0027480000, G01N0027327000, H01L0029861000, A61B0090000000

(86) International Application No :PCT//
Filing Date :01/01/1900

(87) International Publication No : NA

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

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

(71)Name of Applicant :

1)Dr. B.E. Kumara Swamy

Address of Applicant :Dept of Industrial Chemsitry, Jnana Sahyadri, Kuvempu University, Shankaraghatta, Shivamogga-577451, Karnataka, India Shimoga -----

2)Dr. Mohan Kumar

3)Dr. Sathish Reddy

4)Kuvempu University

5)PES Institute of Technology and Management

6)REVA University

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr. B.E. Kumara Swamy

Address of Applicant :Dept of Industrial Chemsitry, Jnana Sahyadri, Kuvempu University, Shankaraghatta, Shivamogga-577451, Karnataka, India Shimoga -----

2)Dr. Mohan Kumar

Address of Applicant :Department of Chemistry, PES Institute of Technology and Management, NH-206, Sagar Road, Guddada Arakere, Kotegangoor, Shivamogga-577204, Karnataka, India Shimoga -----

3)Dr. Sathish Reddy

Address of Applicant :Department of Chemistry, REVA University, Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru- 560064, Karnataka, India Bangalore -----

(57) Abstract :

7. Abstract In the existing invention, coconut oil is used as a binder for the preparation of carbon paste and as an electrode for the cyclic voltammetric method studies of dopamine determination, examining the electrochemical behaviour of prepared carbon paste electrodes with different scan rates and variation of the concentration of dopamine and different pH. Moreover, the electrochemical responses of the electrode towards potassium ferrocyanide, ascorbic acid, and uric acid were also tested.

No. of Pages : 21 No. of Claims : 3



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



Application Details

APPLICATION NUMBER	202341060805
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	11/09/2023
APPLICANT NAME	1 . Abhishek K J 2 . Dr. Sathish Reddy 3 . Dr. Veeraghavan 4 . Dr. Lakshmi B 5 . Dr. B.E. Kumara Swamy 6 . Dr. Mohan Kumar 7 . REVA University 8 . Kuvempu University 9 . PES Institute of Technology and Management
TITLE OF INVENTION	SIMULTANEOUS DETECTION OF CHLORAMPHENICOL AND FURAZOLIDONE ANTIBIOTICS USING SINGLE-WALLED CARBON NANOTUBE-BASED CARBON PASTE ELECTRODE
FIELD OF INVENTION	PHYSICS
E-MAIL (As Per Record)	sathish.reddy@reva.edu.in
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	06/10/2023



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

Application Details

APPLICATION NUMBER	202341025353
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	03/04/2023
APPLICANT NAME	1 . MOUNESHACHARI S 2 . Dr. Venkatesh 3 . <u>Dr. Yogish Naik G R</u> 4 . Poornima G J 5 . Annappa K E 6 . Bharathi N 7 . Dr. Usha M S 8 . Dr. Gururaj K S 9 . Dr. Ashoka K 10 . Dr.Swarnalatha K 11 . Mrs. Shwetha B S
TITLE OF INVENTION	Cost effective Sewerage Blocking Monitoring using Image processing and Internet of Things
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	drmounesh.cs@gmail.com
ADDITIONAL-EMAIL (As Per Record)	

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202141022914 A

(19) INDIA

(22) Date of filing of Application :22/05/2021

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(54) Title of the invention : SYSTEM AND METHOD FOR CROP AND FERTILIZER RECOMMENDATION THROUGH SOIL NUTRIENT MONITORING USING CYBER PHYSICAL SYSTEM AND MACHINE LEARNING

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(57) Abstract :

The present invention relates to system and Method for crop and fertilizer recommendation through soil nutrient monitoring using cyber physical system and machine learning. The objective of the present invention is to solve the problems in the prior art technologies of crop and fertilizer recommendation based on soil nutrient, soil type and agriculture field location.

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