



Intellectual  
Property  
Office

## Certificate of Registration for a UK Design

Design number: 6303706

Grant date: 24 August 2023

Registration date: 15 August 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

Dr. Senthil Kumar Jagatheesan, Dr. Hridayanand Singh, Rouful Alam Bhat, Ms.

Rupali Madhukar Barhate, Mr. Jagatjit Das , Ms. Vaishnavi Balu Raskar, Mr.

Swapnil Kailash Gorde, Dr. Sadhana R Shahi, Sonam Bhutia, Dr. Ankit Jain ,

Amar Kumar Maheshbhai Raval

in respect of the application of such design to:

Non-invasive device for glucose monitoring in diabetic patients

International Design Classification:

Version: 14-2023

Class: 24 MEDICAL AND LABORATORY EQUIPMENT

Subclass: 01 APPARATUS AND EQUIPMENT FOR DOCTORS, HOSPITALS  
AND LABORATORIES

**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.





Intellectual  
Property  
Office

# Certificate of Registration for a UK Design

Design number: 6300181

Grant date: 08 August 2023

Registration date: 29 July 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

Prof. (Dr.) Seema Tomar , Dr.Nasyam Mohammed Akram, Dr. Shaveta Ahalwat,

Mr. Sonu Dewaji Gathe, Dr. Thoppalada. Yunus Pasha, Ajay Kumar Verma, Dr.

Swati Gupta, Dr. Gyanranjan Mahalik, Dr. Annu Mudgal, Ms.Praneetha

Visampalli

in respect of the application of such design to:

DOUBLE DISTILLATION APPARATUS FOR SEPARATION OF ORGANIC

COMPOUNDS

International Design Classification:

Version: 14-2023

Class: 24 MEDICAL AND LABORATORY EQUIPMENT

Subclass: 02 MEDICAL INSTRUMENTS, INSTRUMENTS AND TOOLS FOR  
LABORATORY USE

**Adam Williams**

Comptroller-General of Patents, Designs and Trade Marks

Intellectual Property Office

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Intellectual  
Property  
Office

# Certificate of Registration for a UK Design

Design number: 6308140

Grant date: 13 September 2023

Registration date: 06 September 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

Mr. Kundavaram Raju, Dr. Vimal Kumar Shanmugavelu, Mr. Bhaskar Jyoti

Pathak, Mrs. Divyanshi Kothari, Dr. Mohammad Wais, Dr. Mohd Mazhar, Mr.

Azad Nabilal Dhage, Mr. Kartikey Pandey, Mr. Rakesh Meher, Mr. Shatrughna

Uttam Nagrik

in respect of the application of such design to:

Portable Device Used for Measuring cystic fibrosis through Saliva

International Design Classification:

Version: 14-2023

Class: 24 MEDICAL AND LABORATORY EQUIPMENT

Subclass: 02 MEDICAL INSTRUMENTS, INSTRUMENTS AND TOOLS FOR  
LABORATORY USE

**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.







ORIGINAL  
क्रम सं/ Serial No.: 144763



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.

392546-001

तारीख / Date

11/08/2023

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **INFRARED BASED MEDICAL DEVICE USED FOR CANCER THERAPY** से संबंधित है, का पंजीकरण, श्रेणी 24-01 में 1.Dr. Ashish Ashok Gawai 2. Dr. Sanjib Das 3.Dr. K. R. Biyani 4.Sachin Ashok Dhawale 5.Dr. Velayutham Suresh 6.Shaik.Munwar 7.Mr. Jagatjit Das 8.Dr. D. Swathi 9.Dr. Dasari Vasavi Devi 10.Ms. Rupali M. Barhate 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 **INFRARED BASED MEDICAL DEVICE USED FOR CANCER THERAPY** in the name of 1.Dr. Ashish Ashok Gawai 2. Dr. Sanjib Das 3.Dr. K. R. Biyani 4.Sachin Ashok Dhawale 5.Dr. Velayutham Suresh 6.Shaik.Munwar 7.Mr. Jagatjit Das 8.Dr. D. Swathi 9.Dr. Dasari Vasavi Devi 10.Ms. Rupali M. Barhate.

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 :  
Date of Issue 27/09/2023



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.





Intellectual  
Property  
Office

# Certificate of Registration for a UK Design

Design number: 6310504

Grant date: 23 September 2023

Registration date: 14 September 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

Prof. (Dr.) Varsha Deva, Razique Anwer, Shoeb Mustafa, Saif Ahmed, Seema

Paragannavar, Dr Chakrapani Ramesh, Dr. Soumya Jal, Binapani Barik, Dr.

Harshal Ashok Pawar, Dr Vashisth Pankajkumar Bhavsar

in respect of the application of such design to:

Device to detect anticancer activity of coumarin derivatives

International Design Classification:

Version: 14-2023

Class: 24 MEDICAL AND LABORATORY EQUIPMENT

Subclass: 01 APPARATUS AND EQUIPMENT FOR DOCTORS, HOSPITALS  
AND LABORATORIES

**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.





Intellectual  
Property  
Office

# Certificate of Registration for a UK Design

Design number: 6316607

Grant date: 10 October 2023

Registration date: 03 October 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

Mr. Abhinav Anand, Mr. Suman Kumar Mekap, Dr. Sandhya Subhadra,

Kuchibhotla Phani Sarada Praneetha , Sabita Sahoo, Satyabrata Jena, Ms.

Neelam Kumari , Dr. Daisy Sharma

in respect of the application of such design to:

**ELECTROCONVULSIOMETER APPARATUS**

International Design Classification:

Version: 14-2023

Class: 24 MEDICAL AND LABORATORY EQUIPMENT

Subclass: 01 APPARATUS AND EQUIPMENT FOR DOCTORS, HOSPITALS  
AND LABORATORIES

**Adam Williams**

Comptroller-General of Patents, Designs and Trade Marks

Intellectual Property Office

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Intellectual Property Office is an operating name of the Patent Office

[www.gov.uk/ipo](http://www.gov.uk/ipo)





ORIGINAL  
क्रम सं/ Serial No.: 148668



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.

393699-001

तारीख / Date

25/08/2023

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **DEVICE FOR INSTANT ESTIMATION OF GLYCERATED HAEMOGLOBIN FOR DIABETIC PATIENTS** से संबंधित है, का पंजीकरण, श्रेणी 24-01 में 1.Dr. Fahima Dilnawaz 2. Dr. Jayesh Vasudeo Musale 3.Dr. Meena Kumari Yadav 4.Dr. Sadhana Raut 5.Vandana Shashikant Patil 6.Sonali Raut 7.Dillan Kumar 8.Piyush Seth 9.Subham Kumar 10.Dr. Avish Dwarkadas Maru 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 **DEVICE FOR INSTANT ESTIMATION OF GLYCERATED HAEMOGLOBIN FOR DIABETIC PATIENTS** in the name of 1.Dr. Fahima Dilnawaz 2. Dr. Jayesh Vasudeo Musale 3.Dr. Meena Kumari Yadav 4.Dr. Sadhana Raut 5.Vandana Shashikant Patil 6.Sonali Raut 7.Dillan Kumar 8.Piyush Seth 9.Subham Kumar 10.Dr. Avish Dwarkadas Maru.

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.

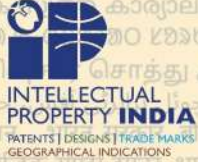
जारी करने की तिथि :  
Date of Issue : 16/11/2023



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.





ORIGINAL  
क्रम सं/ Serial No.: 144858



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.

392900-001

तारीख / Date

17/08/2023

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **INFRARED TRACKING LIGHT USED FOR CANCER THERAPY** से संबंधित है, का पंजीकरण, श्रेणी 24-01 में 1.Dr. Imran Ataurrahman Sheikh 2. Mrs. Sarbani Biswas Das 3.Mr. Vishwadeepak Kimothi 4.Dr. Sharmistha Chakraborty 5.Dr. Amit Joshi 6.Dr. Namrata Suri 7.Mr. Prachet Bagewadikar 8.Mrs. Annanya Gangopadhyay 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 **INFRARED TRACKING LIGHT USED FOR CANCER THERAPY** in the name of 1.Dr. Imran Ataurrahman Sheikh 2. Mrs. Sarbani Biswas Das 3.Mr. Vishwadeepak Kimothi 4.Dr. Sharmistha Chakraborty 5.Dr. Amit Joshi 6.Dr. Namrata Suri 7.Mr. Prachet Bagewadikar 8.Mrs. Annanya Gangopadhyay.

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 :  
Date of Issue 27/09/2023



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.





Intellectual  
Property  
Office

# Certificate of Registration for a UK Design

Design number: 6314868

Grant date: 03 October 2023

Registration date: 23 September 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

Dr. Ram Kumar Choudhary, Gireesh Tripathi, Dr. Chitra Karthikeyini Senthivel,

Dr. Om Mahadeo Bagade, Dr. Anil Ahuja, Ms. Rashmi Bagri, Dr. Vipul

Trikambhai Prajapati, Mr. Shantilal Pitaram Padhiyar, Mr. Ashish Kumar Meher,

Dr. Parag Arun Kulkarni, Dr. Tejas Babubhai Patel

in respect of the application of such design to:

Reciprocating type dissolution apparatus for Controlled release dosage forms

International Design Classification:

Version: 14-2023

Class: 24 MEDICAL AND LABORATORY EQUIPMENT

Subclass: 01 APPARATUS AND EQUIPMENT FOR DOCTORS, HOSPITALS  
AND LABORATORIES

**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.





Intellectual  
Property  
Office

# Certificate of Registration for a UK Design

Design number: 6311028

Grant date: 25 September 2023

Registration date: 18 September 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

Dr. Kumara Prasad Sonangeri Annu Rai, Dr. Senthil Rajan Dharmalingam, Dr.

Senthil Kumar Marimuthu, Dr. Saroj Yadav, Dr. Grandhi Srikar, Ms. Binapani

Barik, Sathwara Shivani Girishbhai, Dr. Tejas Babubhai Patel, Dr. Amit Ambalal

Patel, Dr. Ravish Janakbhai Patel, Dr. Naga Prashant Koppuravuri

in respect of the application of such design to:

Franz diffusion apparatus for permeability and stability studies of topical

formulations

International Design Classification:

Version: 14-2023

Class: 24 MEDICAL AND LABORATORY EQUIPMENT

Subclass: 01 APPARATUS AND EQUIPMENT FOR DOCTORS, HOSPITALS  
AND LABORATORIES

**Adam Williams**

Comptroller-General of Patents, Designs and Trade Marks

Intellectual Property Office

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Intellectual  
Property  
Office

# Certificate of Registration for a UK Design

Design number: 6309595

Grant date: 19 September 2023

Registration date: 09 September 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

Mr. Pranshul Sethi, Prof. (Dr.) Varsha Deva, Masa. Amala, Dr. Shikha Pandey,

Dr. Venkata Suresh Chinni, Dr. Shmmon Ahmad, Dr. Ghulam Md Ashraf, Dr.

Sonja Jose, Biswajeet Acharya, Dr. Prafulla Adkarpatil

in respect of the application of such design to:

AI Enabled Medical Device for Detection of Neurological Disorders

International Design Classification:

Version: 14-2023

Class: 24 MEDICAL AND LABORATORY EQUIPMENT

Subclass: 01 APPARATUS AND EQUIPMENT FOR DOCTORS, HOSPITALS  
AND LABORATORIES

**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.







ORIGINAL

क्रम सं/ Serial No.: 145901



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.

391243-001

तारीख / Date

26/07/2023

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **LABORATORY COLLOID MILL APPARATUS FOR SYNTHESIS OF NANOEMULSIONS** से संबंधित है, का पंजीकरण, श्रेणी 24-01 में 1.Alka Lohani 2. Srashti Katiyar 3.Jeevan Chandra Pandey 4.Shweta Mishra 5.Dr. V. Sivakumar 6.Dr. Nimbagal Raghavendra Naveen 7.Ratnakar Cherukupally 8.Dr. Sudhamani Thangavel 9.Gnyana Ranjan Parida 10.Dr. Sarad Pawar Naik Bukke 11.Dr. Manchineni Prasada Rao 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 COLLOID MILL APPARATUS FOR SYNTHESIS OF NANOEMULSIONS** in the name of 1.Alka Lohani 2. Srashti Katiyar 3.Jeevan Chandra Pandey 4.Shweta Mishra 5.Dr. V. Sivakumar 6.Dr. Nimbagal Raghavendra Naveen 7.Ratnakar Cherukupally 8.Dr. Sudhamani Thangavel 9.Gnyana Ranjan Parida 10.Dr. Sarad Pawar Naik Bukke 11.Dr. Manchineni Prasada Rao.

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 :  
Date of Issue : 12/10/2023



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.





Intellectual  
Property  
Office

# Certificate of Registration for a UK Design

Design number: 6326159

Grant date: 23 November 2023

Registration date: 15 November 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

Dr Seelam Ramya Krishna, Mr. Pund Amol Rajendra, Prof. Abhijit Anil Gaikwad,

Dr. R.C Mishra, Dr. Barrawaz Aateka Yahya, Mr. Ladi Alik Kumar, Mr. Dheeraj,

Mr. Yogendra, Ms. Priya Sharma, Dr. Imran Ataurrahman Sheikh

in respect of the application of such design to:

Apparatus use to Separate Protein as Per Molecular Size

International Design Classification:

Version: 14-2023

Class: 24 MEDICAL AND LABORATORY EQUIPMENT

Subclass: 02 MEDICAL INSTRUMENTS, INSTRUMENTS AND TOOLS FOR  
LABORATORY USE

**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.





Intellectual  
Property  
Office

# Certificate of Registration for a UK Design

Design number: 6319522

Grant date: 24 October 2023

Registration date: 17 October 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

Dr. Amer Ahmed Syed, Mr. Mahesh Kumar Yadav, Mr. Amit Rajendrakumar

Jaiswal, Mr. Alok Bihari Das, Dr. Calvin Ronchen Wei, Dr. Shahrukh Irfan, Mr.

Satish Siripini, Dr. Ladli Kishore, Dr. Deepak Sharma, Mr. Nageswar Panda

in respect of the application of such design to:

MEDICAL DEVICE FOR FACILITATING REMOTE MEDICAL EXAMINATION

International Design Classification:

Version: 14-2023

Class: 24 MEDICAL AND LABORATORY EQUIPMENT

Subclass: 01 APPARATUS AND EQUIPMENT FOR DOCTORS, HOSPITALS  
AND LABORATORIES

**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.







Intellectual  
Property  
Office

# Certificate of Registration for a UK Design

Design number: 6293410

Grant date: 10 July 2023

Registration date: 30 June 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

Dr. Lavanya Yaidikar, Dr. Palayyan Muralidharan, Mr. Shashikant Sudarshan

Upadhye, Dr. Damarasingu Prasanth, Dr. Sanjeshkumar Gotam rathi, Dr.

Maulikkumar Dineshbhai Vaja, Mr. Abhishek Shrivastava, Dr. Sagar Pamu,

Patel Mineshkumar Ashvinkumar, Heenaben Abhishek Chokshi

in respect of the application of such design to:

T- Maze device for Detection of Locomotor activity in animals

International Design Classification:

Version: 14-2023

Class: 30 ARTICLES FOR THE CARE AND HANDLING OF ANIMALS

Subclass: 02 PENS, CAGES, KENNELS AND SIMILAR SHELTERS

**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.





Intellectual  
Property  
Office

# Certificate of Registration for a UK Design

Design number: 6323558

Grant date: 14 November 2023

Registration date: 03 November 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

Mr. Kundavaram Raju, Dr. Kolanpaka Blessi Priyanka, Mr. Shubham Maroti

Shende, Ms. Nidhi Saxena, Mr. Sanjeeb Kumar Sahoo, Ms. Shadma Wahab, Dr.

Chetan Ram, Mr. Mandhare Shubham Bhausahab, Dr. Manoj Prabhakar

Shirbhate, Mrs. Sarbani Biswas Das

in respect of the application of such design to:

Fully Automatic Centrifuge Machine used for Phase Separation

International Design Classification:

Version: 14-2023

Class: 24 MEDICAL AND LABORATORY EQUIPMENT

Subclass: 01 APPARATUS AND EQUIPMENT FOR DOCTORS, HOSPITALS  
AND LABORATORIES

**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.







ORIGINAL

क्रम सं/ Serial No.: 153677



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.

398800-001

तारीख / Date

30/10/2023

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **DEVICE FOR DETECTION OF ACTIVE**

**CONSTITUENTS FROM MEDICINAL PLANTS** से संबंधित है, का पंजीकरण, श्रेणी 10-05 में 1.Neha Verma 2. Dr Snehal Chakorkar 3.Nigar Kadar Mujawar 4.Manvi Singh 5.Dr Mithun Maniyar 6.Dr Himansu Bhusan Samal 7.Revati Tatyasaheb Deore 8.Dr Nitin Narayan Hire 9.Rekha Pathak 10.Anand Kumar 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 10-05 in respect of the application of such design to **DEVICE FOR DETECTION OF ACTIVE CONSTITUENTS FROM MEDICINAL PLANTS** in the name of 1.Neha Verma 2. Dr Snehal Chakorkar 3.Nigar Kadar Mujawar 4.Manvi Singh 5.Dr Mithun Maniyar 6.Dr Himansu Bhusan Samal 7.Revati Tatyasaheb Deore 8.Dr Nitin Narayan Hire 9.Rekha Pathak 10.Anand Kumar.

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 : 15/01/2024  
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.





ORIGINAL

क्रम सं/ Serial No.: 154145



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.

399997-001

तारीख / Date

15/11/2023

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **PORTABLE TABLET SPRAY DRYING APPARATUS** से संबंधित है, का पंजीकरण, श्रेणी 15-99 में 1.Neha Verma 2. Nitin Rajan 3.Dr. Mallela Vijaya Jyothi 4.Dr Indrajeet Singhvi 5.Mukesh Tiwari 6.Jagatjit Das 7.Rojalika Mohanty 8.Dr. Himansu Bhusan Samal 9.Dr Rajesh Singh Jadon 10.Dr.Himanshu Kanubhai Solanki 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 **PORTABLE TABLET SPRAY DRYING APPARATUS** in the name of 1.Neha Verma 2. Nitin Rajan 3.Dr. Mallela Vijaya Jyothi 4.Dr Indrajeet Singhvi 5.Mukesh Tiwari 6.Jagatjit Das 7.Rojalika Mohanty 8.Dr. Himansu Bhusan Samal 9.Dr Rajesh Singh Jadon 10.Dr.Himanshu Kanubhai Solanki.

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 : 19/01/2024  
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.





Intellectual  
Property  
Office

## Certificate of Registration for a UK Design

Design number: 6328844

Grant date: 01 December 2023

Registration date: 25 November 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

Dr . MALMARUGAN DEVANATHAN, Dr. JIWAN PREMCHAND LAVANDE, Dr .

MANOJ ANANDAKUMARI SANKARAN, Dr. SIVANAGIREDDY KALLI, Dr.

GOUTAM KUMAR MAHATO, Ms. MANO PRIYA VIJAYAN, Dr. SUBASHINI

SELVARAJ PREMKUMAR, Dr. KANNAN VELLINGIRI

in respect of the application of such design to:

MEDICAL DEVICE FOR MEASURING BODILY FLUID IN NEONATES

International Design Classification:

Version: 14-2023

Class: 24 MEDICAL AND LABORATORY EQUIPMENT

Subclass: 01 APPARATUS AND EQUIPMENT FOR DOCTORS, HOSPITALS  
AND LABORATORIES

**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.





Intellectual  
Property  
Office

# Certificate of Registration for a UK Design

Design number: 6305305

Grant date: 04 September 2023

Registration date: 24 August 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

Ms. Meenakshi Attri, Dr. Neetu Sharma, Ms. Swati Mehta, Dr. Nida Abdulrashid

Patel, Ms. Supneet Kour, Ms. Bhumika Kapoor, Shesh Narayan Kumawat, Prof.

Nimay Chandra Giri

in respect of the application of such design to:

AGRICULTURAL DRONE FOR CROP HEALTH MONITORING

International Design Classification:

Version: 14-2023

Class: 12 MEANS OF TRANSPORT OR HOISTING

Subclass: 07 AIRCRAFT AND SPACE VEHICLES

**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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[www.gov.uk/ipo](http://www.gov.uk/ipo)





Intellectual  
Property  
Office

# Certificate of Registration for a UK Design

Design number: 6305801

Grant date: 07 September 2023

Registration date: 25 August 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

Dr. Sivarami Reddy Narapureddy, Prof. Nimay Chandra Giri, Dr. Padma Lalitha

Mareddy, Dr. Hemakesavulu Oruganti, Dr. Gopi Pasala, Dr. Suneetha Irala, Mr.

Sreeramula Reddy Nandyala, Dr. Cristina Efremov

in respect of the application of such design to:

AGRICULTURE DRONE FOR MONITORING AND SPRAYING PESTICIDES

International Design Classification:

Version: 14-2023

Class: 12 MEANS OF TRANSPORT OR HOISTING

Subclass: 07 AIRCRAFT AND SPACE VEHICLES

**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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[www.gov.uk/ipo](http://www.gov.uk/ipo)





ORIGINAL  
क्रम सं/ Serial No.: 145622



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.

394136-001

तारीख / Date

31/08/2023

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **HOT AIR ASSISTED INFRARED HYBRID DRYER** से संबंधित है, का पंजीकरण, श्रेणी 15-05 में 1.Dr. Gitanjali Behera 2. Dr. Bhukya Jithender 3.Ms. Shreedatta Satapathy 4.Ms. Swatalinatripathy 5.Ms. Soumya Sucharita Giri 6.Ms. Mimansa Dasmal 7.Mr. Debjit Maity 8.Mr. Ranit Sarkar 9.Prof. Nimay Chandra Giri 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 15-05 in respect of the application of such design to **HOT AIR ASSISTED INFRARED HYBRID DRYER** in the name of 1.Dr. Gitanjali Behera 2. Dr. Bhukya Jithender 3.Ms. Shreedatta Satapathy 4.Ms. Swatalinatripathy 5.Ms. Soumya Sucharita Giri 6.Ms. Mimansa Dasmal 7.Mr. Debjit Maity 8.Mr. Ranit Sarkar 9.Prof. Nimay Chandra Giri.

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 :  
Date of Issue : 12/10/2023



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.





ORIGINAL

क्रम सं/ Serial No.: 149915



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. : 396462-001

तारीख / Date : 03/10/2023

पारस्परिकता तारीख / Reciprocity Date\* :

देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **AGRICULTURAL FERTILIZER SPREADER MACHINE** से संबंधित है, का पंजीकरण, श्रेणी 15-03 में 1.Ms. Swati Mehta 2. Ms. Supneet Kaur 3.Ms. Meenakshi Attri 4.Dr. Deepak Kumar 5.Dr.Ranjeet Singh Bochalya 6.Mr. Arjun Singh 7.Mr. Bhim Singh 8.Prof. Nimay Chandra Giri 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 15-03 in respect of the application of such design to **AGRICULTURAL FERTILIZER SPREADER MACHINE** in the name of 1.Ms. Swati Mehta 2. Ms. Supneet Kaur 3.Ms. Meenakshi Attri 4.Dr. Deepak Kumar 5.Dr.Ranjeet Singh Bochalya 6.Mr. Arjun Singh 7.Mr. Bhim Singh 8.Prof. Nimay Chandra Giri.

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 : 08/12/2023  
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.





Intellectual  
Property  
Office

# Certificate of Registration for a UK Design

Design number: 6317640

Grant date: 12 October 2023

Registration date: 07 October 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

Dr. Satyasis Mishra, Dr. Pradip Kumar Prusty, Mr. Debeet Pramanik, Dr.

Subhashree Mohapatra, Dr. Srikanta Mohapatra, Mr. Debanksh Guha, Mr.

Akshat Jain, Mr. Arnab Kar, Mr. Bishnu Prasad Sahu

in respect of the application of such design to:

ARTIFICIAL INTELLIGENCE BASED NERVE ACTIVATION DEVICE FOR  
HEALTHCARE TREATMENT

International Design Classification:

Version: 14-2023

Class: 24 MEDICAL AND LABORATORY EQUIPMENT

Subclass: 01 APPARATUS AND EQUIPMENT FOR DOCTORS, HOSPITALS  
AND LABORATORIES

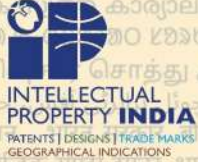
**Adam Williams**

Comptroller-General of Patents, Designs and Trade Marks  
Intellectual Property Office

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







ORIGINAL  
क्रम सं/ Serial No. : 145190



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.

392036-001

तारीख / Date

06/08/2023

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **ARTIFICIAL INTELLIGENCE DIETICIAN** से संबंधित है, का पंजीकरण, श्रेणी 24-02 में 1.Dr. Jobin Varghese 2. Dr P Sampath 3.Dr . Manoj As 4.Dr. Shahanawaj Ahamad 5.Dr. Sasmita Kumari Nayak 6.Dr. N.V.S.Natteshan 7.Mr. R.A. Manoj Kumar 8.Dr. V.Kannan 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 24-02 in respect of the application of such design to **ARTIFICIAL INTELLIGENCE DIETICIAN** in the name of 1.Dr. Jobin Varghese 2. Dr P Sampath 3.Dr . Manoj As 4.Dr. Shahanawaj Ahamad 5.Dr. Sasmita Kumari Nayak 6.Dr. N.V.S.Natteshan 7.Mr. R.A. Manoj Kumar 8.Dr. V.Kannan.

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 :  
Date of Issue 05/10/2023



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.





INTELLECTUAL  
PROPERTY INDIA  
PATENT (DESIGNS) MARKS AND  
GEOGRAPHICAL INDICATIONS



सत्यमेव जयते

ORIGINAL

क्रम सं/ Serial No. : 149820



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. : 398816-001

तारीख / Date : 30/10/2023

पारस्परिकता तारीख / Reciprocity Date\* :

देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **PLANT ENERGY HARVESTING DEVICE** से संबंधित है, का पंजीकरण, श्रेणी 13-01 में 1.Dr. Swapnil 2. Dr. Digvijay Singh 3.Dr. Vangapandu Thriveni 4.Dr. Jagadeesha Mulagund 5.Dr. J. Surendar 6.Ms. Kowsalya K B 7.Er. Pramod Kumar 8.Prof. S. Eswara Reddy 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 13-01 in respect of the application of such design to **PLANT ENERGY HARVESTING DEVICE** in the name of 1.Dr. Swapnil 2. Dr. Digvijay Singh 3.Dr. Vangapandu Thriveni 4.Dr. Jagadeesha Mulagund 5.Dr. J. Surendar 6.Ms. Kowsalya K B 7.Er. Pramod Kumar 8.Prof. S. Eswara Reddy.

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 : 08/12/2023  
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.





ORIGINAL  
क्रम सं/ Serial No.: 1502268



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.

397641-001

तारीख / Date

14/10/2023

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **PESTICIDE DETECTION KNIFE FOR FRUITS** से संबंधित है, का पंजीकरण, श्रेणी 10-05 में 1.Dr. Vangapandu Thriveni 2. Dr. Swapnil 3.Dr. Digvijay Singh 4.Dr. Koustava Kumar Panda 5.Dr. S.P. Nanda 6.Dr. Ravi Kumar Kuna 7.Dr. Karthik Parmanik 8.Prof. M Subba Rao 9.Pamukuntla Mahesh 10.Prof. S. Eswara Reddy 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 10-05 in respect of the application of such design to **PESTICIDE DETECTION KNIFE FOR FRUITS** in the name of 1.Dr. Vangapandu Thriveni 2. Dr. Swapnil 3.Dr. Digvijay Singh 4.Dr. Koustava Kumar Panda 5.Dr. S.P. Nanda 6.Dr. Ravi Kumar Kuna 7.Dr. Karthik Parmanik 8.Prof. M Subba Rao 9.Pamukuntla Mahesh 10.Prof. S. Eswara Reddy.

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 :  
Date of Issue 14/12/2023

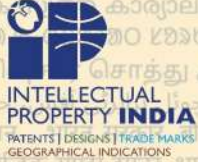


महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न  
Controller General of Patents, Designs and Trade Marks

\*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.





ORIGINAL  
क्रम सं/ Serial No.: 150794



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.

398238-001

तारीख / Date

22/10/2023

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **SMART SYSTEM FOR CHARGING ELECTRIC VEHICLE** से संबंधित है, का पंजीकरण, श्रेणी 13-02 में 1.Dr. Sudhansu Kumar Samal 2. B Neeraja 3.Samraat Sharma 4.Dr. P Arularasan 5.Dr. Vijaykumar S Biradar 6.M.Vijetha 7.Dr. Ram Bajaj 8.Prashanta Kumar Dehury 9.Muneeb Ahmad 10.Dr. Pooja Nagpal 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 **SMART SYSTEM FOR CHARGING ELECTRIC VEHICLE** in the name of 1.Dr. Sudhansu Kumar Samal 2. B Neeraja 3.Samraat Sharma 4.Dr. P Arularasan 5.Dr. Vijaykumar S Biradar 6.M.Vijetha 7.Dr. Ram Bajaj 8.Prashanta Kumar Dehury 9.Muneeb Ahmad 10.Dr. Pooja Nagpal.

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 :  
Date of Issue 22/12/2023



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।

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.



ORIGINAL

क्रम सं/ Serial No.: 156410



सत्यमेव जयते

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. 401525-001

तारीख / Date 06/12/2023

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **PORTABLE STEVIA HARVEST ANALYSING DEVICE** से संबंधित है, का पंजीकरण, श्रेणी 15-03 में 1.Dr. S. Eswara Reddy 2. Dr. Vangapandu Thriveni 3.Dr. S.P. Nanda 4.Dr. M. Devender Reddy 5.Dr. Swapnil 6.Dr. Digvijay Singh 7.Er. Pramod Kumar 8.Dr. Ashutosh Kumar 9.Dr. Achal Kant 10.Dr. Sumit Pal 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 15-03 in respect of the application of such design to **PORTABLE STEVIA HARVEST ANALYSING DEVICE** in the name of 1.Dr. S. Eswara Reddy 2. Dr. Vangapandu Thriveni 3.Dr. S.P. Nanda 4.Dr. M. Devender Reddy 5.Dr. Swapnil 6.Dr. Digvijay Singh 7.Er. Pramod Kumar 8.Dr. Ashutosh Kumar 9.Dr. Achal Kant 10.Dr. Sumit Pal.

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 :  
Date of Issue

09/02/2024



महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न

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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.





ORIGINAL

क्रम सं/ Serial No. : 156845



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.

403492-001

तारीख / Date

29/12/2023

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **MICROWAVE BASED EQUIPMENT SYNTHESIS OF CHEMICAL COMPOUNDS** से संबंधित है, का पंजीकरण, श्रेणी 24-02 में 1.Dr. Smt. Preeti Gajendra Karade 2. Dr. Senthil Kumar Raju 3.P.S Minhas 4.Dr. G. Muthubhupathi 5.Prof. (Dr.) Varsha Deva 6.Dr. Chinnasamy Balalakshmi 7.Dhanashree Rajkumar Karade 8.Dr. Brijesh Shivhare 9.Mr.Sumit Atmaram Shinde 10.Dr. Sanjay Kumar Yadav 11.Dr. Himansu Bhusan Samal 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 24-02 in respect of the application of such design to **MICROWAVE BASED EQUIPMENT SYNTHESIS OF CHEMICAL COMPOUNDS** in the name of 1.Dr. Smt. Preeti Gajendra Karade 2. Dr. Senthil Kumar Raju 3.P.S Minhas 4.Dr. G. Muthubhupathi 5.Prof. (Dr.) Varsha Deva 6.Dr. Chinnasamy Balalakshmi 7.Dhanashree Rajkumar Karade 8.Dr. Brijesh Shivhare 9.Mr.Sumit Atmaram Shinde 10.Dr. Sanjay Kumar Yadav 11.Dr. Himansu Bhusan Samal.

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 :

Date of Issue

12/02/2024



कुलत की पंक्ति

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.





ORIGINAL

क्रम सं/ Serial No. : 153612



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.

400479-001

तारीख / Date

22/11/2023

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **PRECISION FARMING DEVICE** से संबंधित है, का पंजीकरण, श्रेणी 15-03 में 1.Mr. Anil Kumar Jonnalagadda 2. Dr. Vangapandu Thriveni 3.Prof. N. Venugopala Rao 4.Dr. Korla Harshavardhan 5.Dr. Parle Kalyan Chakravarthy 6.Dr. S. Bhargav Kiran 7.Dr. Goutam B. Hosamani 8.Dr. M Sv Satyanarayana 9.Dr. N. Jhansirani 10.Prof. S. Eswara Reddy 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 15-03 in respect of the application of such design to **PRECISION FARMING DEVICE** in the name of 1.Mr. Anil Kumar Jonnalagadda 2. Dr. Vangapandu Thriveni 3.Prof. N. Venugopala Rao 4.Dr. Korla Harshavardhan 5.Dr. Parle Kalyan Chakravarthy 6.Dr. S. Bhargav Kiran 7.Dr. Goutam B. Hosamani 8.Dr. M Sv Satyanarayana 9.Dr. N. Jhansirani 10.Prof. S. Eswara Reddy.

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 :  
Date of Issue

15/01/2024

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 स्वत्वधिकार 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.





Intellectual  
Property  
Office

# Certificate of Registration for a UK Design

Design number: 6303706

Grant date: 24 August 2023

Registration date: 15 August 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

Dr. Senthil Kumar Jagatheesan, Dr. Hridayanand Singh, Rouful Alam Bhat, Ms.

Rupali Madhukar Barhate, Mr. Jagatjit Das , Ms. Vaishnavi Balu Raskar, Mr.

Swapnil Kailash Gorde, Dr. Sadhana R Shahi, Sonam Bhutia, Dr. Ankit Jain ,

Amar Kumar Maheshbhai Raval

in respect of the application of such design to:

Non-invasive device for glucose monitoring in diabetic patients

International Design Classification:

Version: 14-2023

Class: 24 MEDICAL AND LABORATORY EQUIPMENT

Subclass: 01 APPARATUS AND EQUIPMENT FOR DOCTORS, HOSPITALS  
AND LABORATORIES

**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.







ORIGINAL

क्रम सं/ Serial No. : 140510



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.

383997-001

तारीख / Date

15/04/2023

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **IOT BASED SOLAR POWERED AGRICULTURE ROBOT** से संबंधित है, का पंजीकरण, श्रेणी 15-03 में 1.Ms.Sima Das 2. Dr.Tanmay Kumar Behera 3.Prof.Monojit Manna 4.Prof.Mohammad Ashique Azad 5.Prof. Subrata Modak, 6.Prof. Lab Kumar Mudi 7.Dr.Soumya Ranjan Das 8.Prof.Rabindranath Sahu 9.Dr.Nimay Chandra Giri 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 15-03 in respect of the application of such design to **IOT BASED SOLAR POWERED AGRICULTURE ROBOT** in the name of 1.Ms.Sima Das 2. Dr.Tanmay Kumar Behera 3.Prof.Monojit Manna 4.Prof.Mohammad Ashique Azad 5.Prof. Subrata Modak, 6.Prof. Lab Kumar Mudi 7.Dr.Soumya Ranjan Das 8.Prof.Rabindranath Sahu 9.Dr.Nimay Chandra Giri.

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 :  
Date of Issue 13/07/2023



*(Signature)*

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

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

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





ORIGINAL

क्रम सं/ Serial No. : 141282



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.

387327-001

तारीख / Date

31/05/2023

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **SOLAR PANEL FOR AGRICULTURE ACTIVITIES** से संबंधित है, का पंजीकरण, श्रेणी 13-04 में 1.Ms.Meenakshi Attri 2. Dr.Rubby Sandhu 3.Dr. Sandeep Kumar Bangarwa 4.Dr. Ravindra Kumar 5.Dr. Ashish Sheera 6.Ms.Qurat-Ul-Ain-Aga 7.Ms.Renuka 8.Mr.Hritik Srivastava 9.Dr.Nimay Chandra Giri 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 13-04 in respect of the application of such design to **SOLAR PANEL FOR AGRICULTURE ACTIVITIES** in the name of 1.Ms.Meenakshi Attri 2. Dr.Rubby Sandhu 3.Dr. Sandeep Kumar Bangarwa 4.Dr. Ravindra Kumar 5.Dr. Ashish Sheera 6.Ms.Qurat-Ul-Ain-Aga 7.Ms.Renuka 8.Mr.Hritik Srivastava 9.Dr.Nimay Chandra Giri.

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 :  
Date of Issue 26/07/2023



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.





Intellectual  
Property  
Office

# Certificate of Registration for a UK Design

Design number: 6296629

Grant date: 22 July 2023

Registration date: 14 July 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

Dr. Pranab Mohapatra, Dr. Jayanti Mishra, Prof. Sucheta Priyabadini, Prof.

Shradha Padhi, Dr. Rupsa Mohapatra, Dr. Garima Dhankhar, Dr. Rupali Atul

Mahajan, Dr. Neha Gupta, Dr. Trapti Agarwal, Vandana Dabass, Dr. Jolly Masih,

Dr. Tanu Singh

in respect of the application of such design to:

A Novel Mental Health Survey Device

International Design Classification:

Version: 14-2023

Class: 14 RECORDING, TELECOMMUNICATION OR DATA PROCESSING  
EQUIPMENT

Subclass: 02 DATA PROCESSING EQUIPMENT AS WELL AS PERIPHERAL  
APPARATUS AND DEVICES

**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.







Intellectual  
Property  
Office

# Certificate of Registration for a UK Design

Design number: 6315163

Grant date: 04 October 2023

Registration date: 26 September 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

Dr. Susanta Kumar Biswal, Dr. Ashish Kumar Sahoo, Mr. Prakash Kumar Sahoo,

Mr. Prasanta Kumar Mishra

in respect of the application of such design to:

BIOGAS LEAKAGE DETECTING DEVICE

International Design Classification:

Version: 14-2023

Class: 10 CLOCKS AND WATCHES AND OTHER MEASURING  
INSTRUMENTS, CHECKING AND SIGNALLING INSTRUMENTS

Subclass: 05 INSTRUMENTS, APPARATUS AND DEVICES FOR CHECKING,  
SECURITY OR TESTING

**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.



Intellectual Property Office is an operating name of the Patent Office

[www.gov.uk/ipo](http://www.gov.uk/ipo)





Intellectual  
Property  
Office

# Certificate of Registration for a UK Design

Design number: 6307009

Grant date: 09 September 2023

Registration date: 01 September 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

Dr.Ashish Kumar Sarangi, Dr.Himansu Bhusan Samal, Dr.Fahima Dilnawaz,

Dr.Kalpita Bhatta

in respect of the application of such design to:

Laparoscopic Instruments

International Design Classification:

Version: 14-2023

Class: 24 MEDICAL AND LABORATORY EQUIPMENT

Subclass: 02 MEDICAL INSTRUMENTS, INSTRUMENTS AND TOOLS FOR  
LABORATORY USE

## 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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[www.gov.uk/ipo](http://www.gov.uk/ipo)





Intellectual  
Property  
Office

# Certificate of Registration for a UK Design

Design number: 6305305

Grant date: 04 September 2023

Registration date: 24 August 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

Ms. Meenakshi Attri, Dr. Neetu Sharma, Ms. Swati Mehta, Dr. Nida Abdulrashid

Patel, Ms. Supneet Kour, Ms. Bhumika Kapoor, Shesh Narayan Kumawat, Prof.

Nimay Chandra Giri

in respect of the application of such design to:

AGRICULTURAL DRONE FOR CROP HEALTH MONITORING

International Design Classification:

Version: 14-2023

Class: 12 MEANS OF TRANSPORT OR HOISTING

Subclass: 07 AIRCRAFT AND SPACE VEHICLES

**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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Intellectual  
Property  
Office

## Certificate of Registration for a UK Design

Design number: 6305801

Grant date: 07 September 2023

Registration date: 25 August 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

Dr. Sivarami Reddy Narapureddy, Prof. Nimay Chandra Giri, Dr. Padma Lalitha

Mareddy, Dr. Hemakesavulu Oruganti, Dr. Gopi Pasala, Dr. Suneetha Irala, Mr.

Sreeramula Reddy Nandyala, Dr. Cristina Efremov

in respect of the application of such design to:

AGRICULTURE DRONE FOR MONITORING AND SPRAYING PESTICIDES

International Design Classification:

Version: 14-2023

Class: 12 MEANS OF TRANSPORT OR HOISTING

Subclass: 07 AIRCRAFT AND SPACE VEHICLES

### **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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[www.gov.uk/ipo](http://www.gov.uk/ipo)





ORIGINAL

क्रम सं/ Serial No. : 143649



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.

388845-001

तारीख / Date

22/06/2023

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **SOLAR POWERED DEVICE TO TRACK NUTRIENTS IN AGRI**

**WATER** से संबंधित है, का पंजीकरण, श्रेणी 10-05 में 1.Dr.Bijaya Bijeta Nayak 2. Dr. Shiv Sankar Das 3.Ms. Debashree Debadatta Behera 4.Dr.Akankshya Patnaik 5.Dr.Kshitish Kumar Khuntia 6.Mr. Satya Prakash Lenka 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 10-05 in respect of the application of such design to **SOLAR POWERED DEVICE TO TRACK NUTRIENTS IN AGRI**

**WATER** in the name of 1.Dr.Bijaya Bijeta Nayak 2. Dr. Shiv Sankar Das 3.Ms. Debashree Debadatta Behera 4.Dr.Akankshya Patnaik 5.Dr.Kshitish Kumar Khuntia 6.Mr. Satya Prakash Lenka.

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 :  
Date of Issue 12/09/2023



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.





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



Application Details	
APPLICATION NUMBER	202331052119
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	03/08/2023
APPLICANT NAME	1 . Dr. Mamata Garanayak 2 . Dr. Monalisha Panda 3 . Mr. Suvendu Kumar Nayak 4 . Madhusmita Sahu 5 . Smita Mohanty 6 . Mitrabinda Khuntia 7 . Bhubaneswar 8 . Dr. Shreela Dash 9 . Dr. Bijay Kumar Paikaray 10 . Dr. Parimal Kumar Giri
TITLE OF INVENTION	A DESIGN SCIENCE RESEARCH PROCESS (DSRP) MODEL-RELIED E-LEARNING HYBRID RECOMMENDATION SYSTEM
FIELD OF INVENTION	ELECTRONICS
E-MAIL (As Per Record)	dr.bksarkar2003@yahoo.in
ADDITIONAL-EMAIL (As Per Record)	dr.bksarkar2003@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	13/10/2023





ORIGINAL

क्रम सं/ Serial No. : 148668



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.

393699-001

तारीख / Date

25/08/2023

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **DEVICE FOR INSTANT ESTIMATION OF GLYCERATED HAEMOGLOBIN FOR DIABETIC PATIENTS** से संबंधित है, का पंजीकरण, श्रेणी 24-01 में 1.Dr. Fahima Dilnawaz 2. Dr. Jayesh Vasudeo Musale 3.Dr. Meena Kumari Yadav 4.Dr. Sadhana Raut 5.Vandana Shashikant Patil 6.Sonali Raut 7.Dillan Kumar 8.Piyush Seth 9.Subham Kumar 10.Dr. Avish Dwarkadas Maru 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 **DEVICE FOR INSTANT ESTIMATION OF GLYCERATED HAEMOGLOBIN FOR DIABETIC PATIENTS** in the name of 1.Dr. Fahima Dilnawaz 2. Dr. Jayesh Vasudeo Musale 3.Dr. Meena Kumari Yadav 4.Dr. Sadhana Raut 5.Vandana Shashikant Patil 6.Sonali Raut 7.Dillan Kumar 8.Piyush Seth 9.Subham Kumar 10.Dr. Avish Dwarkadas Maru.

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 :  
Date of Issue : 16/11/2023



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.





ORIGINAL  
क्रम सं/ Serial No.: 149718



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.

381143-001

तारीख / Date

09/03/2023

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **WEARABLE TEXTILE ANTENNA FOR TELEMEDICINE APPLICATION** से संबंधित है, का पंजीकरण, श्रेणी 14-03 में 1.Dr. Sasmita Pahadsingh 2. Dr. Upali Aparajita Dash 3.Dr. Tejaswini Kar 4.Dr. Sraddhanjali Mohapatra 5.Dr. Lizina Khatua 6.Prof. Wishard La Vincent Barreto 7.Prof. Manisha Panda 8.Prof. Sangram Kishore Routray 9.Dr. Nimay Chandra Giri 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 14-03 in respect of the application of such design to **WEARABLE TEXTILE ANTENNA FOR TELEMEDICINE APPLICATION** in the name of 1.Dr. Sasmita Pahadsingh 2. Dr. Upali Aparajita Dash 3.Dr. Tejaswini Kar 4.Dr. Sraddhanjali Mohapatra 5.Dr. Lizina Khatua 6.Prof. Wishard La Vincent Barreto 7.Prof. Manisha Panda 8.Prof. Sangram Kishore Routray 9.Dr. Nimay Chandra Giri.

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 :  
Date of Issue 08/12/2023



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.





ORIGINAL  
क्रम सं/ Serial No.: 149915



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. : 396462-001

तारीख / Date : 03/10/2023

पारस्परिकता तारीख / Reciprocity Date\* :

देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **AGRICULTURAL FERTILIZER SPREADER MACHINE** से संबंधित है, का पंजीकरण, श्रेणी 15-03 में 1.Ms. Swati Mehta 2. Ms. Supneet Kaur 3.Ms. Meenakshi Attri 4.Dr. Deepak Kumar 5.Dr.Ranjeet Singh Bochalya 6.Mr. Arjun Singh 7.Mr. Bhim Singh 8.Prof. Nimay Chandra Giri 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 15-03 in respect of the application of such design to **AGRICULTURAL FERTILIZER SPREADER MACHINE** in the name of 1.Ms. Swati Mehta 2. Ms. Supneet Kaur 3.Ms. Meenakshi Attri 4.Dr. Deepak Kumar 5.Dr.Ranjeet Singh Bochalya 6.Mr. Arjun Singh 7.Mr. Bhim Singh 8.Prof. Nimay Chandra Giri.

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 : 08/12/2023  
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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(54) Title of the invention : Impact of gender bias in the recruitment and selection of employees in food delivery companies, India

(51) International classification :G06Q0010100000, G06Q0010060000, H05B0003340000, C12Q0001687900,  
A47J0047140000  
(86) International Application No :PCT//  
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(61) Patent of Addition to Application Number :NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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## (57) Abstract :

**ABSTRACT** Impact of gender bias in the recruitment and selection of employees in food delivery companies, India This paper will focus on the impact of gender bias in recruitment and selection of employees for India's food delivery companies. In India, gender bias has been a persistent problem within the workplace as it relates to the employment process. Gender bias in recruitment and selection of employees extends beyond the traditional hiring practices and can present large barriers to equal access to job opportunities as well as impact a company's ability to attract the most qualified applicants. It is estimated that nearly 66% of men dominate the food delivery industry in India, while women make up only 34 percent of the available workforce. Studies suggest that the recruitment and selection process of food delivery companies is strongly associated with gender bias. Job advertisements often target male candidates, creating inequalities in the recruitment and selection of employees for food delivery services. Studies show that organizational recruitment practices within food delivery companies suffer from gender bias, and certain professions are gender-stereotyped, resulting in only male applicants landing the job. In addition, many Indian food delivery companies utilize specific criteria for selection of applicants which favors male job seekers. For example, physical strength, stamina, and educational background are highly valued criteria that can give male applicants the edge over female applicants. This can create challenges for female job candidates who may not possess the same physical and educational capabilities as male job applicants. The gender bias plays a significant role in the recruitment and selection of employees for India's food delivery companies. Gender-based discrimination and practices can create unequal access to job opportunities and impact the ability of a company to recruit the most qualified applicants. It is crucial for organizations to address these issues and ensure that recruitment and selection practices are free from any bias related to gender.

No. of Pages : 13 No. of Claims : 9



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(22) Date of filing of Application : 18/05/2023

(21) Application No. 202341034845 A

(43) Publication Date : 16/06/2023

(54) Title of the invention : CYBER PHYSICAL SYSTEM FOR HUMAN RESOURCE MANAGEMENT TO INCREASE GREEN CORPORATE IMAGE

(51) International classification : A61K 367100, G05B 130400, G06Q 100600,  
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(86) International Application No : NA  
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(61) Patent of Addition to : NA  
Application Number : NA  
Filing Date : NA  
(62) Divisional to Application : NA  
Number : NA  
Filing Date : NA

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(57) Abstract :

A cyber-physical system for human resource management can indeed contribute to increasing a company's green corporate image. By integrating digital technologies and physical systems, such a system can optimize various aspects of human resource management while promoting environmental sustainability. Here are some ways in which it can be achieved: Remote Work and Collaboration: Implementing remote work policies and providing the necessary digital infrastructure can reduce the need for daily commuting, resulting in lower carbon emissions from transportation. Collaboration tools, video conferencing, and virtual meetings can be employed to facilitate remote work and minimize the environmental impact associated with business travel. Energy Management: A cyber-physical system can help monitor and manage energy consumption within the workplace. It can include smart sensors and meters to track energy usage, occupancy sensors to optimize lighting and HVAC systems, and automated controls to ensure energy-efficient operations. By reducing energy waste, companies can lower their carbon footprint and improve their green image. Overall, a cyber-physical system for human resource management can play a vital role in increasing a company's green corporate image. By leveraging technology to optimize processes, reduce resource consumption, and engage employees in sustainability initiatives, companies can demonstrate their commitment to environmental responsibility and position themselves as leaders in green practices.

No. of Pages : 8 No. of Claims : 5



# Urkunde

über die Eintragung des Gebrauchsmusters Nr. 20 2023 104 309

**Bezeichnung:**

Ein IoT-basiertes automatisches System zur Herstellung von biologischem Vermikompost

**IPC:**

C05F 17/90

**Inhaber/Inhaberin:**

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**Tag der Anmeldung:**

31.07.2023

**Tag der Eintragung:**

01.09.2023

Die Präsidentin des Deutschen Patent- und Markenamts



Eva Schewior



München, 01.09.2023





Intellectual  
Property  
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# Certificate of Registration for a UK Design

Design number: 6285107

Grant date: 09 June 2023

Registration date: 24 May 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

Dr. Ashok Misra, Dr. Banitamani Mallik, Ms. Nagalapalli Jeebaratnam, Ms.

Gedala Sridevi, Dr. Sujit Mishra, Mr. Debarghya De, Ms. Priya Khanda

in respect of the application of such design to:

Water quality prediction device

International Design Classification:

Version: 14-2023

Class: 10 CLOCKS AND WATCHES AND OTHER MEASURING  
INSTRUMENTS, CHECKING AND SIGNALLING INSTRUMENTS

Subclass: 05 INSTRUMENTS, APPARATUS AND DEVICES FOR CHECKING,  
SECURITY OR TESTING

## 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.



Intellectual Property Office is an operating name of the Patent Office

[www.gov.uk/ipo](http://www.gov.uk/ipo)





#### Application Details

APPLICATION NUMBER	202331042404
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	24/06/2023
APPLICANT NAME	1 . Dr. Sujit Mishra 2 . Dr. Ashok Misra 3 . Dr. Panyam Venkata Satya Narayana 4 . Dr. Saroj Kumar Mishra
TITLE OF INVENTION	Model for Aerodynamic Drag Improvement in Realistic Simplified Car with Dusty Fluid Simulations
FIELD OF INVENTION	MECHANICAL ENGINEERING
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ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	—
PUBLICATION DATE (U/S 11A)	30/06/2023

#### Application Status

APPLICATION STATUS	Awaiting Request for Examination
--------------------	----------------------------------

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ORIGINAL  
क्रम सं/ Serial No. : 150268



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. : 397641-001

तारीख / Date : 14/10/2023

पारस्परिकता तारीख / Reciprocity Date\* :

देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **PESTICIDE DETECTION KNIFE FOR FRUITS** से संबंधित है, का पंजीकरण, श्रेणी 10-05 में 1.Dr. Vangapandu Thriveni 2. Dr. Swapnil 3.Dr. Digvijay Singh 4.Dr. Koustava Kumar Panda 5.Dr. S.P. Nanda 6.Dr. Ravi Kumar Kuna 7.Dr. Karthik Parmanik 8.Prof. M Subba Rao 9.Pamukuntla Mahesh 10.Prof. S. Eswara Reddy 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 10-05 in respect of the application of such design to **PESTICIDE DETECTION KNIFE FOR FRUITS** in the name of 1.Dr. Vangapandu Thriveni 2. Dr. Swapnil 3.Dr. Digvijay Singh 4.Dr. Koustava Kumar Panda 5.Dr. S.P. Nanda 6.Dr. Ravi Kumar Kuna 7.Dr. Karthik Parmanik 8.Prof. M Subba Rao 9.Pamukuntla Mahesh 10.Prof. S. Eswara Reddy.

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 :  
Date of Issue : 14/12/2023



महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न  
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क्रम सं/ Serial No. : 149820



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डिजाइन के पंजीकरण का प्रमाण पत्र

Certificate of Registration of Design

डिजाइन सं. / Design No.

398816-001

तारीख / Date

30/10/2023

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **PLANT ENERGY HARVESTING DEVICE** से संबंधित है, का पंजीकरण, श्रेणी 13-01 में 1.Dr. Swapnil 2. Dr. Digvijay Singh 3.Dr. Vangapandu Thriveni 4.Dr. Jagadeesha Mulagund 5.Dr. J. Surendar 6.Ms. Kowsalya K B 7.Er. Pramod Kumar 8.Prof. S. Eswara Reddy के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

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जारी करने की तिथि : 08/12/2023  
Date of Issue



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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 निर्बंधनों 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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ORIGINAL

क्रम सं/ Serial No. : 151832



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डिजाइन के पंजीकरण का प्रमाण पत्र

Certificate of Registration of Design

डिजाइन सं. / Design No.

399422-001

तारीख / Date

07/11/2023

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **SEED QUALITY ANALYZER DEVICE** से संबंधित है, का पंजीकरण, श्रेणी 10-05 में 1.Dr. Sanghamitra Rout 2. Dr. Aninda Chakraborty 3.Dr. Abha Manohar K 4.Dr. Desetty J. M. S. N. K. Sri Veda 5.Dr. Jui Ray 6.Dr. Mutchukota Subba Rao 7.Dr. Smaranika Mohanta 8.Ms. Debarati Nandi 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 10-05 in respect of the application of such design to **SEED QUALITY ANALYZER DEVICE** in the name of 1.Dr. Sanghamitra Rout 2. Dr. Aninda Chakraborty 3.Dr. Abha Manohar K 4.Dr. Desetty J. M. S. N. K. Sri Veda 5.Dr. Jui Ray 6.Dr. Mutchukota Subba Rao 7.Dr. Smaranika Mohanta 8.Ms. Debarati Nandi.

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 :  
Date of Issue 04/01/2024



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.





ORIGINAL

क्रम सं/ Serial No. : 153677



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.

398800-001

तारीख / Date

30/10/2023

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो *DEVICE FOR DETECTION OF ACTIVE*

*CONSTITUENTS FROM MEDICINAL PLANTS* से संबंधित है, का पंजीकरण, श्रेणी 10-05 में 1.Neha Verma 2. Dr Snehal Chakorkar 3.Nigar Kadar Mujawar 4.Manvi Singh 5.Dr Mithun Maniyar 6.Dr Himansu Bhusan Samal 7.Revati Tatyasaheb Deore 8.Dr Nitin Narayan Hire 9.Rekha Pathak 10.Anand Kumar 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 10-05 in respect of the application of such design to *DEVICE FOR DETECTION OF ACTIVE CONSTITUENTS FROM MEDICINAL PLANTS* in the name of 1.Neha Verma 2. Dr Snehal Chakorkar 3.Nigar Kadar Mujawar 4.Manvi Singh 5.Dr Mithun Maniyar 6.Dr Himansu Bhusan Samal 7.Revati Tatyasaheb Deore 8.Dr Nitin Narayan Hire 9.Rekha Pathak 10.Anand Kumar.

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 :  
Date of Issue 15/01/2024



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।

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.





ORIGINAL

क्रम सं/ Serial No. : 157239



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.

402283-001

तारीख / Date

15/12/2023

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **OCEAN THERMAL ENERGY CONVERTER DESALINATION APPARATUS** से संबंधित है, का पंजीकरण, श्रेणी 13-01 में 1.Dr. Manoj Panchal 2. Dr. K.Sudha Madhuri 3.Dr. Syed Altaf Hussain 4.Dr. Bathini Sidda Reddy 5.Dr. V. Chandra Sekhar 6.Dr. K. Thirupathi Reddy 7.Dr. Upendra Rajak 8.Dr. Nimay Chandra Giri 9.Dr. M.D. Alamgir 10.Dr. Rubby Sandhu 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 13-01 in respect of the application of such design to **OCEAN THERMAL ENERGY CONVERTER DESALINATION APPARATUS** in the name of 1.Dr. Manoj Panchal 2. Dr. K.Sudha Madhuri 3.Dr. Syed Altaf Hussain 4.Dr. Bathini Sidda Reddy 5.Dr. V. Chandra Sekhar 6.Dr. K. Thirupathi Reddy 7.Dr. Upendra Rajak 8.Dr. Nimay Chandra Giri 9.Dr. M.D. Alamgir 10.Dr. Rubby Sandhu.

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.



कुलत की पंक्ति

जारी करने की तिथि :  
Date of Issue : 16/02/2024

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।

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.





ORIGINAL

क्रम सं/ Serial No.: 155831



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.

400461-001

तारीख / Date

22/11/2023

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **THERMAL ACTIVATOR FOR INTERNAL COMBUSTION ENGINE** से संबंधित है, का पंजीकरण, श्रेणी 15-01 में 1.Dr.Tikendra Nath Verma 2. Dr. Upendra Rajak 3.Dr. Manoj Panchal 4.Dr. B. Sidda Reddy 5.Dr. Syed Altaf Hussain 6.Dr. K. Sudha Madhuri 7.Ms. Sima Das 8.Dr.Nimay Chandra Giri 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 15-01 in respect of the application of such design to **THERMAL ACTIVATOR FOR INTERNAL COMBUSTION ENGINE** in the name of 1.Dr.Tikendra Nath Verma 2. Dr. Upendra Rajak 3.Dr. Manoj Panchal 4.Dr. B. Sidda Reddy 5.Dr. Syed Altaf Hussain 6.Dr. K. Sudha Madhuri 7.Ms. Sima Das 8.Dr.Nimay Chandra Giri.

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 : 02/02/2024  
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.



(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/01/2024

(21) Application No.202411000075 A

(43) Publication Date : 02/02/2024

(54) Title of the invention : NANOFERTILIZERS A FUTURISTIC TECHNOLOGY OF NUTRIENT MANAGEMENT IN AGRICULTURE

<p>(51) International classification :C05C9/00, C05D9/02, C05G1/00, C05G3/00, C05G3/80, C05G3/90, C05G5/23</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : <b>1)Dr. Meenakshi Attri</b> Address of Applicant :Teaching Associate, Division of Agronomy, Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu, Chatha - 180009, India Chatha -----</p> <p><b>2)Dr. Neetu Sharma</b> <b>3)Dr. Rakesh Kumar</b> <b>4)Mr. Vivek Bhagat</b> <b>5)Ms. Seema Pooniyan</b> <b>6)Ms. Chanchal</b> <b>7)Dr. Nimay Chandra Giri</b> Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : <b>1)Dr. Meenakshi Attri</b> Address of Applicant :Teaching Associate, Division of Agronomy, Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu, Chatha - 180009, India Chatha -----</p> <p><b>2)Dr. Neetu Sharma</b> Address of Applicant :Professor, Division of Agronomy, Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu, Chatha - 180009, India Chatha -----</p> <p><b>3)Dr. Rakesh Kumar</b> Address of Applicant :Assistant Professor, Division of Agronomy, Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu, Chatha - 180009, India Chatha -----</p> <p><b>4)Mr. Vivek Bhagat</b> Address of Applicant :Ph.D. Research Scholar Division of Agronomy, Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu, Chatha - 180009, India Chatha -----</p> <p><b>5)Ms. Seema Pooniyan</b> Address of Applicant :Ph.D. Research Scholar, Department of Soil Science and Agricultural Chemistry, Maharana Pratap University of Agriculture and Technology (MPUAT), Udaipur - 313001, Rajasthan, India Udaipur -----</p> <p><b>6)Ms. Chanchal</b> Address of Applicant :Ph.D. Research Scholar, Division of Agricultural Extension Education, Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu, Chatha - 180009, India Chatha -----</p> <p><b>7)Dr. Nimay Chandra Giri</b> Address of Applicant :Assistant Professor, Department of Electronics and Communication Engineering, Centurion University of Technology and Management, Odisha - 752050, India Boudh -----</p>
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(57) Abstract :

An experiment was conducted to assess the effect of foliar application of nano urea on productivity and profitability of fine rice under irrigated subtropics of Jammu region. The experimental results revealed that 100% recommended NPKZn +2 foliar sprays of nano urea each @ 2ml/liter of water recorded significantly higher effective tillers m number of grains panicle , 1000-grain weight, grain yield and straw yield -2,-1 and remained statistically at par with treatment 75% recommended N+ recommended PK Zn + 2 foliar sprays of nano urea each @ 2ml/liter of water, 50% recommended N+ recommended PKZn (25:25:15 kg ha ) + 2 foliar sprays of nano urea each @2ml/liter of water), 50% -1-1recommended N+ recommended PKZn (25:25:15 kg ha ) + foliar sprays of nano urea @4 ml/liter of water) and 100% recommended NPKZn. However with regard to net returns and B: C ratio, 75% recommended N+ recommended PKZn + 2 Foliar Sprays of nano urea each @ 2ml/liter of water recorded highest net returns and B:C ratio to the tune of 79305 ha and 1.70 respectively which was closely followed by 50% -1-1recommended N+ recommended PKZn (25:25:15 kg ha ) + 2 foliar sprays of nano urea each @ 2ml/liter of water with net returns and B:C ratio to the tune of 78,724 ha and 1.69 respectively.

No. of Pages : 11 No. of Claims : 2



(12) PATENT APPLICATION PUBLICATION

(21) Application No.202411000076 A

(19) INDIA

(22) Date of filing of Application :01/01/2024

(43) Publication Date : 02/02/2024

(54) Title of the invention : SMART FARMING MACHINE WITH WATERING AND FERTILIZATION UNIT

(51) International classification :G06Q0050020000, A01G0022000000, A01G0025160000, C05C0003000000, C05F0011080000

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

(87) International Publication No : NA

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

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

(71)Name of Applicant :

**1)Dr. Rubby Sandhu**

Address of Applicant :Assistant Professor, Department of Genetics and Plant Breeding, Lovely Professional University, Punjab - 144411, India Kapurthala -----

**2)Dr. Meenakshi Attri**

**3)Dr. Raval Kalpesh**

**4)Dr. Sandeep Kumar Bangarwa**

**5)Mr. Atul Kumar**

**6)Dr. Amardeep Kour**

**7)Dr. Sunidhi Tiwari**

**8)Dr. Nilesh Sharma**

**9)Dr. Nimay Chandra Giri**

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

**1)Dr. Rubby Sandhu**

Address of Applicant :Assistant Professor, Department of Genetics and Plant Breeding, Lovely Professional University, Punjab - 144411, India Kapurthala -----

**2)Dr. Meenakshi Attri**

Address of Applicant :Teaching Associate, Division of Agronomy, Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu, Chatha - 180009, India Chatha -----

**3)Dr. Raval Kalpesh**

Address of Applicant :Assistant Professor, Department of Genetics and Plant Breeding, Lovely Professional University, Punjab - 144411, India Punjab -----

**4)Dr. Sandeep Kumar Bangarwa**

Address of Applicant :Assistant Professor, Department of Genetics and Plant Breeding College of Agriculture, Sriganaganagar - 335001, Rajasthan India Sriganaganagar -----

**5)Mr. Atul Kumar**

Address of Applicant :Ph.D. Research Scholar, Department of Soil Science and Agricultural Chemistry Bihar Agricultural University, Sabour, Bhagalpur - 813210, Bihar, India Bhagalpur -----

**6)Dr. Amardeep Kour**

Address of Applicant :Assistant Professor, Department of Agriculture PDM University, Bahadurgarh - 124507, India Bahadurgarh -----

**7)Dr. Sunidhi Tiwari**

Address of Applicant :Assistant Professor, Department of Agriculture Jagannath University Chaksu Jaipur - 303901, India Chaksu -----

**8)Dr. Nilesh Sharma**

Address of Applicant :Assistant Professor, Department of Agriculture Jagannath University Chaksu Jaipur - 303901, India Chaksu -----

**9)Dr. Nimay Chandra Giri**

Address of Applicant :Assistant Professor, Department of Electronics and Communication Engineering, Centurion University of Technology and Management, Odisha - 752050, India Khordha -----

(57) Abstract :

As serious food insecurity persists in many parts of the world, improving productivity in agriculture in a sustainable manner is today a realistic target. Farming plays an important role in food production and economic development in Nigeria and the world as a whole. Getting high yield from farm produce depend on land fertility, soil moisture and other climatic factors. This paper aims at developing an automatic fertilized-irrigation control and management system for the improvement of soil porosity and nutrient by timely application of fertilizer and water level required for the crops growth and development. This will metabolize the soil texture, give the nutrient to the crops, build plant tissue as well as increase the rate of crop productivity. The implementation of the system has been achieved by interfacing several components and intelligence unit such as ISE sensors, DHT11 sensor, Actuator, AT89C52 microcontroller and other components to automatically apply soluble agrochemical fertilizer and water based on plant needs. The designed system is tested with tomato crop planted on sandy, loamy and clay soil, respectively. The obtained result shows that the developed system applied higher water of about 391 mm3 on the tomato crop planted on sandy soil compared with the other soil types which was 383 and 380 mm3 on loam and clay soil, respectively at the moisture content of 16%.

No. of Pages : 14 No. of Claims : 4





Intellectual  
Property  
Office

# Certificate of Registration for a UK Design

Design number: 6332055

Grant date: 18 December 2023

Registration date: 10 December 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

Dr. Arjun Machingal Ravindran, Md. Shadab Anwar, Dr. Gujjala Sai Sri Harsha,

Dr. Ramesh Petchi Rajendran, Dr. Gopula Subramanian Devika, Dr. Afreen

Wahab, Mr. Bishnupada Biswal, Dr. Shivam Choudghal, Mr. Arpan Kumar

Tripathi, Surya Pratap Singh

in respect of the application of such design to:

Reusable Insulin Pen for Injecting Insulin

International Design Classification:

Version: 14-2023

Class: 24 MEDICAL AND LABORATORY EQUIPMENT

Subclass: 02 MEDICAL INSTRUMENTS, INSTRUMENTS AND TOOLS FOR LABORATORY USE

**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.







Intellectual  
Property  
Office

# Certificate of Registration for a UK Design

Design number: 6348142

Grant date: 04 March 2024

Registration date: 22 February 2024

## 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

Dr. Arya Kumar, Dr. Sweta Leena Hota, Mrs. Manisha Yagyaseni Champatiray,

Miss. Anwesweta Panigrahi, Mrs. Sonali Mohapatra, Ms. Jyotirmayee Sahoo

in respect of the application of such design to:

Electronic Blockchain-based Economic Transaction Verification Device

International Design Classification:

Version: 14-2023

Class: 10 CLOCKS AND WATCHES AND OTHER MEASURING  
INSTRUMENTS, CHECKING AND SIGNALLING INSTRUMENTS

Subclass: 05 INSTRUMENTS, APPARATUS AND DEVICES FOR CHECKING,  
SECURITY OR TESTING

## 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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ORIGINAL

क्रम सं/ Serial No. : 160205



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.

383693-001

तारीख / Date

11/04/2023

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **A SOLAR TREE FOR POWER GENERATION** से संबंधित है, का पंजीकरण, श्रेणी 13-04 में 1.Dr. Neeraj Kumar 2. Musharraf Mohiuddin Shaikh 3.Gyanrao Dhote 4.Rama Prasanna Dalai 5.R. Tamilamuthan 6.Dr. Supriya Agrawal 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 13-04 in respect of the application of such design to **A SOLAR TREE FOR POWER GENERATION** in the name of 1.Dr. Neeraj Kumar 2. Musharraf Mohiuddin Shaikh 3.Gyanrao Dhote 4.Rama Prasanna Dalai 5.R. Tamilamuthan 6.Dr. Supriya Agrawal.

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 :

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14/03/2024



उत्पात की पंक्ति

महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न

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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.



(54) Title of the invention : OPTIMIZING LAND USE: AGRIVOLTAIC SYSTEMS FOR ENHANCED PRODUCTIVITY AND PROFITABILITY

<div>(51) International classification</div> <div>(86) International Application No</div> <div>(87) International Publication No</div> <div>(61) Patent of Addition to Application Number</div> <div>(62) Divisional to Application Number</div> <div>:G06Q0010060000, A61K0036906600, H02J0003380000, C10L0001020000, C12P0019040000</div> <div>:NA</div> <div>:NA</div> <div>: NA</div> <div>:NA</div> <div>:NA</div> <div>:NA</div>	<div>(71)Name of Applicant :</div> <div>1)CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT</div> <div>Address of Applicant :Ramachandrapur, Jatni - 752050, Odisha, India Jatni -----</div> <div>Name of Applicant : NA</div> <div>Address of Applicant : NA</div> <div>(72)Name of Inventor :</div> <div>1)Dr. Nimay Chandra Giri</div> <div>Address of Applicant :Department of Electronics and Communication Engineering, Centurion University of Technology and Management Ramachandrapur, Jatni - 752050, Odisha, India Jatni -----</div> <div>2)Dr. Ramesh Chandra Mohanty</div> <div>Address of Applicant :Department of Mechanical Engineering, Centurion University of Technology and Management Ramachandrapur, Jatni - 752050, Odisha, India Jatni -----</div> <div>3)Dr. Sujata Chakravarty</div> <div>Address of Applicant :Dean, School of Engineering &amp; Technology, Centurion University of Technology and Management Ramachandrapur, Jatni - 752050, Odisha, India Jatni -----</div>
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(57) Abstract :

The combination of energy and food security is increasingly threatened by the impacts of climate change, population growth, and global economic expansion. In response to these challenges, the agrivoltaic system emerges as a promising solution, blending photovoltaic technology with agricultural production to support sustainable development goals, particularly in countries like India. An experimental study conducted at CUTM, Odisha, utilized a portable and adjustable agrivoltaic system with a capacity of 0.675 kWp over an 11 m2 area. The aim was to assess its impact on land productivity and the income of farmers or investors. This innovative system facilitated the cultivation of 1.5 kg of turmeric, a shade-tolerant medicinal crop, while also reducing temperatures by 1–1.5 °C, thereby enhancing energy generation efficiency. Key performance metrics, including the land equivalent ratio, benefit-cost ratio, price-performance ratio, and payback period, were determined as 1.73, 1.71, 0.79, and 9.49 years, respectively. The successful integration of this system with a dual DC microgrid, supported by solar tubular batteries, underscores its scalability and potential for wider adoption among farmers, who are the primary beneficiaries of this innovative approach.

No. of Pages : 26 No. of Claims : 10





ORIGINAL

क्रम सं/ Serial No. : 163700



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.

407255-001

तारीख / Date

12/02/2024

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **SOLAR CHIMNEY WITH SINUSOIDAL SWIRL FINS** से संबंधित है, का पंजीकरण, श्रेणी 23-03 में 1.Centurion University Of Technology & Management 2. Dr. Mukundjee Pandey 3.Ms. Ipsita Mishra 4.Mr. Tapas Kumar Panda 5.Mr. Madhusudan Pandey 6.Dr. Ardhendu Mouli Mohanty के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

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

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जारी करने की तिथि :

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कृपया नोट करें  
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(18) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application : 18/05/2023

(21) Application No. 202341034845 A

(43) Publication Date : 16/06/2023

(54) Title of the invention : CYBER PHYSICAL SYSTEM FOR HUMAN RESOURCE MANAGEMENT TO INCREASE GREEN CORPORATE IMAGE

(51) International classification : A61K 367100, G05B 130400, G06Q 100600,  
G06Q 101000, G10L 152600  
(86) International Application No : NA  
Filing Date : NA  
(87) International Publication No : NA  
(61) Patent of Addition to  
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Filing Date : NA  
(62) Divisional to Application  
Number : NA  
Filing Date : NA

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(57) Abstract :

A cyber-physical system for human resource management can indeed contribute to increasing a company's green corporate image. By integrating digital technologies and physical systems, such a system can optimize various aspects of human resource management while promoting environmental sustainability. Here are some ways in which it can be achieved: Remote Work and Collaboration: Implementing remote work policies and providing the necessary digital infrastructure can reduce the need for daily commuting, resulting in lower carbon emissions from transportation. Collaboration tools, video conferencing, and virtual meetings can be employed to facilitate remote work and minimize the environmental impact associated with business travel. Energy Management: A cyber-physical system can help monitor and manage energy consumption within the workplace. It can include smart sensors and meters to track energy usage, occupancy sensors to optimize lighting and HVAC systems, and automated controls to ensure energy-efficient operations. By reducing energy waste, companies can lower their carbon footprint and improve their green image. Overall, a cyber-physical system for human resource management can play a vital role in increasing a company's green corporate image. By leveraging technology to optimize processes, reduce resource consumption, and engage employees in sustainability initiatives, companies can demonstrate their commitment to environmental responsibility and position themselves as leaders in green practices.

No. of Pages : 8 No. of Claims : 5





ORIGINAL

क्रम सं/ Serial No. : 145622



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.

394136-001

तारीख / Date

31/08/2023

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **HOT AIR ASSISTED INFRARED HYBRID DRYER** से संबंधित है, का पंजीकरण, श्रेणी 15-05 में 1.Dr. Gitanjali Behera 2. Dr. Bhukya Jithender 3.Ms. Shreedatta Satapathy 4.Ms. Swatalinatripathy 5.Ms. Soumya Sucharita Giri 6.Ms. Mimansa Dasmal 7.Mr. Debjit Maity 8.Mr. Ranit Sarkar 9.Prof. Nimay Chandra Giri 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 15-05 in respect of the application of such design to **HOT AIR ASSISTED INFRARED HYBRID DRYER** in the name of 1.Dr. Gitanjali Behera 2. Dr. Bhukya Jithender 3.Ms. Shreedatta Satapathy 4.Ms. Swatalinatripathy 5.Ms. Soumya Sucharita Giri 6.Ms. Mimansa Dasmal 7.Mr. Debjit Maity 8.Mr. Ranit Sarkar 9.Prof. Nimay Chandra Giri.

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.

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ORIGINAL

क्रम सं/ Serial No. : 156394



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

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Certificate of Registration of Design

डिजाइन सं. / Design No.

403507-001

तारीख / Date

30/12/2023

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **IOT BASED ROBOT TO ANALYSING FARM AND CROPS** से संबंधित है, का पंजीकरण, श्रेणी 15-03 में 1.Dr.Meenakshi Attri 2. Dr.Rubby Sandhu 3.Mr. Sachin 4.Dr. Mohammad Amir 5.Mr. Vijay Kumar 6.Mr. Parkash Verma 7.Mr. Harsh Jyani 8.Mr. Akshit 9.Dr.Nimay Chandra Giri 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 15-03 in respect of the application of such design to **IOT BASED ROBOT TO ANALYSING FARM AND CROPS** in the name of 1.Dr.Meenakshi Attri 2. Dr.Rubby Sandhu 3.Mr. Sachin 4.Dr. Mohammad Amir 5.Mr. Vijay Kumar 6.Mr. Parkash Verma 7.Mr. Harsh Jyani 8.Mr. Akshit 9.Dr.Nimay Chandra Giri.

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 : 09/02/2024  
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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ORIGINAL

क्रम सं/ Serial No. : 170969



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.

413375-001

तारीख / Date

12/04/2024

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **MICROFLUIDIZER APPARATUS FOR NANOPARTICLE SYNTHESIS** से संबंधित है, का पंजीकरण, श्रेणी 24-02 में 1.Centurion University Of Technology And Management 2. Dr. Fahima Dilnawaz 3.Dr. Himansu Bhusan Samal 4.Dr.Pratap Kumar Patra 5.Dr. Gyanranjan Mahalik 6.Mr. Nigam Sekhar Tripathy 7.Ms. Liza Sahoo 8.Mr. Safal Kumar Paikray के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

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

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जारी करने की तिथि :

Date of Issue

29/05/2024



उत्पात की पंजी

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