



REPUBLIC OF SOUTH AFRICA

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PATENTS ACT, 1978

## CERTIFICATE

In accordance with section 44 (1) of the Patents Act, No. 57 of 1978, it is hereby certified that:

**Dr. Kumaraswamy Gandla; Dr.Kumar Raja Jayavarapu; Atchutuni V S Ravi Sai Nadh; Ghanta Vijaya Kumar; Baratam Anupama; Lakshmi Samrajyam Katta; Dr.Bharghava Bhushan Rao Pathange; Dr Prasad Thota**

Has been granted a patent in respect of an invention described and claimed in complete specification deposited at the Patent Office under the number

**2023/02641**

A copy of the complete specification is annexed, together with the relevant Form P2.

In testimony thereof, the seal of the Patent Office has been affixed at Pretoria with effect from the 31<sup>st</sup> day of May 2023

  
.....  
Registrar of Patents



ORIGINAL

मूल/No : 130193



भारत सरकार  
GOVERNMENT OF INDIA  
पेटेंट कार्यालय  
THE PATENT OFFICE

डिजाइन के पंजीकरण का प्रमाणपत्र  
CERTIFICATE OF REGISTRATION OF DESIGN

डिजाइन सं. / Design No. : 374542-001  
तारीख / Date : 23/11/2022  
पारस्परिकता तारीख / Reciprocity Date\* :  
देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **FLUID TRANSFER APPARATUS FOR MEDICAL PURPOSE** से संबंधित है, का पंजीकरण, श्रेणी **24-01** में 1.Repudi Lalitha 2. Dr. Archana S. Patil 3.Dr Pathange Bharghava Bhushan Rao 4.Manish Kumar Maity के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।


Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class **24-01** in respect of the application of such design to **FLUID TRANSFER APPARATUS FOR MEDICAL PURPOSE** in the name of 1.Repudi Lalitha 2. Dr. Archana S. Patil 3.Dr Pathange Bharghava Bhushan Rao 4.Manish Kumar Maity.

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

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

INTELLECTUAL  
PROPERTY  
INDIA

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

  
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 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।

भारत सरकार  
GOVERNMENT OF INDIA  
पेटेंट कार्यालय  
THE PATENT OFFICE

## CERTIFICATE OF REGISTRATION OF DESIGN

Design No. 363026-001  
Date 23/04/2022 19:25:19  
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 PHARMACOLOGICAL APPARATUS TO DETERMINE THE LEARNING MEMORY BEHAVIOR OF RAT in the name of 1. DR. KUMARASWAMY GANDLA, PROFESSOR & HOD, DEPARTMENT OF PHARMACY, CHAITANYA DEEMED TO BE UNIVERSITY, HANAMKONDA (DIST.) 506001; TELANGANA, INDIA. 2. DR. V. LALITHA, ASSOCIATE PROFESSOR, DEPARTMENT OF PHARMACOLOGY, NANDHA COLLEGE OF PHARMACY, PERUNDURAI ROAD, ERODE - 638 052 TAMILNADU 3. BRIJMOHAN SHARMA, ASSOCIATE PROFESSOR, BHARAT INSTITUTE OF TECHNOLOGY, PARTAPUR BY PASS ROAD, MEERUT-250103, UTTAR PRADESH, INDIA. 4. DR. M. LAKSHMI SUREKHA, PROFESSOR, DEPARTMENT OF PHARMACY, AM REDDY MEMORIAL COLLEGE OF PHARMACY, NARASARAOPET, GUNTUR, ANDHRA PRADESH -522601, INDIA., ET AL.

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

Controller General of Patents, Designs and Trade Marks

\*The reciprocity date (if any) which has been allowed and the name of the country.  
Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years.  
This Certificate is not for use in legal proceedings or for obtaining registration abroad

SAURABH KUMAR JAIN,  
SEMANIP, F-440, DELTA-1, GREATER NOIDA, UP  
201310 INDIA

Date of Issue 18/10/2022 16:46:37



ORIGINAL

मूल/No : 126854



भारत सरकार  
GOVERNMENT OF INDIA  
पेटेंट कार्यालय  
THE PATENT OFFICE

डिजाइन के पंजीकरण का प्रमाणपत्र  
CERTIFICATE OF REGISTRATION OF DESIGN

डिजाइन सं. / Design No. : 374382-001  
तारीख / Date : 18/11/2022  
पारस्परिकता तारीख / Reciprocity Date\* :  
देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **SINGLE PHASE PNEUMATIC AGITATOR FOR PHARMACEUTICAL** से संबंधित है, का पंजीकरण, श्रेणी 15-99 में 1.Dr. Kumaraswamy Gandla 2. Dr. M. Jagadeeswaran 3.Dr.P.Kumar Nallasivan 4.Dr. M. Lakshmi Surekha 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 **SINGLE PHASE PNEUMATIC AGITATOR FOR PHARMACEUTICAL** in the name of 1.Dr. Kumaraswamy Gandla 2. Dr. M. Jagadeeswaran 3.Dr.P.Kumar Nallasivan 4.Dr. M. Lakshmi Surekha.

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  
PROPERTY INDIA  
PATENTS | DESIGNS | TRADE MARKS  
GEOGRAPHICAL INDICATIONS

निर्गमन की तारीख/Date of Issue : 24/01/2023

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 सन्तुष्टिकार 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 कार्रवाहियों 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.



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. : 389059-001

तारीख / Date : 26/06/2023

पारस्परिकता तारीख / Reciprocity Date\* :

देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **LABORATORY APPARATUS TO PREDICT ANIMAL ACTIVITY** से संबंधित है, का पंजीकरण, श्रेणी 24-01 में 1.Dr. Sathish Amirthalingam 2. Dr. Prakash Patil 3.Dr. Sujith Thomas 4.Dr. Gajender Kumar Kumawat 5.Ms. Pooja Kumawat 6.Dr. Farhad. F. Mehta 7.Dr. Sanjay Kumar Kannaujia 8.Dr. Kiran Gerapati 9.Vinjarvarapu. L. Anusha 10.Dr. Sumalatha Gindi के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 24-01 in respect of the application of such design to **LABORATORY APPARATUS TO PREDICT ANIMAL ACTIVITY** in the name of 1.Dr. Sathish Amirthalingam 2. Dr. Prakash Patil 3.Dr. Sujith Thomas 4.Dr. Gajender Kumar Kumawat 5.Ms. Pooja Kumawat 6.Dr. Farhad. F. Mehta 7.Dr. Sanjay Kumar Kannaujia 8.Dr. Kiran Gerapati 9.Vinjarvarapu. L. Anusha 10.Dr. Sumalatha Gindi.

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.

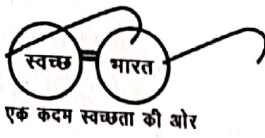
जारी करने की तिथि : 04/09/2023  
Date of Issue



महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न  
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\*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।

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एक कदम स्वच्छता की ओर



सूचना का  
अधिकार

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भारत सरकार  
मानव संसाधन विकास मंत्रालय  
उच्चतर शिक्षा विभाग  
शास्त्री भवन  
नई दिल्ली - 110 115  
GOVERNMENT OF INDIA  
MINISTRY OF HUMAN RESOURCE DEVELOPMENT  
DEPARTMENT OF HIGHER EDUCATION  
SHASTRI BHAVAN  
NEW DELHI-110 115

D.O. No.5-1/2016-UBA

Dated: 20<sup>th</sup> July, 2018

Dear District Collector,

As you may be aware, UNNAT BHARAT ABHIYAAN is a flagship programme initiated by Government of India with the objective to engage reputed Higher Educational Institutions (both central and state; public and private) to understand and work in rural areas. As of now, 750 reputed institutions have been selected on a challenge mode. With the intention of enriching rural India, these selected Institutions are expected to customise the available technologies or develop new technologies as per the local needs and also to improve the implementation of existing government programmes.

The details of the selected Higher Educational Institute(s) in your district, along with the selected 5 villages and also the contact details of Project Coordinator of the said institute(s) are attached herewith.

I request you to facilitate the works of the selected Institute(s) in the identified villages, through following interventions:

1. Facilitate meeting of Project Coordinator with all concerned stakeholders like Gram Panchayats, BDOs, District Development Authority etc.
2. Your guidance to the selected Institute(s), with regard to the needs of the district/ selected villages;
3. Mobilisation of funds from district administration or other sources to the Institute, if possible, in accordance with the activities under UBA.
4. Time to Time review under your leadership.

In this regard Secretary, Higher Education has also requested for facilitation vide D.O. No 5-1/2016-UBA dated 16-4-2018.

IIT, Delhi is the National Coordinating Institute for the implementation of Unnat Bharat Abhiyan. For any clarification, your office may contact IIT Delhi ([unnatbharatabhiyaniitd@gmail.com](mailto:unnatbharatabhiyaniitd@gmail.com)) / 011-26591157/26596451 or the undersigned.

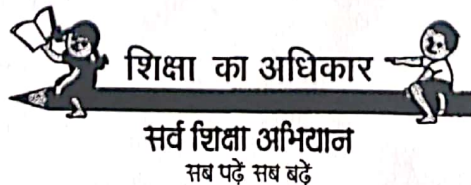
Thanking you,

Yours sincerely,

(N Saravana Kumar)

Enclosed: As above

Copy To :- Secretary, Higher Education of all States/UT's.



(12) PATENT APPLICATION PUBLICATION  
(19) INDIA  
(22) Date of filing of Application : 21/09/2021

(21) Application No. 202141042730 A

(43) Publication Date : 05/11/2021

(54) Title of the invention : A METHOD FOR PRODUCTION OF CINNARIZINE TRANSDERMAL PATCH

(51) International classification : A61K0009700000, A61K0031495000, A61L0031140000, A61K0031522000, A61K0047120000  
(86) International Application No Filing Date : PCT// 01/01/1900  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number Filing Date : NA  
(62) Divisional to Application Number Filing Date : NA

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4) Samyuktha Metta  
5) Kondapuram Parameshwar  
6) Dr. J. Rajkumar  
7) Dr. Kumaraswamy, Gandla  
8) Dr. R. Gayathri  
9) Dr. S. Muthukumar  
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(72) Name of Inventor :  
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6) Dr. J. Rajkumar  
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7) Dr. Kumaraswamy, Gandla  
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9) Dr. S. Muthukumar  
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10) Ramineni Sunitha  
Address of Applicant : AM Reddy Memorial College of pharmacy, Pethurivarpalem, Narasaraopet, Guntur, Andhra Pradesh - 522601 -----  
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(57) Abstract :  
ABSTRACT A METHOD FOR PRODUCTION OF CINNARIZINE TRANSDERMAL PATCH Cinnarizine is an antihistamine and calcium channel blocker drug that is to be introduced into the human circulatory system. Transdermal Patches are a method of drug delivery. The present disclosure relates a method (100) for production of Cinnarizine Transdermal Patch, wherein said method (100) comprises the steps of preparing (102) a solution of Cinnarizine, mixing (104) of the Cinnarizine solution to a plurality of polymers, adding (106) a solvent mixture to the mixture of Cinnarizine and polymers, setting aside (108) the solvent, Cinnarizine solution and polymer mixture, introducing (110) a plasticizer to the prepared mixture and drying (112) of the mixture. (Fig. 1 will be the reference figure)

No. of Pages : 14 No. of Claims : 6



ORIGINAL

क्रम सं/ Serial No. : 183499

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. 429586-001

तारीख / Date 06/09/2024

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो WEARABLE BIOSENSOR DEVICE FOR THERAPEUTIC DRUG MONITORING AND PERSONALISED THERAPY से संबंधित है, का पंजीकरण, श्रेणी 24-01 में 1.Dr. Asish Bhaumik 2. Dr. Runjhun Pallavi 3.Ms. Bhawna Pant 4.Mr. Muggu Murali Krishna 5.Dr. Yasrib Qurishi 6.Ms. Swati Lilhare 7.Ms. Bhagyashri D. Meshram 8.Mrs. Anamika David 9.Ms. Warad Tanuja Annarao 10.Ms. Ghodake Kajal Babruvahan के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 24-01 in respect of the application of such design to WEARABLE BIOSENSOR DEVICE FOR THERAPEUTIC DRUG MONITORING AND PERSONALISED THERAPY in the name of 1.Dr. Asish Bhaumik 2. Dr. Runjhun Pallavi 3.Ms. Bhawna Pant 4.Mr. Muggu Murali Krishna 5.Dr. Yasrib Qurishi 6.Ms. Swati Lilhare 7.Ms. Bhagyashri D. Meshram 8.Mrs. Anamika David 9.Ms. Warad Tanuja Annarao 10.Ms. Ghodake Kajal Babruvahan.

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: 25/10/2024



Signature of Controller General of Patents, Designs and Trade Marks

\*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वताधिकार 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 सकता है। 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.