

(12) PATENT APPLICATION PUBLICATION

(21) Application No. 2024/1022697 A

(19) INDIA

(43) Publication Date 17/05/2024

(22) Date of filing of Application 23/03/2024

(54) Title of the invention : PORTABLE FIRE PREVENTION SYSTEM

(51) International classification : A62C19/00, A62C3/00, A62D1/00, A62D1/02, A62D1/06  
 (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) Mohd Yusuf  
 Address of Applicant : Global University -----  
 2) Mohd Zaid Chaudhary  
 3) Mr. Umarfarooq A. Halyal  
 4) Dr. Rakhi Tyagi  
 5) Prof. (Dr.) Nizamul Haque Ansari  
 6) Ms. Kamika Tuli  
 7) Sanjay Paliwal  
 Name of Applicant : NA  
 Address of Applicant : NA  
 (72) Name of Inventor :  
 1) Mohd Yusuf  
 Address of Applicant : Global University -----  
 2) Mohd Zaid Chaudhary  
 Address of Applicant : Global University, Saharanpur, U. Pradesh, India -----  
 3) Mr. Umarfarooq A. Halyal  
 Address of Applicant : Global University, Saharanpur -----  
 4) Dr. Rakhi Tyagi  
 Address of Applicant : IIT Delhi, Hauz Khas, New Delhi -----  
 5) Prof. (Dr.) Nizamul Haque Ansari  
 Address of Applicant : Sant Baba Bhag Singh University, Jalandhar, Punjab -----  
 6) Ms. Kamika Tuli  
 Address of Applicant : Guru Nanak Institute of Pharma -----  
 7) Sanjay Paliwal  
 Address of Applicant : R.D. Engineering College, Dahi Ghaziabad -----

(57) Abstract :  
 ABSTRACT Embodiments of the present disclosure may include a portable fire prevention system for controlling and extinguishing Class A, B, and C fires, including A compact housing containing a fire suppressant composition. Embodiments may also include a fire suppressant composition including 0.01% dilute hydrochloric acid (HCl) as component A. Embodiments may also include a fire suppressant composition further including powdered sodium bicarbonate (NaHCO<sub>3</sub>) as component B. Embodiments may also include a dispensing mechanism for releasing the fire suppressant composition. Embodiments may also include a control electronic system of Claim 1. In some embodiments, the fire suppressant composition may be formulated to be effective in controlling extinguishing fires related to flammable liquids and gases (Class B), ordinary combustible materials (Class A), and electric equipment (Class C).

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

Director IQAC  
 Sant Baba Bhag Singh University  
 J-Khiala, Jalandhar-144030

Office Journal No. 20/2024 Dated 17/05/2024



Office of the Controller General of Patents, Designs & Trade Marks  
 Department for Promotion of Industry and Internal Trade  
 Ministry of Commerce & Industry.  
 Government of India

(<http://ipindia.nic.in/index.htm>)



(<http://ipindia.nic.in/index.htm>)

Application Details

APPLICATION NUMBER	202441006790
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	01/02/2024
APPLICANT NAME	1 . Dr.K.Geetha 2 . Dr Ajay Kumar Pathania 3 . S.V. Pradeepa 4 . Dr. Anisha Tandon 5 . Dr. Abha Pandey 6 . Dr. Neel Kamal Purohit 7 . Dr.Monika Khatri 8 . Dr.Somasekhar Borugadda 9 . Dr.S.Renugadevi 10 . Dr. Sunita P Galkwad
TITLE OF INVENTION	STUDENTS ETHICS IN THE ACADEMIC RESEARCH REAL BEHAVIOUR VERSUS EXPECTATIONS
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	patentpublucation@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	01/03/2024

Director IQAC  
 Sant Baba Bhag Singh University  
 Khiala, Jalandhar-144030



ORIGINAL  
क्रम सं/ Serial No. : 172852



**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. 416181-001

तारीख / Date 08/05/2024

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **PLANT HEALTH MONITORING DEVICE** से संबंधित है, का पंजीकरण, श्रेणी 10-05 में 1.Dr. Ashutosh Sharma 2. Dr. Yogesh Kumar 3.Dr. Sonika Sharma 4.Dr. Indu Sharma 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 **PLANT HEALTH MONITORING DEVICE** in the name of 1.Dr. Ashutosh Sharma 2. Dr. Yogesh Kumar 3.Dr. Sonika Sharma 4.Dr. Indu Sharma.

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.

Director IQAC  
Sant Baba Gurg Singh University  
Khiala, Jalandhar-144030



जारी करने की तिथि : 13/06/2024  
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

(21) Application No.202411019143 A

(19) INDIA

(22) Date of filing of Application :15/03/2024

(43) Publication Date : 12/04/2024

(54) Title of the invention : A METHOD FOR MINIMIZING ENERGY LOSS IN DISTRIBUTION SYSTEMS THROUGH OPTIMAL ALLOCATION OF RENEWABLE RESOURCES

(51) International classification :H04W0072040000, G05B0013020000, G06F0009500000, H02J0003000000, G05B0011420000  
(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)Ms. Sanya Kapoor

Address of Applicant :Del Norte High School, San Diego, California, USA -----

2)Sr. Prof. Dr. Hayavadana. J

3)Dr. Indu Sharma

4)Dr. Ashutosh Sharma

5)Ajay Dixit

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Ms. Sanya Kapoor

Address of Applicant :Del Norte High School, San Diego, California, USA -----

2)Sr. Prof. Dr. Hayavadana. J

Address of Applicant :Prof. & Head, Dept. of Textile Technology, University College of Technology, Osmania University, Hyderabad -----

3)Dr. Indu Sharma

Address of Applicant :Department of Life Sciences, University Institute of Sciences, Sant Baba Bhag Singh University, Jalandhar, Punjab- 144030 -----

4)Dr. Ashutosh Sharma

Address of Applicant :Faculty of Agricultural Sciences, DAV University, Sarmastpur, Jalandhar Pathankot National Highway, Jalandhar, Punjab- 144012 -----

5)Ajay Dixit

Address of Applicant :Department of Applied Science, KIET Group of Institutions Ghaziabad- 201206 -----

(57) Abstract :

The present invention relates to method (100) for minimizing energy loss in distribution systems through optimal allocation of renewable resources. The method (100) comprises the following steps: developing a computational algorithm to optimize renewable resource allocation, using advanced techniques and adaptability; implementing a voltage stabilization system to manage fluctuations, with hardware including a sensor, controller, and converter, and software using a PID controller; Integrating a control system to monitor and adjust resource allocation in real-time to minimize energy loss. The computational algorithm further utilizes adaptive optimization techniques to adjust to changes in the distribution system.

No. of Pages : 9 No. of Claims : 6

Director IQAC  
Sant Baba Bhag Singh University  
Vill-Khiala, Jalandhar-144030



ORIGINAL

क्रम सं/ Serial No. : 172816



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. 415344-001

तारीख / Date 30/04/2024

पारस्परिकता तारीख / Reciprocity Date\*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो IOT BASED BIOFERTILIZER AND BIOCONTROL DEVICE FOR AGRICULTURE से संबंधित है, का पंजीकरण, श्रेणी 15-03 में 1.Dr. Sonika Sharma 2. Dr. Ashutosh Sharma 3.Dr. Anu Tonk 4.Dr. Indu Sharma 5.Mr.S.Mayakannan 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 BIOFERTILIZER AND BIOCONTROL DEVICE FOR AGRICULTURE in the name of 1.Dr. Sonika Sharma 2. Dr. Ashutosh Sharma 3.Dr. Anu Tonk 4.Dr. Indu Sharma 5.Mr.S.Mayakannan.

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.

Director/ICAC Sant Baba Bhag Singh University Vill-Khiata, Jalandhar-144030

[Handwritten signature]



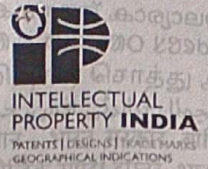
[Handwritten signature]

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

जारी करने की तिथि : 13/06/2024 Date of Issue

\*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. - 173238



**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. 416544-001  
तारीख / Date 11/05/2024  
पारस्परिकता तारीख / Reciprocity Date\*  
देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **AUTOMATED PLANT DISEASE TREATING MACHINE** से संबंधित है, का पंजीकरण, श्रेणी 15-03 में 1. Dr. Ashutosh Sharma 2. Dr. Aditi Sharma 3. Dr. Shalini Verma 4. Dr. Sonika Sharma 5. Dr. Deepika Sharma 6. Dr. Indu Sharma 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 **AUTOMATED PLANT DISEASE TREATING MACHINE** in the name of 1. Dr. Ashutosh Sharma 2. Dr. Aditi Sharma 3. Dr. Shalini Verma 4. Dr. Sonika Sharma 5. Dr. Deepika Sharma 6. Dr. Indu Sharma.

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.



*[Signature]*  
Director IQAC  
Sant Baba Bhag Singh University  
Vill-Khiala, Jalandhar-144030

*[Signature]*  
महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न  
Controller General of Patents, Designs and Trade Marks

जारी करने की तिथि : 24/06/2024  
Date of Issue

\*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.