

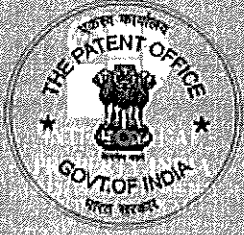


Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India



Application Details

APPLICATION NUMBER	202111051874
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	12/11/2021
APPLICANT NAME	1. Mr. Deepak Srivastava 2. Mr. Dilip Kumar J Saini 3. Mr. Neeraj Rathore 4. Dr. Shachi Mall 5. Mr. Ashutosh Bhatt 6. Dr. Suryabhan Pratap Singh 7. Dr. Rajkumar Jain 8. Ms. Pranjal Maurya 9. Dr. Shailesh Kumar 10. Mr. Devendra Prasad 11. Dr. Seema Garg
TITLE OF INVENTION	AN ARTIFICIAL INTELLIGENCE BASED SMART HAND SANITIZATION SYSTEM FOR ELDERLY
FIELD OF INVENTION	ELECTRONICS
E-MAIL (As Per Record)	info@lexgin.com
ADDITIONAL-E-MAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	26/11/2021



ORIGINAL

मूला/No : 118142



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

डिजाइन सं./ Design No. : 349458-001
तारीख / Date : 14/09/2021
पारस्परिकता तारीख / Reciprocity Date* :
देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **A THERMAL INSULATION AND SHOCK ABSORBING CONTAINER USING AIR CHAMBERS** से संबंधित है, का पंजीकरण, श्रेणी 09-03 में 1. Dr. Sudhanshu Aggarwal 2. Dr. Himanshu Pandey 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 09-03 in respect of the application of such design to **A THERMAL INSULATION AND SHOCK ABSORBING CONTAINER USING AIR CHAMBERS** in the name of 1. Dr. Sudhanshu Aggarwal 2. Dr. Himanshu Pandey.

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

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

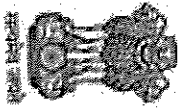
INTELLECTUAL
PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

निर्गमन की तारीख/Date of Issue : 07/11/2022


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

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

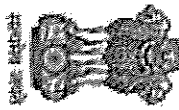


Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India

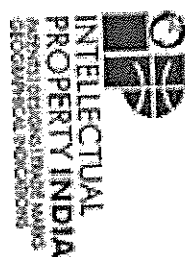


Application Details

APPLICATION NUMBER	202211035459
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	21/06/2022
APPLICANT NAME	1. Dr. Suryabhan Pratap Singh 2. Dr. Sachikanta Dash 3. Dr. Rajendra Kumar Das 4. Sameer Kumar Das 5. Virendra Kumar Verma 6. Dr. Subblah K 7. Monalisha Rout 8. Dr. Chinmay Shah 9. Naveen Rana 10. Dr Tribhuvan Kumar
TITLE OF INVENTION	A SYSTEM & METHOD FOR EDUCATIONAL APPROACHES USING 3D PRINTING AND MACHINE LEARNING
FIELD OF INVENTION	PHYSICS
E-MAIL (As Per Record)	a2zsoftech.2010@gmail.com
ADDITIONAL-E-MAIL (As Per Record)	a2zsoftech.2010@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	01/07/2022



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	202211036339
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	24/06/2022
APPLICANT NAME	1. Dr. Suryadhan Pratap Singh 2. Dr. Himanshu Sharma 3. Tapas Kumar Das 4. Raghunath Rout 5. Zarinabegam K Mundargi 6. Saleha Syed Ismail Saudagar 7. Surbhi Sharma 8. Pankaj Kunekar 9. Iskandar Muda 10. Mr. Kannadasan B
TITLE OF INVENTION	A SYSTEM & METHOD FOR THE DEVELOPMENT OF ADVANCED MACHINE LEARNING AND ITS IMPACT ON THE DIGITAL MARKET
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	a2ssoftech.2010@gmail.com
ADDITIONAL-EMAIL (As Per Record)	a2ssoftech.2010@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	--
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	08/07/2022



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	202211038706
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	05/07/2022
APPLICANT NAME	1. Dr. Suryabhan Pratap Singh 2. Dr. G. Radha Krishna Murthy 3. Dr. Anni Arnav 4. Dr. LB Muralidhar 5. Nitesh Kumar Saxena 6. Vipin Deval 7. Kanu Nanda 8. Dr. Melanie Lourens 9. Iskandar Muda 10. Mr. Kannadasan B.
TITLE OF INVENTION	METHODOLOGY TO OBSERVE THE IMPACT OF THE INTERNET OF THINGS ON JOB FLEXIBILITY AND PRODUCTIVITY IN THE IT ECONOMY
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	a2zsofech.2010@gmail.com
ADDITIONAL-E-MAIL (As Per Record)	a2zsofech.2010@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	..
PUBLICATION DATE (U/S 11A)	15/07/2022

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :08/10/2022

(21) Application No.202211057682 A

(43) Publication Date : 21/10/2022

(54) Title of the invention : MACHINE LEARNING AND DEEP LEARNING ARCHITECTURE FOR INTRUSION DETECTION WITH FEATURE SELECTION

(71)Name of Applicant :

1)Dr. Anuj Kumar Singh
Address of Applicant :Assistant Professor Department of Computer Science and Engineering, Ajay Kumar Garg Engineering College Ghaziabad Pin:201009 Uttar Pradesh India -----

2)Mr. Sandeep Kumar
3)Mr. Neeraj Rathore
4)Mr. Gaurav Aggarwal
5)Dr. Ashutosh Bhatt
6)Mr. Ritesh Kumar Singh
7)Mr. Munish Saran
8)Dr. Vivek Katiyar

Name of Applicant : NA
Address of Applicant : NA

(72)Name of Inventor :

1)Dr. Anuj Kumar Singh
Address of Applicant :Assistant Professor Department of Computer Science and Engineering, Ajay Kumar Garg Engineering College Ghaziabad Pin:201009 Uttar Pradesh India -----

2)Mr. Sandeep Kumar
Address of Applicant :Assistant Professor Department of Computer Science & Engineering, ABESIT Engineering College Ghaziabad, Pin: 201009 Uttar Pradesh India -----

3)Mr. Neeraj Rathore
Address of Applicant :Assistant Professor Senior Scale Emergent Cluster, School of Business, UPES, Kandoli Campus, Dehradun Pin:248001 Uttarakhand India -----

4)Mr. Gaurav Aggarwal
Address of Applicant :Assistant Professor Department of Computer science & Engineering Shivalik College of Engineering, Dehradun Pin: 248001 Uttarakhand India -----

5)Dr. Ashutosh Bhatt
Address of Applicant :Associate Professor Department of Computer science & Engineering Shivalik College of Engineering, Dehradun Pin: 248001 Uttarakhand India -----

6)Mr. Ritesh Kumar Singh
Address of Applicant :Assistant Professor School of Computer Science & Engineering, Noida Institute of Engineering & Technology, Plot-19, Knowledge Park II, Institutional Area, Greater Noida (UP) Pin: 201306 Uttar Pradesh India -----

7)Mr. Munish Saran
Address of Applicant :Research Scholar Deen Dayal Upadhyaya Gorakhpur University, Civil Lines, Gorakhpur (U.P.) Pin: 273009 Uttar Pradesh India -----

8)Dr. Vivek Katiyar
Address of Applicant :Assistant Professor Department of Applied Science and Humanities, Himalayan School of Science and Technology, Swami Rama Himalayan University, Dehradun, Pin: 248016 Uttarakhand India -----

(51) International classification :G06K0009620000, G06N0003080000, G06N0020000000, G06N0020200000, G06F0021550000

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

(87) International Publication No : NA

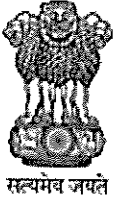
(61) Patent of Addition to Application Number :NA
Filing Date :NA

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

(57) Abstract :

A trustworthy intrusion system will deliver accurate categorization findings while saving time. This is a crucial element of any intrusion detection system. The primary objective of this research was to discover the optimal method for combining training functions and feature selection for optimal performance. We offer a method for identifying intrusions using a deep learning-based multi-classifier ensemble and the random forest feature selection method. With so much information to analyse, the intrusion detection system will undoubtedly identify redundant and noisy characteristics. If the classifier approach is inadequate, detection will become even less precise. After using random forest feature selection to establish the ideal subset of features for training the support vector machine, decision tree, naive bayes, and k-nearest neighbour classification algorithms, it used deep learning to aggregate the results from all four classifiers. The results of the experiment indicate that the proposed method has a strong chance of delivering substantially more precise intrusion detection than the conventional voting system.

No. of Pages : 11 No. of Claims : 10



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>)

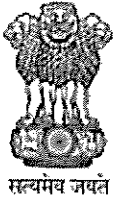


INTELLECTUAL
PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

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

Application Details

APPLICATION NUMBER	202221063227
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	04/11/2022
APPLICANT NAME	1 . N. C. Ajay Vishwath 2 . Brijeshkumar Jayantibhai Patel 3 . Dr. Suryabhan Pratap Singh 4 . Dr. Sheshang Degadwala 5 . Radhika Bharatbhai Patel 6 . Amitkumar Jaydevbhai Nayak
TITLE OF INVENTION	MACHINE LEARNING STRATEGIES APPROACH FOR ANALYSIS OF IOT TRAFFIC MECHANISMS IN AN IOT CLOUD ENVIRONMENT
FIELD OF INVENTION	ELECTRONICS
E-MAIL (As Per Record)	soni.mukesh15@gmail.com
ADDITIONAL-EMAIL (As Per Record)	soni.mukesh15@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	11/11/2022



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>)



INTELLECTUAL
PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

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

Application Details

APPLICATION NUMBER	202211063346
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	07/11/2022
APPLICANT NAME	1 . Komal 2 . Djabeur Mohamed Seifeddine Zekrifa 3 . Gurpreet Singh 4 . Dr. Sheshang Degadwala 5 . Debabrata Dansana 6 . Dr. Suryabhan Pratap Singh
TITLE OF INVENTION	PREDICTION OF MALICIOUS COMMUNICATION IN VEHICULAR ADHOC NETWORK USING ARTIFICIAL INTELLIGENCE TECHNIQUE.
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	soni.mukesh15@gmail.com
ADDITIONAL-EMAIL (As Per Record)	soni.mukesh15@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	18/11/2022

(19) United States

(12) Patent Application Publication
Srivastava et al.

(10) Pub. No.: US 2023/0154306 A1
(43) Pub. Date: May 18, 2023

(54) ARTIFICIAL INTELLIGENCE BASED SMART HAND SANITIZATION SYSTEM FOR ELDERLY

(30) Foreign Application Priority Data

Nov. 12, 2021 (IN) 202111051874

(71) Applicants: Deepak Srivastava, Dehradun (IN);
Dillip Kumar J. Saini, Dehradun (IN);
Neeraj Rathore, Dehradun (IN);
Shuchi Mall, Gorakhpur (IN);
Ashutosh Bhatt, Dehradun (IN);
Suryabhan Pratap Singh, Gorakhpur (IN);
Rajkumar Jain, Indore (IN);
Pranjal Maurya, Gorakhpur (IN);
Shallesh Kumar, Noida (IN);
Devendra Prasad, Dehradun (IN);
Seema Garg, Noida (IN)

Publication Classification

(51) Int. Cl.
G08B 21/24 (2006.01)
G08B 21/04 (2006.01)
G08B 7/06 (2006.01)
A61L 2/00 (2006.01)
A61L 2/24 (2006.01)

(52) U.S. Cl.
CPC G08B 21/245 (2013.01); G08B 21/04 (2013.01); G08B 7/06 (2013.01); A61L 2/0088 (2013.01); A61L 2/24 (2013.01); A61L 2/202/14 (2013.01); A61L 2/202/15 (2013.01)

(72) Inventors: Deepak Srivastava, Dehradun (IN);
Dillip Kumar J. Saini, Dehradun (IN);
Neeraj Rathore, Dehradun (IN);
Shuchi Mall, Gorakhpur (IN);
Ashutosh Bhatt, Dehradun (IN);
Suryabhan Pratap Singh, Gorakhpur (IN);
Rajkumar Jain, Indore (IN);
Pranjal Maurya, Gorakhpur (IN);
Shallesh Kumar, Noida (IN);
Devendra Prasad, Dehradun (IN);
Seema Garg, Noida (IN)

(57) ABSTRACT

The present invention relates to an artificial intelligence based smart hand sanitization system (100) for elderly is provided. The system (100) comprises an inlet pipe (102), a liquid chamber (104), a washing model (110), a collection chamber (106), and an outlet pipe (108). The washing model (110) comprises a plurality of sensors (112), a first scanner unit (116), and a plurality of moveable nozzles (114), a second scanner unit (118), a central processing unit (120), and an alert generating unit (122). The smart portable system (100) for hand-wash has a plurality of moveable nozzles (114) to wash the hands of the user without wetting the accessories and cloth of the user. The present invention is a detachable smart portable system (100) for hand wash that can detach from the wall and be re-fixed on the wall according to the user requirement.

(21) Appl. No.: 17/691,035

(22) Filed: Mar. 9, 2022

