



AISSMS

COLLEGE OF ENGINEERING

ज्ञानम् सकलजनहिताय

Accredited by NAAC with "A+" Grade | NBA - 6 UG Programmes



Key Indicator – 3.2: Innovation Eco System

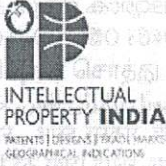
3.2.1: Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident

Sr. No.	Academic Year	Number of Patent Granted/Published
1	2022-23	13
2	2021-22	16
3	2020-21	5
4	2019-20	3
5	2018-19	2
Total		39



College Seal

Principal



Extracts from the Register of Copyrights



कॉपीराइट कार्यालय, भारत सरकार | Copyright Office, Government Of India

तिथि/Dated:22/06/2023

- | | |
|--|--|
| 1. पंजीकरण संख्या/Registration Number | : L-127017/2023 |
| 2. आवेदक का नाम, पता तथा राष्ट्रीयता
Name, address and nationality of the applicant | : PRASHANT VASANTRAO DESHMUKH , RH-18, JP HOMES,
MANJARI, PUNE, MAHARASHTRA, INDIA-412307
INDIAN |
| 3. कार्य के कॉपीराइट में आवेदक की रुचि की प्रकृति
Nature of the applicant's interest in the copyright of the work | : AUTHOR |
| 4. कार्य का वर्ग और विवरण
Class and description of the work | : LITERARY/ DRAMATIC WORK THIS WORK DESCRIBE THE
PROCESS OF IMPLEMENTATION OF OBE IN ENGINEERING
INSTITUTE. IT EXPLAIN HOW TO DEFINE VISION AND
MISSION, PEO, PSO AND CO. IT ALSO EXPLAIN HOW TO
EVALUATE THESE PARAMETERS IN OBE. |
| 5. कार्य का शीर्षक
Title of the work | : PROCESS MANUAL FOR IMPLEMENTATION OF OUTCOME
BASED EDUCATION IN ENGINEERING INSTITUTES |
| 6. कार्य की भाषा
Language of the work | : ENGLISH |
| 7. लेखक का नाम, पता और राष्ट्रीयता तथा यदि लेखक की मृत्यु हो गई है, तो
मृत्यु की तिथि
Name, address and nationality of the author and if the author is
deceased, date of his decease | : PRASHANT VASANTRAO DESHMUKH , RH-18, JP HOMES,
MANJARI, PUNE, MAHARASHTRA, INDIA-412307
INDIAN |
| 8. कार्य प्रकाशित है या अप्रकाशित
Whether the work is published or unpublished | : UNPUBLISHED |
| 9. प्रथम प्रकाशन का वर्ष और देश तथा प्रकाशक का नाम, पता और राष्ट्रीयता
Year and country of first publication and name, address and
nationality of the publisher | : N.A. |
| 10. बाद के प्रकाशनों के वर्ष और देश, यदि कोई हों, और प्रकाशकों के नाम, पते
और राष्ट्रीयताएं
Years and countries of subsequent publications, if any, and names,
addresses and nationalities of the publishers | : N.A. |
| 11. कार्य में कॉपीराइट सहित विभिन्न अधिकारों के मालिकों के नाम, पते और
राष्ट्रीयताएं और असाइनमेंट और लाइसेंस के विवरण के साथ प्रत्येक के
अधिकार की सीमा, यदि कोई हो
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 | : PRASHANT VASANTRAO DESHMUKH , RH-18, JP HOMES,
MANJARI, PUNE, MAHARASHTRA, INDIA-412307
INDIAN |
| 12. अन्य व्यक्तियों के नाम, पते और राष्ट्रीयताएं, यदि कोई हों, जो कॉपीराइट वाले
अधिकारों को सौंपने या लाइसेंस देने के लिए अधिकृत हों
Names, addresses and nationalities of other persons, if any,
authorised to assign or licence of rights comprising the copyright | : PRASHANT VASANTRAO DESHMUKH , RH-18, JP HOMES,
MANJARI, PUNE, MAHARASHTRA, INDIA-412307
INDIAN |
| 13. यदि कार्य एक 'कलात्मक कार्य' है, तो कार्य करने वाले व्यक्ति का नाम, पता
और राष्ट्रीयता सहित मूल कार्य का स्थान। (एक वास्तुशिल्प कार्य के मामले में
कार्य पूरा होने का वर्ष भी दिखाया जाना चाहिए)
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. यदि कार्य एक 'कलात्मक कार्य' है जो किसी भी सामान या सेवाओं के संबंध
में उपयोग किया जाता है या उपयोग करने में सक्षम है, तो आवेदन में
कॉपीराइट अधिनियम, 1957 की धारा 45 की उप-धारा (पू) के प्रावधान के
अनुसार व्यापार चिह्न पंजीयक से प्रमाणन शामिल होना चाहिए।
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. यदि कार्य एक 'कलात्मक कार्य' है, तो क्या यह डिजाइन अधिनियम 2000 के
अंतर्गत पंजीकृत है? यदि हां, तो विवरण दें
If the work is an 'Artistic work', whether it is registered under the
Designs Act 2000 if yes give details. | : N.A. |
| 16. यदि कार्य एक 'कलात्मक कार्य' है, जो डिजाइन अधिनियम 2000 के तहत
एक डिजाइन के रूप में पंजीकृत होने में सक्षम है, तो क्या यह औद्योगिक
प्रक्रिया के माध्यम से किसी वस्तु पर प्रयोग में लाया गया है और यदि हां, तो
इसे कितनी बार पुनः प्रस्तुत किया गया है?
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. टिप्पणी, यदि कोई हो/Remarks, if any | |

डायरी संख्या/Diary Number: 5209/2023-CO/L

आवेदन की तिथि/Date of Application: 27/02/2023

प्राप्ति की तिथि/Date of Receipt: 27/02/2023



**Head of Department
Mechanical Engineering
AISSMS, COE, PUNE.**

[Signature]
Registrar of Copyrights



प्रतिलिप्यधिकार कार्यालय, भारत सरकार | Copyright Office, Government Of India

दिनांक/Dated:20/10/2023

1. पंजीकरण संख्या/Registration Number : L-134920/2023
2. आवेदक का नाम, पता तथा राष्ट्रीयता
Name, address and nationality of the applicant : MOHAN LALITKUMAR CHANPUR , SN 2/1/1, FN B502,
NIRMAANPURAM, HAGAWNE NAGAR, KONDHWA
BUDRUK, NEAR VIIT INST., PUNE-411048
INDIAN
DR SANDEEP HARIBHAU WANKHADE , 21, SUVIDHA PARK
- 2, NEAR CME REAR GATE, NASHIK ROAD, BHOSARI,
PUNE-411039
INDIAN
3. कृति के प्रतिलिप्यधिकार में आवेदक के हित की प्रकृति
Nature of the applicant's interest in the copyright of the work : OWNER
4. कृति का वर्ग और वर्णन
Class and description of the work : LITERARY/ DRAMATIC WORK IT IS A RESEARCH WORK IN
THE AREA OF CRYOGENIC TREATMENT.
5. कृति का शीर्षक
Title of the work : A STUDY OF TECHNICAL AND ECONOMICAL FEASIBILITY
ON CRYOGENIC TREATED PLUG GAUGE MADE OF OHNS
MATERIAL.
6. कृति की भाषा
Language of the work : ENGLISH
7. रचयिता का नाम, पता और राष्ट्रीयता तथा यदि रचयिता की मृत्यु हो गई है,
तो मृत्यु की तिथि
Name, address and nationality of the author and if the author is
deceased, date of his decease : MOHAN LALITKUMAR CHANPUR , SN 2/1/1, FN B502,
NIRMAANPURAM, HAGAWNE NAGAR, KONDHWA
BUDRUK, NEAR VIIT INST., PUNE-411048
INDIAN
DR SANDEEP HARIBHAU WANKHADE , 21, SUVIDHA PARK
- 2, NEAR CME REAR GATE, NASHIK ROAD, BHOSARI,
PUNE-411039
INDIAN
8. कृति प्रकाशित है या अप्रकाशित
Whether the work is published or unpublished : UNPUBLISHED
9. प्रथम प्रकाशन का वर्ष और देश तथा प्रकाशक का नाम, पता और राष्ट्रीयता
Year and country of first publication and name, address and
nationality of the publisher : N.A.
10. बाद के प्रकाशनों के वर्ष और देश, यदि कोई हों, और प्रकाशकों के नाम, पते
और राष्ट्रीयताएँ
Years and countries of subsequent publications, if any, and names,
addresses and nationalities of the publishers : N.A.
11. कृति में प्रतिलिप्यधिकार सहित विभिन्न अधिकारों के स्वामियों के नाम, पते और
राष्ट्रीयताएँ और समनुदेशन और अनुज्ञापितियों के विवरण के साथ प्रत्येक के
अधिकार का विस्तार, यदि कोई हो।
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 : MOHAN LALITKUMAR CHANPUR , SN 2/1/1, FN B502,
NIRMAANPURAM, HAGAWNE NAGAR, KONDHWA
BUDRUK, NEAR VIIT INST., PUNE-411048
INDIAN
DR SANDEEP HARIBHAU WANKHADE , 21, SUVIDHA PARK
- 2, NEAR CME REAR GATE, NASHIK ROAD, BHOSARI,
PUNE-411039
INDIAN
12. अन्य व्यक्तियों के नाम, पते और राष्ट्रीयताएँ, यदि कोई हों, जो प्रतिलिप्यधिकार
वाले अधिकारों को समनुदेशित करने या अनुज्ञापित देने के लिए अधिकृत हों
Names, addresses and nationalities of other persons, if any,
authorised to assign or licence of rights comprising the copyright : MOHAN LALITKUMAR CHANPUR , SN 2/1/1, FN B502,
NIRMAANPURAM, HAGAWNE NAGAR, KONDHWA
BUDRUK, NEAR VIIT INST., PUNE-411048
INDIAN
DR SANDEEP HARIBHAU WANKHADE , 21, SUVIDHA PARK
- 2, NEAR CME REAR GATE, NASHIK ROAD, BHOSARI,
PUNE-411039
INDIAN
13. यदि कृति एक 'कलात्मक कृति' है, तो कृति पर अधिकार रखने वाले व्यक्ति का
नाम, पता और राष्ट्रीयता सहित मूल कृति का स्थान। (एक वास्तुशिल्प कृति
के मामले में कृति पूरी होने का वर्ष भी दिखाया जाना चाहिए)
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. यदि कृति एक 'कलात्मक कृति' है जो किसी भी माल या सेवाओं के संबंध में
उपयोग की जाती है या उपयोग किए जाने में सक्षम है, तो आवेदन में
प्रतिलिप्यधिकार अधिनियम, 1957 की धारा 45 की उप-धारा (i) के प्रावधान के
अनुसार व्यापार चिह्न रजिस्ट्रार से प्रमाणन शामिल होना चाहिए।
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. यदि कृति एक 'कलात्मक कृति' है, तो क्या यह डिजाइन अधिनियम 2000 के
अंतर्गत पंजीकृत है? यदि हाँ, तो विवरण दें।
If the work is an 'Artistic work', whether it is registered under the
Designs Act 2000, if yes give details. : N.A.
16. यदि कृति एक 'कलात्मक कृति' है, जो डिजाइन अधिनियम 2000 के तहत
एक डिजाइन के रूप में पंजीकृत होने में सक्षम है, तो क्या यह औद्योगिक
प्रक्रिया के माध्यम से किसी वस्तु पर प्रयुक्त की गई है और यदि हाँ, तो
कितनी बार पुनरुत्पादित किया गया है?
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. टिप्पणी, यदि कोई हो/Remarks, if any

आयरी संख्या/Diary Number:

19506/2022-CO/L




Registrar of Copyrights

Head of Department
Mechanical Engineering
AISSMS, COE, PUNE.



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. : 384249-001
तारीख / Date : 19/04/2023
पारस्परिकता तारीख / Reciprocity Date* :
देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो *SOLAR POWER CHARGER* से संबंधित है, का पंजीकरण, श्रेणी 13-02 में 1.Mr. Sumedh Nilkanth Chiwande 2. Mrs. Megha Sumedh Chiwande 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 13-02 in respect of the application of such design to *SOLAR POWER CHARGER* in the name of 1.Mr. Sumedh Nilkanth Chiwande 2. Mrs. Megha Sumedh Chiwande.

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 : 03/07/2023
Date of Issue




महानियंत्रक पेटेंट, डिजाइन और वाणिज्य 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 स्वतंत्रपेन्टर पंजीकरण की तारीख में 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 to be used in legal proceedings or for obtaining registration abroad.


Head of Department
Production Engineering
AISSMS COE, PUNE.

-----Federal Republic of Germany-----

Certificate

on the registration of utility model No. 20 2023 102 594

Designation:

A system for developing a modified rearview mirror assembly

IPC:

B60R 1/02

Owner: Patil Sumant Shesherao, Pune, Maharashtra, IN

Day of registration:

12.05.2023

Date of entry:

10.08.2023

The President of the German Patent and Trademark Office Eva Schewior



Eva Schewior



Munich, August 10, 2023

The requirements for protectability are not checked when registering a utility model. The current legal status and scope of protection can be found in the DPMA register at www.dpma.de.


Head
Department of First Year Engineering
AISSMS College of Engineering
Pune-411001



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. : 384775-001
तारीख / Date : 25/04/2023
पारस्परिकता तारीख / Reciprocity Date* :
देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो *WATER DISTRIBUTION APPARATUS WITH INBUILT FLOW RATE CONTROL MECHANISM* से संबंधित है, का पंजीकरण, श्रेणी 23-01 में 1.Mr. Aryan D. Chawada 2. Ms. Nikita N. Bhosale 3.Mr. Atharv D. Patil 4.Dr. Atulkumar A. Manchalwar 5.Dr. Vidya N Patil 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 23-01 in respect of the application of such design to *WATER DISTRIBUTION APPARATUS WITH INBUILT FLOW RATE CONTROL MECHANISM* in the name of 1.Mr. Aryan D. Chawada 2. Ms. Nikita N. Bhosale 3.Mr. Atharv D. Patil 4.Dr. Atulkumar A. Manchalwar 5.Dr. Vidya N Patil.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन 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 : 21/07/2023
Date of Issue




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.


HEAD OF DEPARTMENT
CIVIL ENGINEERING
AISSMS's COE, PUNE-1.



1. पंजीकरण संख्या/Registration Number	L-130411/2023
2. आवेदक का नाम, पता तथा राष्ट्रीयता Name, address and nationality of the applicant	DR. SHABNAM SAYYAD , 203 MAYFAIR ELEGENT, TADIWALA ROAD, PUNE-411001 INDIAN
3. कार्य के कॉपीराइट में आवेदक की रुचि की प्रकृति Nature of the applicant's interest in the copyright of the work	AUTHOR
4. कार्य का वर्ग और विवरण Class and description of the work	LITERARY/ DRAMATIC WORK THE WORK IS A LITERARY BOOK TITLED INTRODUCTION TO DATA SCIENCE IS AN ORIGINAL CREATION OF THE AUTHOR AND HE IS THE SOLE AND UNENCUMBERED OWNER OF THE SAID WORK
5. कार्य का शीर्षक Title of the work	INTRODUCTION TO DATA SCIENCE
6. कार्य की भाषा Language of the work	ENGLISH
7. लेखक का नाम, पता और राष्ट्रीयता तथा यदि लेखक की मृत्यु हो गई है, तो मृत्यु की तिथि Name, address and nationality of the author and if the author is deceased, date of his decease	DR. SHABNAM SAYYAD , 203 MAYFAIR ELEGENT, TADIWALA ROAD, PUNE-411001 INDIAN DR VIDYA NITIN PATIL , 403, TRIMURTI SANGAM APARTMENT, SANGAMWADI,PUNE-411003 INDIAN DR FAROOK SAYYAD , 203 MAYFAIR ELEGENT, TADIWALA ROAD, PUNE-411001-411001 INDIAN
8. कार्य प्रकाशित है या अप्रकाशित Whether the work is published or unpublished	UNPUBLISHED
9. प्रथम प्रकाशन का वर्ष और देश तथा प्रकाशक का नाम, पता और राष्ट्रीयता Year and country of first publication and name, address and nationality of the publisher	N.A.
10. बाद के प्रकाशनों के वर्ष और देश यदि कोई हों और प्रकाशकों के नाम, पते और राष्ट्रीयताएं Years and countries of subsequent publications, if any, and names, addresses and nationalities of the publishers	N.A.
11. कार्य में कॉपीराइट सहित विभिन्न अधिकारों के मालिकों के नाम, पते और राष्ट्रीयताएं और असाइनमेंट और लाइसेंस के विवरण के साथ प्रत्येक के अधिकार की सीमा, यदि कोई हो 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. SHABNAM SAYYAD , 203 MAYFAIR ELEGENT, TADIWALA ROAD, PUNE-411001 INDIAN DR VIDYA NITIN PATIL , 403, TRIMURTI SANGAM APARTMENT, SANGAMWADI,PUNE-411003 INDIAN DR FAROOK SAYYAD , 203 MAYFAIR ELEGENT, TADIWALA ROAD, PUNE-411001-411001 INDIAN
12. अन्य व्यक्तियों के नाम, पते और राष्ट्रीयताएं, यदि कोई हों, जो कॉपीराइट वाले अधिकारों को सौंपने या लाइसेंस देने के लिए अधिकृत हों Names, addresses and nationalities of other persons, if any, authorised to assign or licence of rights comprising the copyright	N.A.
13. यदि कार्य एक 'कलात्मक कार्य' है, तो कार्य करने वाले व्यक्ति का नाम, पता और राष्ट्रीयता सहित मूल कार्य का स्थान। (एक वास्तुशिल्प कार्य के मामले में कार्य पूरा होने का वर्ष भी दिखाया जाना चाहिए) 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. यदि कार्य एक 'कलात्मक कार्य' है जो किसी भी सामान या सेवाओं के संबंध में उपयोग किया जाता है या उपयोग करने में सक्षम है, तो आवेदन में कॉपीराइट अधिनियम, 1957 की धारा 45 को उप-धारा (ए) के प्रावधान के अनुसार व्यापार चिह्न पंजीयक से प्रमाणन शामिल होना चाहिए। 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. यदि कार्य एक 'कलात्मक कार्य' है तो क्या यह डिजाइन अधिनियम 2000 के अंतर्गत पंजीकृत है? यदि हां तो विवरण दें If the work is an 'Artistic work', whether it is registered under the Designs Act 2000 if yes give details.	N.A.
16. यदि कार्य एक 'कलात्मक कार्य' है जो डिजाइन अधिनियम 2000 के तहत एक डिजाइन के रूप में पंजीकृत होने में सक्षम है, तो क्या यह औद्योगिक प्रक्रिया के माध्यम से किसी वस्तु पर प्रयोग में लाया गया है और यदि हां, तो इस वस्तु को वापस प्रस्तुत किया गया है? If the work is an 'Artistic work', capable of being registered as a design under the Designs Act 2000, whether it has been applied article though an industrial process and, if yes, the number of it is reproduced.	N.A.
17. टिप्पणी, यदि कोई हो/Remarks, if any	
डायरी संख्या/Diary Number:	1244/2023-CO/L
आवेदन की तिथि/Date of Application:	13/01/2023
प्राप्ति की तिथि/Date of Receipt:	13/01/2023



Registrar of Copyrights

23.24

Certificate of Registration for a UK Design

Design number: 6275489

Grant date: 05 May 2023

Registration date: 14 April 2023

This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Debajyoti Chatterjee, SUNDARADHAS SELVA NIDHYANANTHAN, Shashikant

Vishwasrao Athawale, Nitin Ramesh Talhar, Sumedh Gangadhar Dhengre, Amit

Jain

in respect of the application of such design to:

VOICE ASSISTANT DEVICE WITH ARTIFICIAL INTELLIGENCE TO ASSIST

VISUALLY IMPAIRED PERSON

International Design Classification:

Version: 14-2023

Class: 14 RECORDING, TELECOMMUNICATION OR DATA PROCESSING
EQUIPMENT

Subclass: 01 EQUIPMENT FOR THE RECORDING OR REPRODUCTION OF
SOUNDS OR PICTURES

Adam Williams

Adam Williams

Comptroller-General of Patents, Designs and Trade Marks

Intellectual Property Office

The attention of the Proprietor(s) is drawn to the important notes overleaf.



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H.O.D.
Computer Engg Dept
AISSMS COE Pune

11,
Proof - 5

23-24

Certificate of Registration for a UK Design

Design number: 6275489

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This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Debajyoti Chatterjee, SUNDARADHAS SELVA NIDHYANANTHAN, Shashikant

Vishwasrao Athawale, Nitin Ramesh Talhar, Sumedh Gangadhar Dhengre, Amit

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Adam Williams

Adam Williams

Comptroller-General of Patents, Designs and Trade Marks

Intellectual Property Office

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मूल/No : 128482



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THE PATENT OFFICE
डिजाइन के पंजीकरण का प्रमाणपत्र
CERTIFICATE OF REGISTRATION OF DESIGN

डिजाइन सं. / Design No. : 376264-001
तारीख / Date : 27/12/2022
पारस्परिकता तारीख / Reciprocity Date* :
देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **IOT WEATHER REPORTING DEVICE** से संबंधित है, का पंजीकरण, श्रेणी **10-06** में 1.N. C. Ajay Vishwath 2. Dr. Shabnam Farook Sayyad 3.Dr. Farook Bashir Sayyad 4.Dr. Ruchi Doshi 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 **10-06** in respect of the application of such design to **IOT WEATHER REPORTING DEVICE** in the name of 1.N. C. Ajay Vishwath 2. Dr. Shabnam Farook Sayyad 3.Dr. Farook Bashir Sayyad 4.Dr. Ruchi Doshi.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन प्रावधानों के अनुसरण में।

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

निर्गमन की तारीख/Date of Issue : 03/02/2023

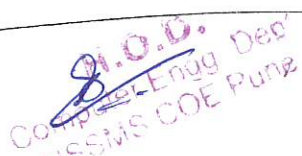
महानियंत्रक पेटेंट डिजाइन और व्यापार चिह्न
Controller General of Patents, Designs and Trade Marks

पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति देश के नाम पर की गई है। डिजाइन का सत्त्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के नियंत्रणों 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.

H.O.D.
Computer Engg Dept
AISSMS COE Pune

REPUBLIC OF SOUTH AFRICA		REGISTER OF PATENTS		PATENTS ACT, 1978	
Official application No.		Lodging date: Provisional		Acceptance date	
21	01	22		47	
2022/11105					
International classification		Lodging date: Complete		Granted date	
51	H02J;G06F	23	2022/10/11		
71 Full name(s) of applicant(s)/Patentee(s):					
<p>Mehbodniya, Dr. Abolfazl Associate Professor, Department of Electronics and Communication Engineering, Kuwait College of Science and Technology, 7th Ring Road, Doha, 20185145, Kuwait</p> <p>Webber, Dr. Julian Associate Professor, Department of Electronics and Communication Engineering, Kuwait College of Science and Technology, 7th Ring Road, Doha, 20185145, Kuwait</p> <p>Baliram Patil, Dr. Vandana Assistant Professor, Department of Engineering Physics, Dr. D.Y. Patil Institute of Engineering, Management and Research, Pimpri-Chinchwad, Maharashtra, India</p> <p>Pandey, (Dr.) Ram Kinkar Professor, Department Computer Science & Engineering, Kshatriya College of Engineering, Armoor, Telangana, India</p> <p>Reddy, Dr. Algubelly Yashwanth Vice Principal, Department of CSE, Sree Dattha Group of Institutions, Telangana, India</p> <p>Meena, Radhey Shyam eMasters, PSREM, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur, India/MNRE, New Delhi, India</p> <p>Ujalambkar, Dr. Deepali Assistant Professor, Department of Computer Engineering, AISSMS College of Engineering, Kennedy Road, Pune, India</p> <p>Kumar, Er. Raman Assistant Professor, Department of Mechanical Engineering, IEC University, Baddi, Solan, Himachal Pradesh, India</p> <p>Kaur, Prabhjot Assistant Professor, Department of IT, IMS Engineering College, Ghaziabad, Uttar Pradesh, India</p> <p>Jain, Parita Associate Professor, Department of CSE, KIET Group of Institutions, Ghaziabad, Delhi-NCR, India</p> <p>Mohanty, Dr. Asit Assistant Professor, Department of Electrical Engineering, Odisha University of Technology and Research, Bhubaneswar, India</p> <p>Tiwari, Mohit Assistant Professor, Department of Computer Science and Engineering, Bharati Vidyapeeth's College of Engineering, Delhi, India</p> <p>Siddiq, Mrs Ayesha Assistant Professor, Department of Artificial Intelligence and Data Science, Islamia Engineering College, Hyderabad, Telangana, India</p> <p>Gupta, Ankur Assistant Professor, Department of Computer Science and Engineering, Vaish College of Engineering, Rohtak, Haryana, 124001, India</p>					
71 Applicant substituted:				Date registered	
71 Assignee(s):				Date registered	
72 Full name(s) of inventor(s):					
<p>Mehbodniya, Dr. Abolfazl Webber, Dr. Julian Baliram Patil, Dr. Vandana Pandey, (Dr.) Ram Kinkar Reddy, Dr. Algubelly Yashwanth Meena, Radhey Shyam Ujalambkar, Dr. Deepali Kumar, Er. Raman Kaur, Prabhjot Jain, Parita Mohanty, Dr. Asit Tiwari, Mohit Siddiq, Mrs Ayesha Gupta, Ankur</p>					
Priority claimed:		Country		Number	
54 Title of invention					
INTELLIGENT MANAGEMENT SYSTEM FOR ELECTRICITY POWER SETTLEMENT OF ELECTRIC ENERGY POWER STATION USING BLOCKCHAIN & MACHINE LEARNING					



 Controller of Patents
 AISSMS COE Pune

Welcome Dr. Deepali Ujaramkar [Sign out]

22-23

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Declaration As To Inventorship - Form 5

Application Number: 232221077654
 Date of Filing: 31/12/2022
 Title Of Invention: Integration between IoT and Blockchain.
 Address Of Services: Dr Deepali Ujaramkar Address: E2,703 Madhuban housing society, Kales road, Viharwad, Pune 411015

Sr.No.	Applicant Name	Applicant Type	Address
1	Dr Deepali Ujaramkar	EI	E2,703 Madhuban housing society, Kales road, Viharwad, Pune 411015
2	Mahatma Education Society	EI	Mahatma Education Society, Chembur Naka, Mumbai - 400 071, Maharashtra, India.
3	Dr. Reena Singh	EI	MES's, Pitali HOC College of Engineering & Technology, Pasaerani Taluka Parvel Dist, New Maharashtra 410207, India. drsingr2014@gmail.com.
4	Miss Pannichi Singh	EI	Dr. Pitali Global Academy, Sector-7, Kharca Colony, New Parvel, New Mumbai- 410205, India.
5	Prof. (Dr.) B.K. Sarkar (Patent Expert/Guru)	EI	MES's, Pitali HOC College of Engineering & Technology, Pasaerani Taluka Parvel Dist, New Maharashtra 410207, India. drsingr2014@gmail.com.
6	Mr. Pawan Kumar Singh	EI	Dr. Pitali Global Academy, Sector-7, Kharca Colony, New Parvel, New Mumbai- 410205, India.

Sr.No.	Inventor Name	Inventor Country	Inventor Nationality	Address
1	Dr Deepali Ujaramkar	India	India	E2,703 Madhuban housing society, Kales road, Viharwad, Pune 411015
2	Dr. Reena Singh	India	India	MES's, Pitali HOC College of Engineering & Technology, Pasaerani Taluka Parvel Dist, New Maharashtra 410207, India. drsingr2014@gmail.com.
3	Miss Pannichi Singh	India	India	Dr. Pitali Global Academy, Sector-7, Kharca Colony, New Parvel, New Mumbai- 410205, India.
4	Prof. (Dr.) B.K. Sarkar (Patent Expert/Guru)	India	India	MES's, Pitali HOC College of Engineering & Technology, Pasaerani Taluka Parvel Dist, New Maharashtra 410207, India. drsingr2014@gmail.com.
5	Mr. Pawan Kumar Singh	India	India	Dr. Pitali Global Academy, Sector-7, Kharca Colony, New Parvel, New Mumbai- 410205, India.

Add Additional Inventor(if any)

APP.No.	NAME	ADDRESS	LOCALITY	COUNTRY	STATE	CITY	NATIONALITY
APP.No.	Name	Address	Locality	Country	State	City	Nationality
232221077654				--SELECT--			--SELECT--

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भारत सरकार
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पेटेंट कार्यालय
THE PATENT OFFICE
डिजाइन के पंजीकरण का प्रमाणपत्र
CERTIFICATE OF REGISTRATION OF DESIGN

डिजाइन सं. / Design No. : 374283-001
तारीख / Date : 17/11/2022
पारस्परिकता तारीख / Reciprocity Date* :
देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **CANTILEVER TYPE SINGLE V-SLOT RAIL LASER ENGRAVING MACHINE** से संबंधित है, का पंजीकरण, श्रेणी 15-99 में 1. Dr Shirish Jaysingrao Navale 2. Dr Dinesh Yashwant Dhande 3. Mr Neeraj Shashikant Maddel 4. Mr Aashish Shashikant Mahale 5. Mr Sanket Sanjay Nartwadekar 6. Mr Yogesh Subhash Bamhande के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

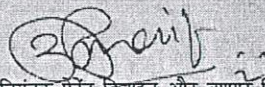
Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 15-99 in respect of the application of such design to **CANTILEVER TYPE SINGLE V-SLOT RAIL LASER ENGRAVING MACHINE** in the name of 1. Dr Shirish Jaysingrao Navale 2. Dr Dinesh Yashwant Dhande 3. Mr Neeraj Shashikant Maddel 4. Mr Aashish Shashikant Mahale 5. Mr Sanket Sanjay Nartwadekar 6. Mr Yogesh Subhash Bamhande.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन प्रावधानों के अनुसरण में।

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

INTELLECTUAL
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PATENTS / DESIGNS / TRADE MARKS
GEOGRAPHICAL INDICATIONS

निर्गमन की तारीख/Date of Issue : 07/02/2023


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

पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति देश के नाम पर की गई है। डिजाइन का सत्त्वधिकार 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.

Head of Department
Mechanical Engineering
AISSMS, O.P. I.I.N.B.

22.23



2) PATENT APPLICATION PUBLICATION
3) INDIA
4) Date of filing of Application :16/10/2022

(21) Application No.202211059010 A
(43) Publication Date : 21/10/2022

5) Title of the invention : DEEP LEARNING BASED APPROACH TO IDENTIFY THE PROS AND CONS OF MAKE IN INDIA CAMPAIGN ON INDIAN ECONOMY

International Classification :G06Q0030020000, G06N0003080000, A61K0036740000, G06N0003040000, A01H0001040000
International Application No :NA
Priority Date :NA
International Publication No : NA
Number of Addition to :NA
Date :NA
Date :NA
Date :NA

(71)Name of Applicant :
1)Dr. MANISH KUMAR JAISAL
Address of Applicant :DR. MANISH JAISAL, HEAD AND ASSISTANT PROFESSOR, SOJMC, ITM UNIVERSITY GWALIOR, ADDRESS - BEHIND AMBEDKAR SCHOOL, RANI COLONY AWAS VIKAS, FATEHPUR UP 212601 FATEHPUR -----
2)Dr. DEEPALI UJALAMBKAR
3)Dr. TAPESH KIRAN
4)BHOLA KHAN
5)PROF. (Dr.) NITIN GIRDIHARWAL
6)Dr. AKABARSAHEB B NADAF
7)RUCHI KUSHWAH
8)Dr. VINEETH SAHADEVAN
9)Dr. MOIZ AKHTAR
10)Dr. A.SASI KUMAR
11)Dr. A.PRABAKARAN
12)THIMMAIAH BAYAVANDA CHINNAPPA
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
1)Dr. MANISH KUMAR JAISAL
Address of Applicant :DR. MANISH JAISAL, HEAD AND ASSISTANT PROFESSOR, SOJMC, ITM UNIVERSITY GWALIOR, ADDRESS - BEHIND AMBEDKAR SCHOOL, RANI COLONY AWAS VIKAS, FATEHPUR UP 212601 FATEHPUR -----
2)Dr. DEEPALI UJALAMBKAR
Address of Applicant : ASSISTANT PROFESSOR/ COMPUTER ENGINEERING, AISSMS COLLEGE OF ENGINEERING, PUNE, 411001 PUNE -----
3)Dr. TAPESH KIRAN
Address of Applicant : ASSISTANT PROFESSOR/INSTITUTE OF MASS COMMUNICATION AND MEDIA TECHNOLOGY, KURUKSHETRA UNIVERSITY CAMPUS, KURUKSHETRA-HARYANA-136119 KURUKSHETRA -----
4)BHOLA KHAN
Address of Applicant : DEPARTMENT OF ECONOMICS, YOBE STATE UNIVERSITY, DAMATURU, YOBE, NIGERIA, PMB-1144 -----
5)PROF. (Dr.) NITIN GIRDIHARWAL
Address of Applicant : HEAD- FACULTY OF MANAGEMENT, MEDI-CAPS UNIVERSITY, INDORE INDORE -----
6)Dr. AKABARSAHEB B NADAF
Address of Applicant : ASSOCIATE PROFESSOR, DEPARTMENT OF COMPUTER APPLICATIONS, BHARATI VIDYAPEETH (DEEMED TO BE UNIVERSITY) ABHUIT KADAM INSTITUTE OF MANAGEMENT AND SOCIAL SCIENCES, SOLAPUR 413004 SOLAPUR -----
7)RUCHI KUSHWAH
Address of Applicant : ASSISTANT PROFESSOR, MEDI- CAPS UNIVERSITY, INDORE INDORE -----
8)Dr. VINEETH SAHADEVAN
Address of Applicant : ASSISTANT PROFESSOR/DEPT. HUMANITIES/ST. CLARET COLLEGE/ BENGALURU-13 BANGALORE -----
9)Dr. MOIZ AKHTAR
Address of Applicant : ASSISTANT PROFESSOR, DEPARTMENT OF COMMERCE & BUSINESS MANAGEMENT, INTEGRAL UNIVERSITY, LUCKNOW. 226022 LUCKNOW -----
10)Dr. A.SASI KUMAR
Address of Applicant : PROFESSOR (MENTOR-IT - INURTURE EDUCATION SOLUTIONS PVT LTD, BANGALORE), DEPARTMENT OF CLOUD TECHNOLOGY & DATA SCIENCE, INSTITUTE OF ENGINEERING & TECHNOLOGY, SRINIVAS UNIVERSITY, SRINIVAS NAGAR, MUKKA, SURATHKAL, MANGALORE-574146. MANGALORE -----
11)Dr. A.PRABAKARAN
Address of Applicant : ASSISTANT PROFESSOR IN ECONOMICS, DEPARTMENT OF COMMERCE, EXCEL COLLEGE FOR COMMERCE AND SCIENCE, KOMARAPALAYAM, NAMAKKAL DT.637303 KOMARAPALAYAM -----
12)THIMMAIAH BAYAVANDA CHINNAPPA
Address of Applicant : ASST REGISTRAR IVANE JAVANKISHI TBILISI STATE UNIVERSITY OF GEORGIA -----

based approach to Identify the Pros and Cons of Make in India Campaign on Indian Economy is the proposed invention. The invention aims at implementing algorithms of deep learning for identifying how the campaigns have revolutionized the Indian economy. The invention focuses on predicting the pros and cons associated with various activities of Make in India campaign.

Pages : 12 No. of Claims : 5

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/05/2022

(21) Application No.202221030393 A

(43) Publication Date : 10/06/2022

(54) Title of the invention : ULTRASONIC PHOTOCATALYTIC OXIDATION REACTOR IN THE FORM OF TRAY TOWER

(71)Name of Applicant :

1)BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,NAVI MUMBAI
Address of Applicant :BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,NAVI MUMBAI SECTOR 7, CBD, BELAPUR, NEAR KHARGHAR RAILWAY STATION, NAVI MUMBAI - 400614, MAHARASHTRA, INDIA. -----

Name of Applicant : NA
Address of Applicant : NA

(72)Name of Inventor :

1)MANISHA VITTHAL BAGAL

Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,NAVI MUMBAI SECTOR 7, CBD, BELAPUR, NEAR KHARGHAR RAILWAY STATION, NAVI MUMBAI - 400614, MAHARASHTRA, INDIA. -----

2)BHAGYESH ANAND NANDGAWLE

Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,NAVI MUMBAI SECTOR 7, CBD, BELAPUR, NEAR KHARGHAR RAILWAY STATION, NAVI MUMBAI - 400614, MAHARASHTRA, INDIA. -----

3)PARAG RATNAKAR GOGATE

Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,NAVI MUMBAI SECTOR 7, CBD, BELAPUR, NEAR KHARGHAR RAILWAY STATION, NAVI MUMBAI - 400614, MAHARASHTRA, INDIA. -----

4)ASHISH VISHWANATH MOHOD

Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,NAVI MUMBAI SECTOR 7, CBD, BELAPUR, NEAR KHARGHAR RAILWAY STATION, NAVI MUMBAI - 400614, MAHARASHTRA, INDIA. -----

5)ROHAN VIJAY THOSAR

Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,NAVI MUMBAI SECTOR 7, CBD, BELAPUR, NEAR KHARGHAR RAILWAY STATION, NAVI MUMBAI - 400614, MAHARASHTRA, INDIA. -----

6)SAIF MUNAF KHALFAY

Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,NAVI MUMBAI SECTOR 7, CBD, BELAPUR, NEAR KHARGHAR RAILWAY STATION, NAVI MUMBAI - 400614, MAHARASHTRA, INDIA. -----

(51) International classification :B01J0035000000, C02F0001720000, B01J0019240000,
C02F0001360000, B01D0053860000
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(88) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(57) Abstract :

The present invention describes an effective wastewater treatment approaching a continuous mode using an ultrasonic- photocatalytic tray tower. The main novelty is combining advanced oxidation processes such as ultrasonic cavitation and photolytic oxidation using an efficient design facilitating continuous operation. The reactor can be used to treat the wastewater or industrial effluent such as textiles, paper and pulp, plastics, pesticides, insecticides, wood preservatives, and others on a large scale of operation. The major advantage of this apparatus is that it can be operated at a large scale with a continuous operation and is also easy to operate and maintain.

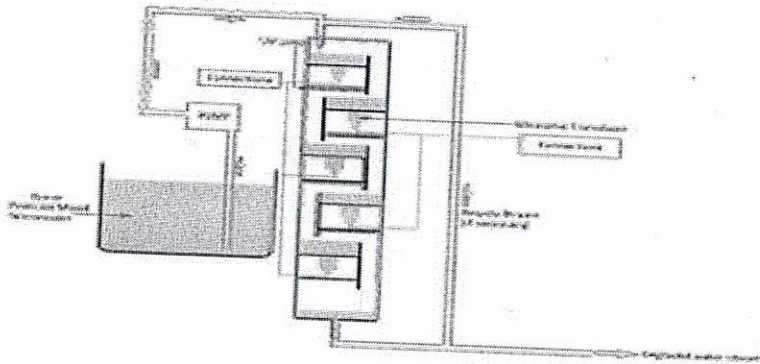


Figure 1: Schematic diagram of ultrasonic-photocatalytic tray tower with complete integrated assembly.

No. of Pages : 11 No. of Claims : 7

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :27/05/2022

(21) Application No.202221030395 A

(43) Publication Date : 10/06/2022

(54) Title of the invention : ULTRASONIC REACTOR OPERATED IN A CONTINUOUS MODE FOR BIODIESEL SYNTHESIS

(51) International classification :C10L0001020000, C11C0003000000, C11C0003100000,
C12P0007100000, B01J0019000000
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)BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,NAVI MUMBAI
Address of Applicant :BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,NAVI MUMBAI SECTOR 7, CBD, BELAPUR, NEAR KHARGHAR RAILWAY STATION, NAVI MUMBAI - 400614, MAHARASHTRA, INDIA. -----
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
1)MANISHA VITTHAL BAGAL
Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,NAVI MUMBAI SECTOR 7, CBD, BELAPUR, NEAR KHARGHAR RAILWAY STATION, NAVI MUMBAI - 400614, MAHARASHTRA, INDIA. -----
2)BHAGYESH ANAND NANDGAWLE
Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,NAVI MUMBAI SECTOR 7, CBD, BELAPUR, NEAR KHARGHAR RAILWAY STATION, NAVI MUMBAI - 400614, MAHARASHTRA, INDIA. -----
3)PARAG RATNAKAR GOGATE
Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,NAVI MUMBAI SECTOR 7, CBD, BELAPUR, NEAR KHARGHAR RAILWAY STATION, NAVI MUMBAI - 400614, MAHARASHTRA, INDIA. -----
4)ASHISH VISHWANATH MOHOD
Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,NAVI MUMBAI SECTOR 7, CBD, BELAPUR, NEAR KHARGHAR RAILWAY STATION, NAVI MUMBAI - 400614, MAHARASHTRA, INDIA. -----
5)ROHAN VIJAY THOSAR
Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,NAVI MUMBAI SECTOR 7, CBD, BELAPUR, NEAR KHARGHAR RAILWAY STATION, NAVI MUMBAI - 400614, MAHARASHTRA, INDIA. -----
6)SAIF MUNAF KHALFAY
Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,NAVI MUMBAI SECTOR 7, CBD, BELAPUR, NEAR KHARGHAR RAILWAY STATION, NAVI MUMBAI - 400614, MAHARASHTRA, INDIA. -----
7)SANDHYA DILIP JADHAV
Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,NAVI MUMBAI SECTOR 7, CBD, BELAPUR, NEAR KHARGHAR RAILWAY STATION, NAVI MUMBAI - 400614, MAHARASHTRA, INDIA. -----
8)MAHESH ARJUN SURYAWANSHI
Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,NAVI MUMBAI SECTOR 7, CBD, BELAPUR, NEAR KHARGHAR RAILWAY STATION, NAVI MUMBAI - 400614, MAHARASHTRA, INDIA. -----
9)GAJANAN BABU KUMBHAR
Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,NAVI MUMBAI SECTOR 7, CBD, BELAPUR, NEAR KHARGHAR RAILWAY STATION, NAVI MUMBAI - 400614, MAHARASHTRA, INDIA. -----
10)VIJAY BALASO MANE
Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,NAVI MUMBAI SECTOR 7, CBD, BELAPUR, NEAR KHARGHAR RAILWAY STATION, NAVI MUMBAI - 400614, MAHARASHTRA, INDIA. -----

(57) Abstract :

The present invention describes a prototype design of an ultrasonic reactor in the form of a tray tower used for biodiesel synthesis effectively in a continuous mode. It is a modified version of the ultrasonic-photocatalytic tray tower. The main novelty of this ultrasonic tray tower reactor is the handling of reaction mixture at a large capacity. The reactor can be used to synthesize biodiesel via edible as well as non-edible oil in an effective way. The major advantage of this apparatus is that it can be operated at a large scale with a continuous operation and is also easy to operate and maintain

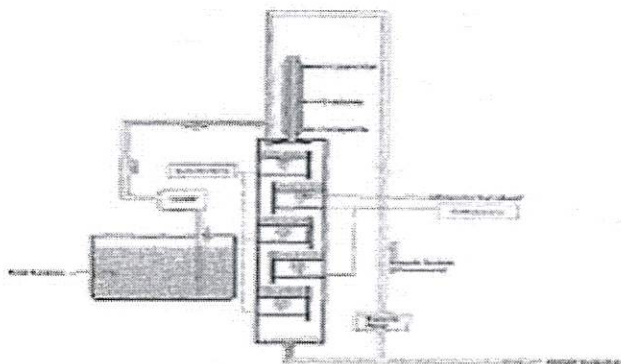


Figure 1: Elevation-front view of schematic representation of ultrasonic reactor in the form of a tray tower with complete required assembly.

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No. of Pages : 10 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202221030397 A

(19) INDIA

(22) Date of filing of Application :27/05/2022

(43) Publication Date : 10/06/2022

(54) Title of the invention : CONTINUOUS SWIRLING FLOW PHOTOCATALYTIC REACTOR

(51) International classification :B01J003500000, C02F0001320000, B01J0019120000, C02F0001720000, C02F0001300000

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

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(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)BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,NAVI MUMBAI
 Address of Applicant :BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,NAVI MUMBAI SECTOR 7, CBD, BELAPUR, NEAR KHARGHAR RAILWAY STATION, NAVI MUMBAI - 400614, MAHARASHTRA, INDIA. -----
 Name of Applicant : NA
 Address of Applicant : NA

(72)Name of Inventor :
1)MANISHA VITTHAL BAGAL
 Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,NAVI MUMBAI SECTOR 7, CBD, BELAPUR, NEAR KHARGHAR RAILWAY STATION, NAVI MUMBAI - 400614, MAHARASHTRA, INDIA. -----
2)BHAGYESH ANAND NANDGAWLE
 Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,NAVI MUMBAI SECTOR 7, CBD, BELAPUR, NEAR KHARGHAR RAILWAY STATION, NAVI MUMBAI - 400614, MAHARASHTRA, INDIA. -----
3)PARAG RATNAKAR GOGATE
 Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING AISSMSCOE PUNE MAHARASHTRA,INDIA-411001 -----
4)ASHISH VISHWANATH MOHOD
 Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING AISSMSCOE PUNE MAHARASHTRA,INDIA-411001 -----
5)VIJAY THOSAR
 Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,NAVI MUMBAI SECTOR 7, CBD, BELAPUR, NEAR KHARGHAR RAILWAY STATION, NAVI MUMBAI - 400614, MAHARASHTRA, INDIA. -----
6)ROHAN VIJAY THOSAR
 Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,NAVI MUMBAI SECTOR 7, CBD, BELAPUR, NEAR KHARGHAR RAILWAY STATION, NAVI MUMBAI - 400614, MAHARASHTRA, INDIA. -----
7)SAIF MUNAF KHALFAY
 Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,NAVI MUMBAI SECTOR 7, CBD, BELAPUR, NEAR KHARGHAR RAILWAY STATION, NAVI MUMBAI - 400614, MAHARASHTRA, INDIA. -----

(57) Abstract :
 The present invention describes a continuous mode wastewater treatment approach using aswirling flow ultraviolet lamp induced reactor containing various additives and catalysts. It is a modified photocatalytic reactor that is used for the treatment of effluent from industries such as textiles, paper and pulp, plastics, pesticides, insecticides, wood preservatives, and others. The current work introduces a new photocatalytic oxidationmethod that operates continuously. The main advantage of this apparatus is that it is simple to assemble, maintain, and operate.

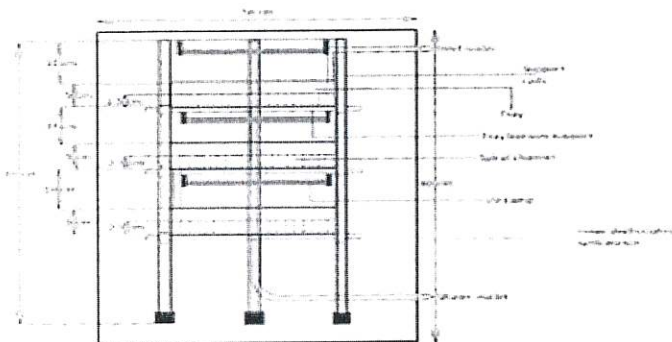



Figure 1: Front View of Continuous Swirling Flow Photocatalytic Reactor

No. of Pages : 11 No. of Claims : 8


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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. : 435692
आवेदन सं. / Application No. : 202221030397
फाइल करने की तारीख / Date of Filing : 27/05/2022
पेटेंटी / Patentee : BHARATI VIDYAPEETH COLLEGE OF ENGINEERING, NAVI
MUMBAI

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाप्रकटित *CONTINUOUS SWIRLING FLOW PHOTOCATALYTIC REACTOR* नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख मई 2022 के सत्ताईसवें 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 *CONTINUOUS SWIRLING FLOW PHOTOCATALYTIC REACTOR* as disclosed in the above mentioned application for the term of 20 years from the 27th day of May 2022 in accordance with the provisions of the Patents Act, 1970.

अनुदान की तारीख : 27/06/2023
Date of Grant :



पेटेंट नियंत्रक
Controller of Patents

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, मई 2024 के सत्ताईसवें 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 27th day of May 2024 and on the same day in every year thereafter.

Head
Deptt of Chemical Engg.
AISSMS, COE, PUNE-01.



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CERTIFICATE OF REGISTRATION OF DESIGN

Design No. 363918-001
Date 09/05/2022
Reciprocity Date*
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Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 15-99 in respect of the application of such design to NONCIRCULAR BEARING WITH HOUSING ARRANGEMENT in the name of DR. DINESH YASHWANT DHANDE , ASSOCIATE PROFESSOR, ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S COLLEGE OF ENGINEERING, DEPARTMENT OF MECHANICAL ENGINEERING, PUNE - 411001, MAHARASHTRA

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CHHATRAPATI CHOWK, RAHATANI PUNE - 411017,
MAHARASHTRA

Date of Issue 26/09/2022 13:39:57

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Mechanical Engineering
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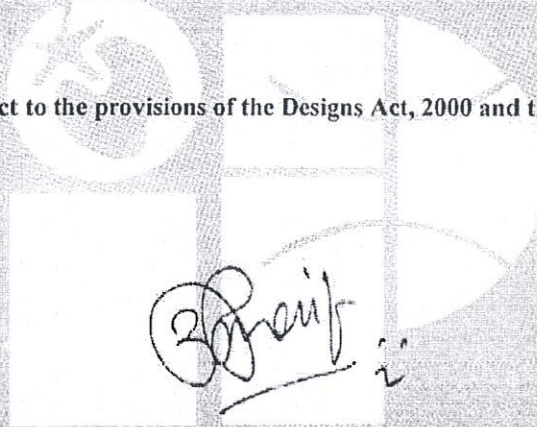
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CERTIFICATE OF REGISTRATION OF DESIGN

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Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 15-99 in respect of the application of such design to THREE LOBES BEARING WITH HOUSING in the name of DR. DINESH YASHWANT DHANDE, ASSOCIATE PROFESSOR, ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S COLLEGE OF ENGINEERING, DEPARTMENT OF MECHANICAL ENGINEERING, PUNE - 411001, MAHARASHTRA

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DR. DINESH YASHWANT DHANDE,
B502, VARDHAMAN HEIGHTS, S. NO. 66/2,
CHHATRAPATI CHOWK, RAHATANI PUNE - 411017,
MAHARASHTRA

Date of Issue 17/10/2022 13:32:05

Head of Department
Mechanical Engineering
AISSMS, (OE), PUNE.

(54) Title of the invention : REGULAR EQUAL WATER DISTRIBUTION SYSTEM

(51) International classification :H01M0008044920, F24H0009200000, G01F0023260000, G01F0023000000, G01F0007000000

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

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(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)Mr. Samkit Sanjay Chhajed
 Address of Applicant :09, A6, Comfort Zone Society, Balewadi-Baner Road, Baner, Pune, Maharashtra, India - 411045 -----
2)Miss. Kalyani Shivaji Chavane
3)Miss. Pradnya Shankar Khatpe
4)Dr. Vidya Nitin Patil
5)Mrs. Bhakti A. Patil
6)Mrs. Smita A. Takalkar
7)Mr. Pankaj R. Modak
8)Ms. Rajashri Itkarkar
9)Dr. Abhijeet M Mane
 Name of Applicant : NA
 Address of Applicant : NA

(72)Name of Inventor :
1)Mr. Samkit Sanjay Chhajed
 Address of Applicant :09, A6, Comfort Zone Society, Balewadi-Baner Road, Baner, Pune, Maharashtra, India - 411045 -----
2)Miss. Kalyani Shivaji Chavane
 Address of Applicant :At post Kharda, Shimpi Galli, Jamkhed, Dist. Ahmednagar, Maharashtra, India - 413204 -----
3)Miss. Pradnya Shankar Khatpe
 Address of Applicant :Sr.no.23/9, Balaji Sadan, Balaji Nagar, Dhankwadi, Pune, Maharashtra, India - 411043 -----
4)Dr. Vidya Nitin Patil
 Address of Applicant :All India Shri Shivaji Memorial Society's College of Engineering, Pune, Maharashtra, India - 411001 -----
5)Mrs. Bhakti A. Patil
 Address of Applicant :All India Shri Shivaji Memorial Society's College of Engineering, Pune, Maharashtra, India - 411001 -----
6)Mrs. Smita A. Takalkar
 Address of Applicant :All India Shri Shivaji Memorial Society's College of Engineering, Pune, Maharashtra, India - 411001 -----
7)Mr. Pankaj R. Modak
 Address of Applicant :All India Shri Shivaji Memorial Society's College of Engineering, Pune, Maharashtra, India - 411001 -----
8)Ms. Rajashri Itkarkar
 Address of Applicant :All India Shri Shivaji Memorial Society's College of Engineering, Pune, Maharashtra, India - 411001 -----
9)Dr. Abhijeet M Mane
 Address of Applicant :D Y Patil COE, Kalamba Ring Road, Salonkhenagar, Kolhapur, Maharashtra, India, 416001 -----

(57) Abstract :

Disclosed is a water distribution system (100) that includes an inlet pipe (101); a water tank (102); various solenoid valves (201, 202, 203, 204, 205); water level sensor (104); pH sensor (103); various flow meters (301, 302, 303, 304, 305, 306); and a microcontroller (113). The inlet pipe (101) supplies water into the water tank (102). The solenoid valves (201) are turned off upon detecting that the water tank (102) is filled to an upper threshold value. The water level sensor (104) detects a water level in the water tank (102) and transmits an alert to an administrator when the water level in the water tank (102) is reached to the upper threshold value or a lower threshold value of the water tank (102). The pH sensor (103) detects a pH value of the water supplied into the water tank (102) is in between a predefined range. The flow meters (301, 302, 303, 304, 305, 306) measure the quantity of water flow to various houses (110, 111, 112). The microcontroller (113) equally distributes the water to each of the houses (110, 111, 112). The most illustrative drawing: FIG. 1.

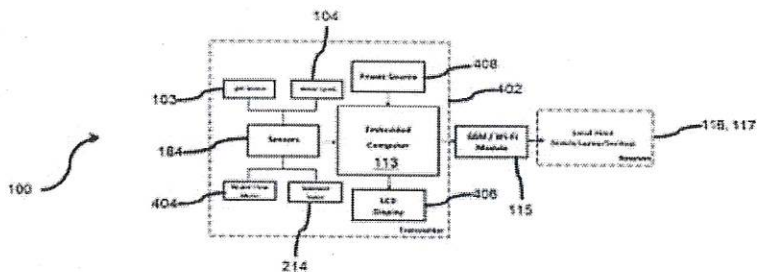


Figure No. - 1

Shanice
Head

Department of Electronics & Telecommunication
AISSMS's COE PUNE-411001.



Dated : 28/12/2021

1. Registration Number : **L-109790/2021**
2. Name, address and nationality of the applicant : PRASHANT VASANTRAO DESHMUKH, RH NO - 18, J P HOMES, PUNE - SOLAPUR ROAD, MANJARI, PUNE-412307 INDIAN
3. Nature of the applicant's interest in the copyright of the work : AUTHOR
4. Class and description of the work : LITERARY/ DRAMATIC WORK AS DIFFERENT TOOLS ARE USED FOR ASSESSMENT OF EACH COURSE OUTCOME. TOTAL CO ATTAINMENT OF EACH CO WILL DEPEND ON CO ATTAINMENT BY EACH TOOL. WEIGHTED METHOD DEFINES HOW TO MEASURE TOTAL CO ATTAINMENT.
5. Title of the work : WEIGHTED METHOD FOR CALCULATION OF CO ATTAINMENT
6. Language of the work : ENGLISH
7. Name, address and nationality of the author and if the author is deceased, date of his decease : PRASHANT VASANTRAO DESHMUKH, RH NO - 18, J P HOMES, PUNE - SOLAPUR ROAD, MANJARI, PUNE-412307 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 : PRASHANT VASANTRAO DESHMUKH, RH NO - 18, J P HOMES, PUNE - SOLAPUR ROAD, MANJARI, PUNE-412307 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 through an industrial process and if yes, the number of times it is reproduced. : N.A.
17. Remarks, if any :


Diary Number : 22797/2021-CO/L

Date of Application : 21/09/2021

Date : 21/09/2021




DEPUTY REGISTRAR OF COPYRIGHTS


Head of Department
Mechanical Engineering
AISSMS, COE, PUNE.



Dated : 05/11/2021


1. Registration Number : **L-108982/2021**
2. Name, address and nationality of the applicant : PRASHANT VASANTRAO DESHMUKH . RH NO - 18, J P HOMES, SOLAPUR ROAD, MANJARI, PUNE-412307 INDIAN
3. Nature of the applicant's interest in the copyright of the work : AUTHOR
4. Class and description of the work : LITERARY/ DRAMATIC WORK STUDENT CENTRIC METHOD CAN BE DESIGNED CONSIDERING THE CO. RUBRICS OR TEST QUESTION CAN BE MAPPED WITH CO. AVERAGE OF THE PERFORMANCE OF ALL STUDENTS CAN BE USED TO TO DECIDE LEVEL OF ATTAINMENT
5. Title of the work : CALCULATION OF COURSE OUTCOME ATTAINMENT LEVEL FOR STUDENT CENTRIC METHODS
6. Language of the work : ENGLISH
7. Name, address and nationality of the author and if the author is deceased, date of his decease : PRASHANT VASANTRAO DESHMUKH , RH NO - 18, J P HOMES, SOLAPUR ROAD, MANJARI, PUNE-412307 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 : PRASHANT VASANTRAO DESHMUKH . RH NO - 18, J P HOMES, SOLAPUR ROAD, MANJARI, PUNE-412307 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 : 23605/2021-CO/L

Date of Application : 29/09/2021

Date : 29/09/2021




Head of Department
Mechanical Engineering
AISSMS, COE, PUNE.


DEPUTY REGISTRAR OF COPYRIGHTS



Dated : 19/10/2020

1. Registration Number : **L-95879/2020**
2. Name, address and nationality of the applicant : RAJESHRI RAHUL ITKARKAR , B1/5, SHUBHASHREE WOODS, PIMPLE SUADAGAR, PUNE, MAHARASHTRA, INDIA-411027 INDIA
3. Nature of the applicant's interest in the copyright of the work : AUTHOR
4. Class and description of the work : LITERARY/ DRAMATIC WORK
5. Title of the work : CNN BASED HAND GESTURE RECOGNITION FOR INDIAN SIGN LANGUAGE
6. Language of the work : ENGLISH
7. Name, address and nationality of the author and if the author is deceased, date of his decease : RAJESHRI RAHUL ITKARKAR , B1/5, SHUBHASHREE WOODS, PIMPLE SUADAGAR, PUNE, MAHARASHTRA, INDIA-411027 INDIAN
ANILKUMAR V NANDI , VIDYA NAGAR, HUBLI, KARNATAKA-580031 INDIAN
VAISHALI B MUNGURWADI , HUBLI, KARNATAKA-580031 INDIAN
APURVA RAHUL ITKARKAR , B1/5, SHUBHASHREE WOODS, PIMPLE SAUDAGAR PUNE, MAHARASHTRA, INDIA-411027 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 : RAJESHRI RAHUL ITKARKAR , B1/5, SHUBHASHREE WOODS, PIMPLE SUADAGAR, PUNE, MAHARASHTRA, INDIA-411027 INDIAN
ANILKUMAR V NANDI , VIDYA NAGAR, HUBLI, KARNATAKA-580031 INDIAN
VAISHALI B MUNGURWADI , HUBLI, KARNATAKA-580031 INDIAN
APURVA RAHUL ITKARKAR , B1/5, SHUBHASHREE WOODS, PIMPLE SAUDAGAR PUNE, MAHARASHTRA, INDIA-411027 INDIAN
12. Names, addresses and nationalities of other persons, if any, authorised to assign or licence of rights comprising the copyright : RAJESHRI RAHUL ITKARKAR , B1/5, SHUBHASHREE WOODS, PIMPLE SUADAGAR, PUNE, MAHARASHTRA, INDIA-411027 INDIA
13. If the work is an 'Artistic work', the location of the original work, including the 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 a 'Literary work' which is used or capable of being used in connection with goods or services, the application should be made to 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 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



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CERTIFICATE OF REGISTRATION OF DESIGN

Design No. 350663-001
Date 04/10/2021 20:23:29
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 19-06 in respect of the application of such design to WRITING BOARD WITH ARRANGEMENT OF PROJECTOR AND CAMERA in the name of I.D.R. CHANDRASHEKHAR BADACHI, ASSO PROF, DEPARTMENT OF EEE, MSRIT, BENGALURU, KR 560054 2. RAJESHRI RAHUL ITKARKAR ASST PROF, AISSMS COE PUNE, MH 411001 3. ABHIJEET MOHANRAO MANE CAMPUS COORDINATOR, CYP COE, KALAMBA RING ROAD, SALOKHENAGAR KOLHAPUR 416007 4. DR. VIDYA NITIN PATIL ASSO PROF, AISSMS COLLEGE OF ENGINEERING, PUNE, MH 411001, ET AL.

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

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RAJASTHAN PIN 324009, INDIA

Date of Issue 24/11/2021 11:13:40


Anand
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Department of Electronics & Telecommunication
AISSMS's COE P'



Dated : 16/07/2021

1. Registration Number : **L-105542/2021**
2. Name, address and nationality of the applicant : PRIYA GAJJAL , NANDED CITY SHUBHKALYAN A 902-411041
INDIAN
3. Nature of the applicant's interest in the copyright of the work : AUTHOR
4. Class and description of the work : LITERARY/ DRAMATIC WORK
5. Title of the work : DIRECTIONAL APPROACH METHOD
6. Language of the work : ENGLISH
7. Name, address and nationality of the author and if the author is deceased, date of his decease : PRIYA GAJJAL , NANDED CITY SHUBHKALYAN A 902-411041
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 : PRIYA GAJJAL , NANDED CITY SHUBHKALYAN A 902-411041
INDIAN
12. Names, addresses and nationalities of other persons, if any, authorised to assign or licence of rights comprising the copyright : PRIYA GAJJAL , NANDED CITY SHUBHKALYAN A 902-411041
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.
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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 through an industrial process and, if yes, the number of times it is reproduced. : N.A.
17. Remarks, if any :
Diary Number : 8998/2021-CO/L
Date of Application : 10/04/2021
Date of Receipt : 10/04/2021




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Mechanical Engineering
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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202121022504 A

(19) INDIA

(22) Date of filing of Application :20/05/2021

(43) Publication Date : 25/06/2021

(54) Title of the invention : GESTURE BASED SMART VOCALIZER

(51) International classification :G06F0003010000,
G06N0003040000,
G06K0009000000,
G06N0003080000,
G09B0021000000

(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)Rajeshri Rahul Itkarkar

Address of Applicant :Assistant Professor Department:
Electronics and Telecommunication AISSMS COE Pune-411001,
Maharashtra emailid: itkarkarrajashri@yahoo.com 8412988834
Maharashtra India

2)Dr. D S Bormane

3)Omkar Hindurao Darekar

4)Sahil Unemsh Vora

5)Dr. Anilkumar V Nandi

6)Prachi Kundan Gorate

7)Nivedita Vinayak Ketkar

8)Dr.Poornima G Patil

9)Dr. Jyoti Bali

10)Dr. Piyush Kumar Pareek

(72)Name of Inventor :

1)Rajeshri Rahul Itkarkar

2)Dr. D S Bormane

3)Omkar Hindurao Darekar

4)Sahil Unemsh Vora

5)Dr. Anilkumar V Nandi

6)Prachi Kundan Gorate

7)Nivedita Vinayak Ketkar

8)Dr.Poornima G Patil

9)Dr. Jyoti Bali

10)Dr. Piyush Kumar Pareek

(57) Abstract :

The hand gesture is one of the typical methods used in sign language. It is often very difficult for hearing-impaired people to communicate with the world. The present Invention discloses a solution that will not only automatically recognize the hand gestures but will also convert it into speech and text output so that an impaired person can easily communicate with normal people. The system consists of a camera attached to a computer that will take images of hand gestures, Convolutional neural network(CNN) is used to recognize the hand gestures of the person.

Io. of Pages : 12 No. of Claims : 2

Shinde
Head



(12) PATENT APPLICATION PUBLICATION

(21) Application No.202121022673 A

(19) INDIA

(22) Date of filing of Application :21/05/2021

(43) Publication Date : 25/06/2021

(54) Title of the invention : METHOD AND APPARATUS FOR SQUARING OPERATION

(51) International classification :G06G0007200000,
G06F0007720000,
G06G0007164000,
G06F0007552000,
H04L0009000000

(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)Avinash Patil
Address of Applicant :JSPM™s Rajarshi Shahu College of Engineering, S.No. 80,Pune-Mumbai Bypass Highway, Tathawade, Pune, India-411033. Maharashtra India
2)Shailaja Patil
3)Sushma Wadar
4)Dr BORMANE D S

(72)Name of Inventor :
1)Avinash Patil
2)Shailaja Patil
3)Sushma Wadar
4)Dr BORMANE D S

(57) Abstract :

A method and an apparatus to determine square of an N-bit operand is disclosed. The method includes receiving and dividing the N-bit operand into two substrings and loading each of the two substrings into a first squaring circuit (402a) and a second squaring circuit (402b) respectively and simultaneously loading each of the two substrings into a multiplier (404). The method includes providing output of the first squaring circuit (402a) to a first adder (408a) and loading output of the multiplier to a shifter (406) and further to a second adder (408b) and dividing output of the second squaring circuit into two substrings, wherein a first substring of the second squaring circuit forms right most bits of a final output and a second substring of the second squaring circuit is fed to the second adder. Lastly, the method includes adding output of the shifter and the second substring of the second squaring circuit by the second adder and dividing the output of the second adder into two substrings, wherein a first substring of the second adder forms a part of the final output and a second substring of the second adder is fed to the first adder and adding, by the first adder, output of the first squaring circuit and the second substring of the second adder to get left most bits of the final output.

No. of Pages : 30 No. of Claims : 12

Chhore
Head



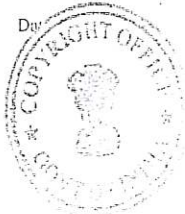
Dated : 28/12/2021


1. Registration Number : **L-109790/2021**
2. Name, address and nationality of the applicant : PRASHANT VASANTRAO DESHMUKH , RH NO - 18, J P HOMES, PUNE - SOLAPUR ROAD, MANJARI, PUNE-412307 INDIAN
3. Nature of the applicant's interest in the copyright of the work : AUTHOR
4. Class and description of the work : LITERARY/ DRAMATIC WORK AS DIFFERENT TOOLS ARE USED FOR ASSESSMENT OF EACH COURSE OUTCOME. TOTAL CO ATTAINMENT OF EACH CO WILL DEPEND ON CO ATTAINMENT BY EACH TOOL. WEIGHTED METHOD DEFINES HOW TO MEASURE TOTAL CO ATTAINMENT.
5. Title of the work : WEIGHTED METHOD FOR CALCULATION OF CO ATTAINMENT
6. Language of the work : ENGLISH
7. Name, address and nationality of the author and if the author is deceased, date of his decease : PRASHANT VASANTRAO DESHMUKH , RH NO - 18, J P HOMES, PUNE - SOLAPUR ROAD, MANJARI, PUNE-412307 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.
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12. Names, addresses and nationalities of other persons, if any, authorised to assign or licence of rights comprising the copyright : N.A.
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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 : 22797/2021-CO/L

Date of Application : 21/09/2021

Date : 21/09/2021



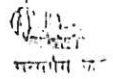

Head of Department
Mechanical Engineering
AISSMS, COE, PUNE.


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No 108032



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CERTIFICATE OF REGISTRATION OF DESIGN

Design No. 353914-001
Date 29/11/2021 22:42:46
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 10-05 in respect of the application of such design to ROBOTIC DEVICE FOR SHORTEST PATH IDENTIFICATION IN HOSPITALS in the name of I.DR. SHASHIKANT VISHWASRAO ATHAWALE, ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER ENGINEERING, AISSMS COLLEGE OF ENGINEERING, PUNE, MAHARASHTRA 411001. 2. DR. GAJENDRA RAMBHAI BAMNOTE, PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING, PROF RAM MEGHE INSTITUTE OF TECHNOLOGY & RESEARCH, BADNERA DIST. AMRAVATI (MAHARASHTRA) 444607. 3. DR. AMOL KRISHNAT KADAM, ASSOCIATE PROFESSOR, BHARATI VIDYAPEETH (DEEMED TO BE UNIVERSITY) COLLEGE OF ENGINEERING, DHANKAWADI, PUNE. 411043. 4. DR. NAMITA RAHUL KALE, ASSOCIATE PROFESSOR, BHARATI VIDYAPEETH (DEEMED TO BE UNIVERSITY) COLLEGE OF ENGINEERING, DHANKAWADI, PUNE. 411043

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



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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.

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DR. SHASHIKANT V. ATHAWALE,
SUKHANIWAS BL-B; B-506, SN:13/2B/1, PL-3, NEAR TEL-
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MAHARASHTRA, INDIA

Date of Issue 28/01/2022 16:06:09

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Computer Engg Dept
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CERTIFICATE OF REGISTRATION OF DESIGN

Design No. 353836-001
Date 27/11/2021 15:25:02
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 10-05 in respect of the application of such design to APPARATUS FOR TESTING AND MEASURING STRENGTH OF EMBANKMENT MATERIAL in the name of 1. DR. B. R. AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY, JALANDHAR, G.T. ROAD, AMRITSAR BYE- PASS, JALANDHAR (PUNJAB), INDIA - 144011 2. DR. HEMANT S CHORE, ASSOCIATE PROFESSOR, DEPARTMENT OF CIVIL ENGINEERING, DR. B. R. AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY, G. T. ROAD BYE PASS, JALANDHAR- 144011 PUNJAB INDIA 3. DR. (MRS.) VIDYA NITIN PATIL, ASSOCIATE PROFESSOR, CIVIL ENGINEERING DEPT., AISSMS'S COLLEGE OF ENGINEERING PUNE 411001 MAHARASHTRA INDIA 4. DR. VISHWAS A SAWANT, PROFESSOR, DEPARTMENT OF CIVIL ENGINEERING, INDIAN INSTITUTE OF TECHNOLOGY ROORKEE, ROORKEE, UTTARAKHAND INDIA - 247667

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

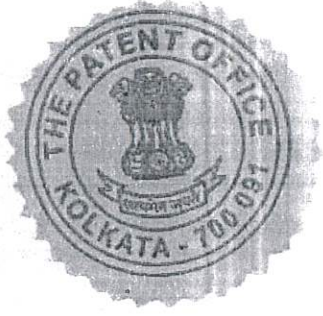
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*The reciprocity date (if any) which has been allowed and the name of the country.
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RAJASTHAN PIN 324009, INDIA

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CIVIL ENGINEERING
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ORIGINAL

No. 105159

CERTIFICATE OF REGISTRATION OF DESIGN

Design No. 350663-001
Date 04/10/2021 20:23:29
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 19-06 in respect of the application of such design to WRITING BOARD WITH ARRANGEMENT OF PROJECTOR AND CAMERA in the name of 1.DR. CHANDRASHEKHAR BADACHI, ASSO PROF, DEPARTMENT OF EEE, MSRIT, BENGALURU, KR 560054 2. RAJESHRI RAHUL ITKARKAR ASST PROF, AISSMS COE PUNE, MH 411001 3. ABHIJEET MOHANRAO MANE CAMPUS COORDINATOR, CYP COE, KALAMBA RING ROAD, SALOKHENAGAR KOLHAPUR 416007 4. DR. VIDYA NITIN PATIL ASSO PROF, AISSMS COLLEGE OF ENGINEERING, PUNE, MH 411001, ET AL.

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RAJASTHAN PIN 324009, INDIA

Date of Issue 24/11/2021 11:13:40

f. Bhokar
Head

Department of Electronics & Telecommunication
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THE PATENT OFFICE

ORIGINAL

No 105159

CERTIFICATE OF REGISTRATION OF DESIGN

Design No. 350663-001
Date 04/10/2021 20:23:29
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 19-06 in respect of the application of such design to WRITING BOARD WITH ARRANGEMENT OF PROJECTOR AND CAMERA in the name of 1.DR. CHANDRASHEKHAR BADACHIL, ASSO PROF, DEPARTMENT OF EEE, MSRIT, BENGALURU, KR 560054 2. RAJESHRI RAHUL ITKARKAR ASST PROF, AISSMS COE PUNE, MH 411001 3. ABHIJEET MOHANRAO MANE CAMPUS COORDINATOR, CYP COE, KALAMBA RING ROAD, SALOKHENAGAR KOLHAPUR 416007 4. DR. VIDYA NITIN PATHIL ASSO PROF, AISSMS COLLEGE OF ENGINEERING, PUNE, MH 411001, ET AL.

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

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RAJASTHAN PIN 324009, INDIA

Date of Issue 24/11/2021 11:43:40


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No. 97718

भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE

CERTIFICATE OF REGISTRATION OF DESIGN

Design No. 340063-001
Date 02/03/2021 23:14:05
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 25-01 in respect of the application of such design to RUBBERGRID FOR REINFORCEMENT IN HIGHWAY CONSTRUCTION in the name of 1. DR. HEMANT CHORE, ASSOCIATE PROFESSOR, DEPARTMENT OF CIVIL ENGINEERING, DR. B. R. AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY, G. T. ROAD BYE PASS, JALANDHAR- 144011 PUNJAB INDIA 2. DR. (MRS) VIDYA NITIN PATIL, ASSOCIATE PROFESSOR, CIVIL ENGINEERING DEPT., AISSMS'S COLLEGE OF ENGINEERING PUNE 411001 MAHARASHTRA INDIA 3. DR. VISHWAS SAWANT, PROFESSOR, DEPARTMENT OF CIVIL ENGINEERING, INDIAN INSTITUTE OF TECHNOLOGY ROORKEE, ROORKEE, UTTARAKHAND INDIA - 247667

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Date of Issue 21/04/2021 06:26:44

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Dated : 11.02/2021

1. Registration Number : L-99333/2021
2. Name, address and nationality of the applicant : DR. MANGESH RAVINDRA PHATE . FLAT NO E-602,
DAULATNAGAR PHASE2,
NEAR SUNCITY,
SINHGAD ROAD, VADGAON (BK),
PUNE, MAHARASHTRA, INDIA-411051
-411051
INDIAN
3. Nature of the applicant's interest in the copyright of the work : AUTHOR
4. Class and description of the work : LITERARY/ DRAMATIC WORK
5. Title of the work : EASY AND EFFICIENT CO-PO/PSO MAPPING PROCESS FOR
UNIVERSITY AFFILIATED ENGINEERING INSTITUTES.
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. MANGESH RAVINDRA PHATE . FLAT NO E-602,
DAULATNAGAR PHASE2,
NEAR SUNCITY,
SINHGAD ROAD, VADGAON (BK),
PUNE, MAHARASHTRA, INDIA-411051
-411051
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. MANGESH RAVINDRA PHATE . FLAT NO E-602,
DAULATNAGAR PHASE2,
NEAR SUNCITY,
SINHGAD ROAD, VADGAON (BK),
PUNE, MAHARASHTRA, INDIA-411051
-411051
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 through an industrial process and, if yes, the number of times
it is registered. : N.A.
17. If the work is a computer program, whether it is registered under the
Copyright Act 1957, give details. : N.A.




21661/2020-CO/L

29/12/2020

29/12/2020


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Head of Department
Mechanical Engineering
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Australian Government

IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2020101948

The Commissioner of Patents has granted the above patent on 16 September 2020, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Rakesh Kumar Yadav of KCC Institute of Technology & Management Greater Noida, UP India

Navneet Kumar of Galgotias College of Engineering &, Technology, Plot No.1, Knowledge, Park - 2 Greater Noida-201306, G.B. Nagar, UP India

Santosh Gopal Nagpure of Bhagya Jyot, Sahyadri Colony, Jijamata Chowk, Gurudwara-Walhekarwadi, Road, Near Akurdi Railway Station Chinchwad, Pune-411033, MH India

J. Karthikeyan of Mangayarkarasi College of Engineering Paravai, Madurai-625402, Tamilnadu India

P. Rajeswari of Department of Electronics and, Engineering, Velammal College of, Engineering and Technology Madurai -625 009, Tamilnadu India

Avinash G. Patil of Plot No. 27, Thakur Shrifal Appartment, Block No.203, Yashavant Nagar, Talegaon Dabhade Tal Maval Pune, MH India

Sandip Prakash Chavhan of G.H. Raisoni Institute of Engineering, and Technology Pune -412207, MH India

Manish S. Deshmukh of Dept. of Mechanical Engineering, AISSMS College of engineering, Near RTO Square Pune -411001, MH India

Dheeraj S. Deshmukh of Dept. of Mechanical Engineering, G H Raisoni College of Engineering, Digdaoh Hills, Hingna Road Nagpur -440012, MH India

Manish Kothari of 51 Sumanpuri, Adhoiwala 2 Dehrad Dun-248001 India

Title of invention:

Kitchen Items Cleaning Device: KITCHEN ITEMS CLEANING AND DISINFECTING DEVICE USING WATER AND UV-LIGHT

Name of inventor(s):

Yadav, Rakesh Kumar; Kumar, Navneet Kumar; Nagpure, Santosh Gopal; Karthikeyan, J.; Rajeswari P.; Patil, Avinash G.; Chavhan, Sandip Prakash; Deshmukh, Manish S.; Deshmukh, Dheeraj S. and Kothari, Manish

Term of Patent:

Eight years from 23 August 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 16th day of September 2020

Commissioner of Patents

SM
Head of Department
Mechanical Engineering
AISSMS, OE, PUNE.

Extracts
from the Register
of Copyrights




Dated : 27/01/2020

1. Registration Number	: L-89116/2020
2. Name, address and nationality of the applicant	: DR. MANGESH RAVINDRA PHATE , FLAT NO E-602, DAULATNAGAR PHASE II, NEAR SUNCITY, SINHGAD ROAD, VADGAON (BK), PUNE, MAHARASHTRA, INDIA- 411051 INDIAN
3. Nature of the applicant's interest in the copyright of the work	: AUTHOR
4. Class and description of the work	: LITERARY/ DRAMATIC WORK
5. Title of the work	: FORMULATION OF EXPERIMENTAL DATA BASED MODEL FOR THE MACHINING PROCESS USING HIGHER DEGREE RESPONSE SURFACE METHOD.
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. MANGESH RAVINDRA PHATE , FLAT NO E-602, DAULATNAGAR PHASE II, NEAR SUNCITY, SINHGAD ROAD, VADGAON (BK), PUNE, MAHARASHTRA, INDIA- 411051 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. MANGESH RAVINDRA PHATE , FLAT NO E-602, DAULATNAGAR PHASE II, NEAR SUNCITY, SINHGAD ROAD, VADGAON (BK), PUNE, MAHARASHTRA, INDIA- 411051 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 :	20317/2019-CO/L
Day :	18/12/2019
	18/12/2019



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Head of Department
Mechanical Engineering
AISSMS COE, PUNE





सत्यमेव जयते

Extracts from the Register of Copyrights



Dated : 13/11/2019

- 1. Registration Number : **L-86914/2019**
- 2. Name, address and nationality of the applicant : DR.MANGESH RAVINDRA PHATE , FLAT NO :E-602, DAULATNAGAR PHASE II, NEAR SUNCITY, SINHGAD ROAD, VADGAON(BK), PUNE, MAHARASHTRA, INDIA-411051 INDIAN
- 3. Nature of the applicant's interest in the copyright of the work : AUTHOR
- 4. Class and description of the work : LITERARY/ DRAMATIC WORK FORMULATION OF EXPERIMENTAL DATA BASED MODEL FOR THE MACHINING PROCESS USING ARTIFICIAL NEURAL NETWORK TECHNIQUE
- 5. Title of the work : FORMULATION OF EXPERIMENTAL DATA BASED MODEL FOR THE MACHINING PROCESS USING ARTIFICIAL NEURAL NETWORK
- 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.MANGESH RAVINDRA PHATE , FLAT NO :E-602, DAULATNAGAR PHASE II, NEAR SUNCITY, SINHGAD ROAD, VADGAON(BK), PUNE, MAHARASHTRA, INDIA-411051 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.MANGESH RAVINDRA PHATE , FLAT NO :E-602, DAULATNAGAR PHASE II, NEAR SUNCITY, SINHGAD ROAD, VADGAON(BK), PUNE, MAHARASHTRA, INDIA-411051 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



14307/2019-CO.L
10/09/2019
10/09/2019

[Handwritten signature]

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**Head of Department
Mechanical Engineering
AISSMS, COE, PUNE.**

[Handwritten signature]

14

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 201921014067 A

(19) INDIA

(22) Date of filing of Application : 08/04/2019

(43) Publication Date : 10/05/2019

(54) Title of the invention : METHOD, APPARATUS AND SYSTEM FOR FINDING TWO'S COMPLEMENT OF A N-BIT NUMBER.

(51) International classification	:G06F 7/00	(71) Name of Applicant :
(31) Priority Document No	:NA	1) MS. WADAR SUSHMA RAJU
(32) Priority Date	:NA	Address of Applicant : AISSMS INSTITUTE OF
(33) Name of priority country	:NA	INFORMATION TECHNOLOGY, KENNEDY ROAD, NEAR
(86) International Application No	:NA	R.T.O., PUNE, MAHARASHTRA, PIN CODE: 411001
Filing Date	:NA	Maharashtra India
(87) International Publication No	:NA	2) DR. BORMANE D S
(61) Patent of Addition to Application Number	:NA	3) DR. PATIL SHAILAJA C.
Filing Date	:NA	4) MR. PATIL AVINASH SUBHASH
(62) Divisional to Application Number	:NA	(72) Name of Inventor :
Filing Date	:NA	1) MS. WADAR SUSHMA RAJU
		2) DR. BORMANE D S
		3) DR. PATIL SHAILAJA C.
		4) MR. PATIL AVINASH SUBHASH

(57) Abstract :

The twos complement is the most common method of representing signed integers on computers. The method of complements had long been used to perform subtraction in decimal adding machines and mechanical calculators. The twos complement of a n-bit number is one of the most important mathematical scheme required in various applications. It is a common operation in computer systems. Twos complement is mainly used in binary subtraction or for calculating the difference between two values. Compared to other systems for representing signed numbers, twos complement has the advantage that the fundamental arithmetic operations of addition, subtraction and multiplication are identical to those for unsigned binary numbers. There are various techniques available for finding the twos complement of a number, but all of them require an adder in addition with NOT gates or XOR gates. There also exists a logical method to calculate the twos complement of the number. This model is designed to suit the needs of any application without any need of adders. The complement can be achieved in two ways proposed here. The first technique provides the computation of the twos complement of the number with optimized hardware and the other one enhancing the speed of operation. Its implementation on hardware such as FPGA will provide several advantages compared to the performance offered in software. The model designed to calculate twos complement of a number occupies low device space with improved speed and low power consumption. The design is coded in RTL VHDL, and implemented in FPGA-board for hardware validation. The implementation produced the twos complement, with low latency and optimized hardware for various input data width is tested. These designs use novel approach to compute the twos compliment of a number.

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

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Sharma
Head

Department of Electronics & Telecommunication (10)
AISSMS's COE PUNE-411001.

(12) PATENT APPLICATION PUBLICATION (21) Application No.201921014247 A
 (19) INDIA
 (22) Date of filing of Application :09/04/2019 (43) Publication Date : 10/05/2019

(54) Title of the invention : 'MICROWAVE SENSOR FOR NON INVASIVE DETERMINATION OF BLOOD GLUCOSE LEVEL'

(51) International classification	:A61B 5/00	(71)Name of Applicant :	1)MS VIDYA VIJAY DESHMUKH
(31) Priority Document No	:NA	Address of Applicant :	SHRIRAM COMPLEX FLAT NO:
(32) Priority Date	:NA		06,323, NANA PETH,LAKSHMI ROAD, NEAR ARUNA
(33) Name of priority country	:NA		CHOWK, PUNE,MAHARASHTRA,INDIA, PIN CODE: 411002
(86) International Application No	:NA		Maharashtra India
Filing Date	:NA	2)DR SUVARNA SANDIP CHORAGE	
(87) International Publication No	:NA	(72)Name of Inventor :	1)MS VIDYA VIJAY DESHMUKH
(61) Patent of Addition to Application Number	:NA		2)DR SUVARNA SANDIP CHORAGE
Filing Date	:NA		
(62) Divisional to Application Number	:NA		
Filing Date	:NA		

(57) Abstract :

9. ABSTRACT OF INVENTION This invention presents possibility to measure Blood Glucose Level noninvasively using Microwave Sensor. A Narrowband Microstrip Patch Antenna is designed, simulated and fabricated to resonate at 1.3 GHz. Human finger is kept above a Microstrip antenna. Because of this near field of antenna gets interact with Material Under Test (MUT) here human finger. So electric characteristics of antenna changes in relation to permittivity of material. Change in dielectric causes corresponding shift in resonating frequency of NB antenna. This relationship is useful to measure Blood Glucose level. Patients blood glucose level is measured by traditional glucose meter. At the same time resonant frequency shift of antenna is measured by Vector Network Analyzer to create database. Linear regression is applied to optimize this database. For real time monitoring of Blood Glucose Level Computer with Python programming is interfaced to VNA This set up is helpful to predict Blood Glucose Level noninvasively using Microwave sensor.

No. of Pages : 10 No. of Claims : 7



**INTELLECTUAL
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PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS



सत्यमेव जयते

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THE PATENT OFFICE
पेटेंट प्रमाणपत्र
PATENT CERTIFICATE
(Rule 74 of The Patents Rules)

क्रमांक : 022119097
SL No :



पेटेंट सं. / Patent No. : 402142
आवेदन सं. / Application No. : 201821000237
फाइल करने की तारीख / Date of Filing : 03/01/2018
पेटेंटी / Patentee : 1.DR. (MRS.) PATIL VIDYA NITIN 2.DR. CHORE HEMANT SHARAD 3.DR. SAWANT VISHWAS A.

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाप्रकटित DEVICE FOR TESTING OPTIMUM BEARING CAPACITY OF GEOTECHNICAL MATERIALS WITH A SLIDING LOADING FRAME नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख जनवरी 2018 के तीसरे 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 DEVICE FOR TESTING OPTIMUM BEARING CAPACITY OF GEOTECHNICAL MATERIALS WITH A SLIDING LOADING FRAME as disclosed in the above mentioned application for the term of 20 years from the 3rd day of January 2018 in accordance with the provisions of the Patents Act, 1970.



अनुदान की तारीख : 27/07/2022
Date of Grant :

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CIVIL ENGINEERING**

पेटेंट नियंत्रक
Controller of Patent

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टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, जनवरी 2020 के तीसरे 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 3rd day of January 2020 and on the same day in every year thereafter.