ਮਹਾਰਾਜਾ ਰਣਜੀਤ ਸਿੰਘ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਟੀ, ਬਠਿੰਡਾ

MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY

(A State Univ. Estd. by Govt. of Punjab vide Punjab Act No. 5 of 2015 and Approved u/s 2(f) & 12 (B) of UGC; Member AIU)

Bathinda-151001 (Punjab), India

REPORT

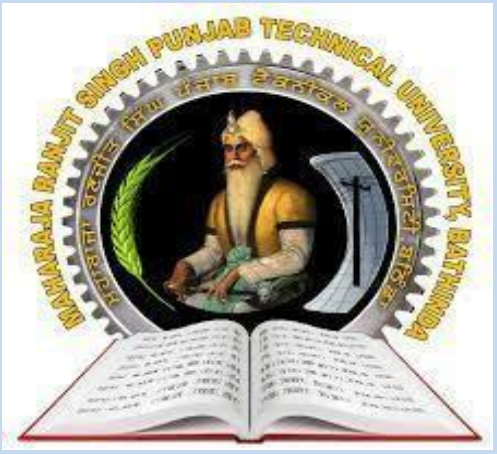
2016-2025

PATENTS/IPRs

MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY

Bathinda-151001 (Punjab), India

PATENTS/IPRs



2016-2025

INTERNAL QUALITY ASSURANCE CELL
MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY
BATHINDA 151001

PATENTS/IPRs [2016-2025]

Prepared by:

- Mr. Lakhan Sharma, Junior Assistant, IQAC

Year 2025

INTERNAL QUALITY ASSURANCE CELL

PATENTS/IPRs

2016-2025

Total number of IPRs published/awarded

Sr. No	Name of Inventor (Lead)	IPR Application Number	IPR Type	Title of the IPR	Year of Award / publish of IPR
1	Dr. Jatinder Kaur	L-75137/2018	Copyright	Kaur's energy efficiency tool	2018
2	Dr. Jatinder Kaur	303110	Design	Apparatus for identifying key parameters of energy efficient building design	2018
3	Dr. Kanwaljit Singh Sandhu	201811010846	Patent	Rapid process for synthesis of biodegradable starch films from non-edible starch sources	2018
4	Dr. Kanwaljit Singh Sandhu	201811037033	Patent	Biodegradable broad spectrum antimicrobial food packaging film and method thereof	2018
5	Sunita Kotwal	201941027667	Patent	System of computerized articles-sorting based on colour, shape, odor and weight-	2019
6	Dr. Anju Sharma	201911041107	Patent	Load balancers design system for fog computing using fuzzy logic	2019
7	Dr. Munish Kumar	2020103520	Patent	Real time object recognition method	2020
8	Dr. Ashish Baldi	329034-001	Design	Spray tunnel for sanitization	2020
9	Dr. Gurpreet Singh, Dr. Amit Kumar Manocha, Aashdeep Singh	2020102302	Patent	Underwater robots design and control mechanism using particle swarm optimization algorithm	2020
10	Dr. Gurpreet Singh	202041035424 A	Patent	Embedded real-time finger-vein detection based advanced security system	2020
11	Dr. Amit Kumar Manocha, Dr. Gurpreet Singh	2020102099	Patent	A rule based rootkit detection method using machine learning in embedded IoT device	2020
12	Dr. Amit Kumar Manocha, Dr.	202041036218 A	Patent	Artificial intelligence in modern large power system applications	2020

	Gurpreet Singh				
13	Aashdeep Singh	201941027667	Patent	Wireless sensor pillow for sleep monitoring and gesturerecognition system using embedded controller	2020
14	Sunita Kotwal	202111053834	Design	System of computerized articles-sorting based on color, shape,odor and weight.	2020
15	Dr. Ashish Baldi	329033-001	Design	Disinfection device	2021
16	Dr. Ashish Baldi	344784-001	Design	Pharmaceutical soxhlet apparatus	2021
17	Dr. Munish Kumar	2021101078	Patent	A method for gender classification based on offline handwriting and a system thereof	2021
18	Dr. Munish Kumar	2021100089	Patent	A method to word recognition for the postal automation and a system there of	2021
19	Dr. Munish Kumar	2021101097	Patent	A system and method for automatic playlist generation by analyzing human emotions through physiological signals	2021
20	Dr. Munish Kumar	2021101517	Patent	A pl recognition for visual surveillance	2021
21	Dr. Ashish Baldi	345033-001	Design	Hair comb with bristle cap and bottle	2021
22	Abhilasha Jain Swati Bansal	202111057174	Patent	A system of deep learning customer churn prediction model in e-commerce using data mining	2021
23	Dr. Mukesh Grover	202111053834	Patent	Probabilistic method in applied mathematics for restructuring power systems	2021
24	Dr. Gurpreet Singh, Dr. Amit Kumar Manocha, Aashdeep Singh	202141046324	Patent	AI and wireless based smart drug prescription management for autonomous drug delivery system	2021
25	Dr. Pritpal Singh Bhullar	202111026713	Patent	Efficient finance management based on software for autonomous cost analysis application	2021

26	Dr. Manoj Sharma	202111019087	Patent	Smart bangle for detecting the reason of infant's weeping	2021
27	Dr. Gurpreet Singh	2021103546	Patent	Hybrid network for real-time tracking using machine to machine communication	2021
28	Dr. Manoj Sharma	2021103042	Patent	A system and method for predicting badminton match outcome	2021
29	Dr. Gurpreet Singh	2021102089	Patent	Estimation of biomarkers for adaptive immunity in infectious diseases using smart IoT sensors and deep learning	2021
30	Dr. Ashish Baldi	5157506	Trademark	Ayush ashish	2021
31	Dr. Amit Bhatia	352091-001	Trademark	Atomizer for spray dryer	2021
32	Dr. Ashish Baldi	5157504	Trademark	Ayush ashish	2021
33	Dr. Ashish Baldi	5156013	Trademark	Ayush ashish	2021
34	Dr. Ashish Baldi	5155661	Trademark	Ayush ashish	2021
35	Dr. Ashish Baldi	5157507	Trademark	Q-check herbs & spices	2021
36	Dr. Ashish Baldi	5155662	Trademark	Q-check herbs & spices	2021
37	Dr. Ashish Baldi	5157505	Trademark	Q-check herbs & spices	2021
38	Dr. Ashish Baldi	5156015	Trademark	Q-check herbs & spices	2021
39	Dr. Ashish Baldi	5156014	Trademark	Ayush ashish	2021
40	Dr. Meenu	6888/MY/1 (Malaysian Patent)	Patent	Novel Metal Organic Framework Adsorbent and Synthesis Thereof	2022
41	Dr. Gurpreet Singh	202241001674 A	Patent	Design of Automatic Time Table Generator	2022
42	Dr. Aashdeep Singh, Dr. Amit Kumar Manocha, Dr. Gurpreet Singh, Shilpa, Suman Rani	202211050439 A	Patent	An Artificial Intelligence approach for Neoteric Sustainable farming environment using Blockchain	2022
43	Dr. Gurpeet Singh, Dr. Amit Kumar Manocha, Dr.	202211050434 A	Patent	A Deep Learning Based System for Detecting Road Bumps	2022

	Aashdeep Singh, Shilpa, Suman Rani				
44	Sonia Gudwani	202241065504 A	Patent	A Smart Evaluation Method of the Effect of Economic Development on Crypto Currency Using Machine Learning Techniques	2022
45	Dr. Gurpreet Singh, Dr. Aashdeep Singh, Dr. Amit Kumar Manocha	202311027479 A	Patent	A Collaborative Learning System using Social Media and Cloud Technology Slope One Scheme	2023
46	Dr. Amit Kumar Manocha, Dr. Aashdeep Singh, Dr. Gurpreet Singh	202311088084 A	Patent	Artificial Intelligence Based Model for Power Control and Management Slope One Scheme	2023
47	Dr. Aashdeep Singh, Dr. Gurpreet Singh	202311027480 A	Patent	A Multi-Agent Approach for Devices Management and Control In IOT Environment Slope One Scheme	2023
48	Munish Kumar, Manmeet Kaur, Manjot Rani, Veenu Rani	202311000000	Patent	A system and method for human identification by gait using convolutional neural network	2023
49	Bhatia A., Mandal UK, Chopra S, Singh S.,Kumar M., Garg Y., Kumar S., Chaurasia S., Singh S.,	350439-001	Design	Diffusion cell assembly	2023
50	Ram Kumar	6298501		Digital spectrophotometer	2023
51	Dr. Amit Bhatia, Dr. Uttam Mandal, Mohit Kumar, Simran Chaurasia, Yogesh Garg, Shiv Kumar, Shubham Singh, Dr. Kamaljit Singh Boparai	367675-001	Design	Extruder for making edible straw	2023
52	Dr. Amit Bhatia, Dr. Uttam Mandal, Dr.	366860-001	Design	Mosquito trapper	2023

	Shruti Chopra, Dr. Kamaljeet Singh Boparai, Dr. Satpal Singh, Mohit Kumar, Yogesh Garg, Shiv Kumar, Shiv Kumar, Simran Chaurasia, Shubham Singh				
53	Dr. Amit Kumar Manocha, Kapil Sethi, Rajni Verma, Fatehjeet Kaur Chopra, Shilpa, Sakshi Dhawan, Leena, Jyoti, Gurpreet Singh, Aashdeep Singh	202411067775 A	Patent	Multilevel Inverter With Harmonic Elimination With Adaptive Switching for Improved Power Quality	2024
54	Dr. Amit Manocha Dr. Shilpa Dr. Gurpreet Singh	202311045945 A	Patent	IOT Based Nutrient Prediction Device in Soilless cultivation System	2024
55	Dr. Sukhjinder Singh	202421088718A		AI enhanced system for predicting boby constitution in ayurveda	2024
56	Meenu Arora	202211056549 A		Novel metal organic framework adsorbent and synthesis thereof	2024
57	Meenu Arora	202211061760A		Novel CuxOy nanoparticles with high nitrogen content immobilized on the surface of metal organic framework (MOF)	2024
58	Meenu Arora	202211061761A		Synthesis of CuxOy nanoparticles from plastic waste and its applications.	2024
59	Kanwaljit Singh	385259-001	Design	Multi-utility sofa cum table set	2024
60	Dr. Navjot Kanwar	6327950	Design	Infusion pump apparatus for liposome based encapsulated drug delivery for treatment of cancer.	2024
61	Pawan Kumar	405215-001	Design	Advanced mice cage with temperature and humidity control system	2024
62	Ram Kumar, Pawan Kumar, Jyoti Bala	440098-001	Design	Multipurpose basket	2024

63	Amit Kumar Manocha, Neha Rani, Jaswinder Singh, Ved Parkash	202411069170 A	Patent	Adaptive Intelligent Controller for Efficient Thermoelectric Power Harvesting with Remote	2024
64	Amit Kumar Manocha, Ved Parkash	202411083007 A	Patent	Energy Harvesting and Management System for Multi Axle Vehicle With Real-Time Monitoring	2024
65	Amit Kumar Manocha	202411083100 A	Patent	Low Loss Four Element Enhanced Patch Mm-Wave Antenna with Gain Control Tunability and Reconfigurable Features	2024
66	Amit Kumar Manocha	202411063641 A	Patent	MEMS-Based Adaptive Bile Flow Pump with Integrated Sensors and Remote Control	2024
67	Sakshi Dhawan, Dr. Aashdeep Singh	202441002776 A	Patent	IoT Enhanced Secure Data Encryption and Transmission for Next generation computing environments	2024
68	Veena Sharma, Gagan Gupta, Ashish Baldi	456871-001	Design	Aerosol monitoring chamber for laboratory use	2025
69	Gagan Gupta, Veena Sharma, Ashish Baldi	470501-001	Design	Adjustable cutter for membrane filter	2025
70	Ashish Baldi, Veena Sharma, Gagan Gupta	470502-001	Design	Image capture device for development of herbal database	2025
71	Dr. Munish Kumar, Manmeet Kaur, Manjot Rani	469913-001	Design	Real-Time Facial Emotion Recognition And Analysis Device	2025
72	Dr. Munish Kumar, Manmeet Kaur, Manjot Rani	469914-001	Design	Human Activity Recognition And Monitoring Device	2025
73	Gurpreet Singh	6416121	Design	Wireless Charging Station Integrated With Sensor	2025
74	Sakshi	202521080196 A	Patent	AI- Based Personalized Education with Emotion Context Insights	2025
75	Dr. Anam Bansal, Dr. Naresh Kumar Garg	202511008514	Patent	A System And Method For Environmental Sound Classification To Enhance Elders' Safety	2025
76	Dr. Manoj Sharma	557775	Patent	Smart Vaccum Cleaner with an Object Recognizer and Waste Separator	2025

Copyright Office
Government of India

सत्यमेव जयते

Extracts from the Register of Copyrights

Dated : 12/03/2018

1.	Registration Number	: L-75137/2018
2.	Name, address and nationality of the applicant	: JATINDER KAUR , H.NO. P 11, STAFF COLONY, GZSCCET, DABWALI ROAD, BATHINDA PUNJAB INDIA-151001 INDIAN DR. PRABHJOT KAUR , 4125, SECTOR 68, MOHALI, PUNJAB INDIA-160062 INDIAN
3.	Nature of the applicant's interest in the copyright of the work	: AUTHOR
4.	Class and description of the work	: LITERARY/ DRAMATIC WORK
5.	Title of the work	: KAUR'S ENERGY EFFICIENCY DESIGN TOOL
6.	Language of the work	: ENGLISH
7.	Name, address and nationality of the author and if the author is deceased, date of his decease	: JATINDER KAUR , H.NO. P 11, STAFF COLONY GZSCCET, DABWALI ROAD, BATHINDA PUNJAB INDIA-151001 INDIAN DR. PRABHJOT KAUR , 4125, SECTOR 68, MOHALI, PUNJAB INDIA-160062 INDIAN
8.	Whether the work is published or unpublished	: UNPUBLISHED
9.	Year and country of first publication and name, address and nationality of the publisher	: N.A.
10.	Years and countries of subsequent publications, if any, and names, addresses and nationalities of the publishers	: N.A.
11.	Names, addresses and nationalities of the owners of various rights comprising the copyright in the work and the extent of rights held by each, together with particulars of assignments and licences, if any	: JATINDER KAUR , H.NO. P 11, STAFF COLONY GZSCCET, DABWALI ROAD, BATHINDA PUNJAB INDIA-151001 INDIAN DR. PRABHJOT KAUR , 4125, SECTOR 68, MOHALI, PUNJAB INDIA-160062 INDIAN
12.	Names, addresses and nationalities of other persons, if any, authorised to assign or licence of rights comprising the copyright	: N.A.
13.	If the work is an 'Artistic work', the location of the original work, including name, address and nationality of the person in possession of the work. (In the case of an architectural work, the year of completion of the work should also be shown)	: N.A.
14.	If the work is an 'Artistic work', whether it is registered under the Designs Act 2000 if yes give details.	: N.A.
15.	If the work is an 'Artistic work', capable of being registered as a design under the Designs Act 2000 whether it has been applied to an article though an industrial process and if yes ,the number of times it is reproduced.	: N.A.
16.	Remarks, if any	:

Diary Number : 3011/2018-CO/L
Date of Application : 27/02/2018
Date of Receipt : 27/02/2018

DEPUTY REGISTRAR OF COPYRIGHTS

ORIGINAL

No. 70701

भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE

CERTIFICATE OF REGISTRATION OF DESIGN

Design No.	303110
Date	01/03/2018 18:42:19
Reciprocity Date*	
Country	

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 10-04 in respect of the application of such design to APPARATUS FOR IDENTIFYING KEY PARAMETERS OF ENERGY EFFICIENT BUILDING DESIGN in the name of 1.JATINDER KAUR, ASSOCIATE PROFESSOR, DEPARTMENT OF ARCHITECTURE, GZSCCET, MRSPTU, BATHINDA, PUNJAB INDIA 151001. 2. DR. PRABHJOT KAUR, PROFESSOR, ARCHITECTURE, SCHOOL OF BUILT ENVIRONMENT, PIT, KHUNIMAJRA, MOHALI, PUNJAB INDIA.

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

Controller General of Patents, Designs and Trade Marks

*The reciprocity date (if any) which has been allowed and the name of the country.
Copyright in the design will subsist for ten years from the date of Registration, and may underthe 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

CERTIFICATE OF NATIONAL PATENT FILING

Title of the invention: RAPID PROCESS FOR SYNTHESIS OF BIODEGRADABLE STARCH FILMS FROM NON-EDIBLE STARCH SOURCES

Applicant / Assignee:
SHOOLINI UNIVERSITY OF BIOTECHNOLOGY AND MANAGEMENT SCIENCES, Post Office Box No 9, Head Post Office, The Mall, Solan-173212, Himachal Pradesh, INDIA.

Inventors:

S.No.	Name	Address
1.	**THORY RAHUL**	Assistant Professor School of Bioengineering and Food Technology, Management Sciences, Post Office Box No 9, Head Post Office, The Mall, Solan-173212, Himachal Pradesh, India. E mail ID: rahthory@gmail.com Phone No. +91-9466266628
2.	**SANDHU KAWALJIT SINGH**	Associate Professor & Head Department of Food Science & Technology, Maharaja Ranjit Singh Punjab Technical University, Bathinda-151001,Punjab, India. Email ID: kawsandhu@rediffmail.com Phone No: +91-9896268539
3.	**SINHMAR ARCHANA**	Project Fellow Department of Food Science and Technology, Chaudhary Devi Lal University, Sirsa-125055, Haryana, India. Email ID: archanathory@gmail.com Phone No. +91-9882634356

PATENT APPLICATION FILING DATE:
PATENT FILING NUMBER: 201811010846
Patent Agent: `Er. (Mrs.)Kompal Bansal`
Corporate Consultants
5568, Sector 38-West, Chandigarh-160014 INDIA
Certified that the above given particulars are correct and duly verified by me.

KOMPAL BANSAL
Patent Agent for the applicant
(Regn. No.IN/PA/1754)

DATED: 23/03/2018
PLACE: CHANDIGARH

CERTIFICATE OF NATIONAL PATENT FILING

Title of the invention: BIODEGRADABLE BROAD SPECTRUM ANTIMICROBIAL FOOD PACKAGING FILM AND METHOD THEREOF

Applicant / Assignee:
SHOOLINI UNIVERSITY OF BIOTECHNOLOGY AND MANAGEMENT SCIENCES, Post Office Box No 9, Head Post Office, The Mall, Solan-173212, Himachal Pradesh, INDIA.

Inventors:

Name	Address
THORY RAHUL	Assistant Professor School of Bioengineering and Food Technology, Shoolini University, Post Office Box No 9 Head Post Office, The Mall, Solan-173212 Himachal Pradesh, India. Email: rahthory@gmail.com Contact No.: +91-9466266628
RANI CHETNA	School of Bioengineering and Food Technology Shoolini University, Post Office Box No 9 Head Post Office, The Mall, Solan-173212 Himachal Pradesh, India. E mail ID:chetnathakur95@gmail.com Contact No. +91-9417388426
KAUR MANINDER	Assistant Professor Department of Food Science and Technology, Guru Nanak Dev University, Amritsar, Punjab-143005, India. Email ID: mandyvirk@rediffmail.com Contact No.:+91-9872210559
SANDHU KAWALJIT SINGH	Associate Professor & Head Department of Food Science & Technology, Maharaja Ranjit Singh Punjab Technical University Bathinda,Punjab,-151001,India. Email ID: kawsandhu@rediffmail.com Contact No. :+91-9896268539
SINHMAR ARCHANA	School of Bioengineering and Food Technology, Shoolini University of Biotechnology and Management Sciences, Post Office Box No 9, Head Post Office, The Mall, Solan-173212, Himachal Pradesh, India. E mail ID: archanathory@gmail.com Contact No.; +91-9882634356

PATENT APPLICATION FILING DATE: 01/10/2018
PATENT FILING NUMBER: 201811037033
Patent Agent: Er. (Mrs.)Kompal Bansal
Corporate Consultants
5568, Sector 38-West, Chandigarh-160014 INDIA
Certified that the above given particulars are correct and duly verified by me.

KOMPAL BANSAL
Patent Agent for the applicant
(Regn. No.IN/PA/1754)

DATED: 01/10/2018
PLACE: CHANDIGARH

INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

सत्यमेव जयते
GOVERNMENT OF INDIA

Controller General of Patents,Designs and Trademarks
Department of Industrial Policy and Promotion
Ministry of Commerce and Industry

Application Details

APPLICATION NUMBER	201941027667
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	10/07/2019
APPLICANT NAME	1 . Dr. Rashmi Soni 2 . Dr. Mohseena Thaseen 3 . Dr. Piyush Kumar Shukla 4 . Dr. Prashant Kumar Shukla 5 . Dr. S. K. Dhakad 6 . Vishavdeep Jindal 7 . Sunita Kotwal 8 . Dr. Pankaj Agarwal 9 . Deepak Kumar 10 . Pankaj Mittal
TITLE OF INVENTION	SYSTEM OF COMPUTERIZED ARTICLES- SORTING BASED ON COLOR, SHAPE, ODOR, AND WEIGHT
FIELD OF INVENTION	GENERAL ENGINEERING
E-MAIL (As Per Record)	balram.bme@gmail.com
ADDITIONAL-EMAIL (As Per Record)	balram.bme@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	12/07/2019

Application Status

APPLICATION STATUS **Application Published**

View Documents

INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

सत्यमेव जयते
GOVERNMENT OF INDIA

Controller General of Patents,Designs and Trademarks
Department of Industrial Policy and Promotion
Ministry of Commerce and Industry

Application Details

APPLICATION NUMBER	201911041107
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	11/10/2019
APPLICANT NAME	1 . SIMAR PREET SINGH 2 . ANJU SHARMA 3 . RAJESH KUMAR
TITLE OF INVENTION	LOAD BALANCERS DESIGN SYSTEM FOR FOG COMPUTING USING FUZZY LOGIC
FIELD OF INVENTION	COMMUNICATION
E-MAIL (As Per Record)	ashish.iprindia@hotmail.com
ADDITIONAL-EMAIL (As Per Record)	ashish.iprindia@hotmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	08/11/2019

Application Status

APPLICATION STATUS **Application Published**

View Documents

Australian Government

IP Australia

CERTIFICATE OF GRANT

INNOVATION PATENT

Patent number: 2020103520

The Commissioner of Patents has granted the above patent on 3 March 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Monika Bansal of Assistant Professor Department of, Computer Science SSD Women's Institute of Technology Bathinda 151001 India

Munish Kumar of Department of Computational Sciences, Maharaja Ranjit Singh Punjab Technical University Bathinda India

Manish Kumar of Assistant Professor Department of Computer Science Baba Farid College Bathinda India

Krishan Kumar of Professor Department of Information, Technology University Institute of Engineering and Technology Panjab University Chandigarh India

Title of invention:

REAL TIME OBJECT RECOGNITION METHOD

Name of inventor(s):

Bansal, Monika; Kumar, Munish; Kumar, Manish and Kumar, Krishan

Term of Patent:

Eight years from 18 November 2020

NOTE: This Innovation Patent cannot be enforced unless and until it has been examined by the Commissioner of Patents and a Certificate of Examination has been issued. See sections 120(1A) and 129A of the Patents Act 1990, set out on the reverse of this document.

Dated this 3rd day of March 2021

Commissioner of Patents

PATENTS ACT 1990

INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

GOVERNMENT OF INDIA

Controller General of Patents,Designs and Trademarks
Department of Industrial Policy and Promotion
Ministry of Commerce and Industry

Design Application Details

Application Number:	329034-001
Cbr Number:	7312
Cbr Date:	4/25/2020 2:36:01 AM
Applicant Name:	**Dr. Ashish Baldi**

Design Application Status

Application Status:	Case is in Amended Case of Controller

Back

Disclaimer: Application status is available for the Application filed on or after 1st April 2009 with application no 222230 The information under " Design Application Status" is dynamically retrieved and is under testing, therefore the information retrieved by this system is not valid for any legal proceedings under the Design Act 2000. In case of any discrepancy you may contact the appropriate Patent Office or send your comments to following email IDs

Design Office, Kolkata : controllerdesign.ipo@nic.in

Controller General of Patents, Designs and Trademarks

Australian Government
IP Australia

Total Payable (AU): **$180.00**

SUMMARY

Your reference Krishnamohan

Applicant or Agent Selection | Applicants | Main Contact | Invention Details | Related Applications | Specification | Entitlement | Additional Requests | Summary

Fees payable

Patents New Application (Innovation)	$180.00
Total payable (AU)	**$180.00**

Applicants

Dr Krishna Mohan S	Professor, Department of Mechanical Engineering, E. G. S. Pillay Engineering College, Old Nagore Road, Thethi Village, Nagapattinam, Tamil Nadu- 611002 India
Dr Lakshmi Prasad M	Associate Professor, Department of CSE, NBKRIST, Nellore, Andhra Pradesh- 524413 India
Dr Gurpreet Singh	Associate Professor, Department of CSE, Punjab Institute of Technology, (A Constituent College of MRSPTU Bathinda), Rajpura, District Patiala, Punjab- 140401 India
Dr Amanpreet Kaur	Associate Professor, Computer Applications, University Institute of Computing, Chandigarh University, Gharaun, District Mohali, Punjab- 140413 India
Dr Amit Kumar Manocha	Associate Professor, Department of Electrical Engineering, Punjab Institute of Technology, (A Constituent College of MRSPTU Bathinda), GTBGarh, Moga, Punjab- 142049 India
Mr Aashdeep Singh	Assistant Professor, Department of CSE, Punjab Institute of Technology, (A Constituent College of MRSPTU Bathinda), Rajpura, District Patiala, Punjab- 140401 India
Dr Thamarai Selvi G	Professor, Department of ECE, Sri Sai Ram Institute of Technology, Sai Leo Nagar, West Tambaram, Chennai, Tamil Nadu - 600044 India
Mr Faizal N	Lecturer, Department of Computer Science, University of Kerala, Trivandrum, Kerala- 695581 India
Dr Gurram Sunitha	Professor, Department of CSE, Sree Vidyanikethan Engineering College, Sree Sainath Nagar, Tirupati, Andhra Pradesh- 517102, India
Dr Shanthi D	Associate Professor, Department of CSE, CVR College of Engineering, Mangalpali, Ibrahimpatnam, Hyderabad, Telangana- 501510 India

Main Contact

Name Dr Krishna Mohan S

Address for correspondence Professor, Department of Mechanical Engineering, E. G. S. Pillay Engineering College, Old Nagore Road, Thethi Village, Nagapattinam, Tamil Nadu- 611002 India

Address for service of notices 5, westmead NSW 2145 Australia

Contact person Dr Krishna Mohan S

Phone

Fax

Mobile 8667203368

Email address krishnamohan@egspec.org

Invention Details

Invention title UNDERWATER ROBOTS DESIGN AND CONTROL MECHANISM USING PARTICLE SWARM OPTIMIZATION ALGORITHM

Inventors Dr Krishna Mohan S
Dr Lakshmi Prasad M
Dr Gurpreet Singh

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :17/08/2020

(21) Application No.202041035424 A
(43) Publication Date : 04/09/2020

(54) Title of the invention : EMBEDDED REAL-TIME FINGER-VEIN DETECTION BASED ADVANCED SECURITY SYSTEM

(51) International classification	:G08B13/00
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)Dr. MURUGANANTH GOPAL RAJ
Address of Applicant :S/O, P. Gopal Raj, 23, Annamalai Nagar, Vadakipalayam Pirivu, Coimbatore Road, Pollachi 642 002, Tamil Nadu, India Tamil Nadu India
2)Dr. P. BALAJI SRIKAANTH
3)Dr. VEERAMANI MARIMUTHU
4)Dr. G. RAMKUMAR
5)M. TAMILSELVI
6)Dr. GURPREET SINGH
7)K. AJITA LAKSHMI
8)BALAMURUGAN S. M.
9)Dr. SURESH BABU V
10)Dr. SURAYA MUBEEN
(72)**Name of Inventor :**
1)Dr. MURUGANANTH GOPAL RAJ
2)Dr. P. BALAJI SRIKAANTH
3)Dr. VEERAMANI MARIMUTHU
4)Dr. G. RAMKUMAR
5)M. TAMILSELVI
6)Dr. GURPREET SINGH
7)K. AJITA LAKSHMI
8)BALAMURUGAN S. M.
9)Dr. SURESH BABU V
10)Dr. SURAYA MUBEEN

(57) Abstract :
ABSTRACT EMBEDDED REAL-TIME FINGER-VEIN DETECTION BASED ADVANCED SECURITY SYSTEM A finger-vein recognition (FVR) system is disclosed. It consists of three hardware modules. The image acquisition module is used to collect finger-vein images. The DSP main board including the DSP chip, memory (flash), and communication port is used to execute the finger-vein recognition algorithm and communicate with the peripheral device. A human- machine communication module (LED or keyboard) is used to display recognition results and receive inputs from users. The finger-vein recognition algorithm contains two stages: the enrollment stage and the verification stage.

No. of Pages : 17 No. of Claims : 2

Australian Government

IP Australia

CERTIFICATE OF GRANT
INNOVATION PATENT

Patent number: 2020102099

The Commissioner of Patents has granted the above patent on 30 September 2020, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

MURUGANANTH GOPAL RAJ of S/o. P. Gopal Raj, 23. Annamalai Nagar, Vadakipalayam Pirivu Behind Murugn Mahal, Coimbatore Road, Pollachi, Tamil Nadu- 642002 India

BALAJI SRIKAANTH P of "Pranav Praba", Plot No. 21, 3rd Main road Navasakthi Nagar Pondicherry- 605 009 India

PERIASAMY J.K of Associate Professor, Department ECE, Sri Sairam Engineering College Sai Leo Nagar, West Tambaram Chennai, Tamil Nadu - 600044 India

SUJATHA M of Professor, Department of ECE, Saveetha School of Engineering Saveetha Institute of Medical and Technical Sciences (Deemed University),Chennai,TN- 602105 India

THAIYALNAYAKI K of Associate Professor, Dept.of VLSI Systems and Comm. Tech, Institute of ECE Saveetha School of Engineering, SIMATS Saveetha Nagar, Chennai, Tamil Nadu - 602105 India

AMIT KUMAR MANOCHA of Associate Professor, Department of Electrical Engineering, Punjab Institute of Technology (A Constituent College of MRSPTU Bathinda), GtbGarh, Moga, Punjab- 142049 India

SARAVANAN M of Assistant Professor, Department of ECE, Annamalai University Faculty of Engg. & Technology Chidambaram, Tamil Nadu- 608002 India

KANIMOZHI R of Associate Professor, Department of ECE, Annamalai University Faculty of Engg. & Technology Chidambaram, Tamil Nadu- 608002 India

GURPREET SINGH of Associate Professor, Department of CSE, Punjab Institute of Technology (A Constituent College of MRSPTU Bathinda), Rajpura, District Patiala, Punjab- 140401 India

AMANPREET KAUR of Associate Professor, University Institute of Computing Chandigarh University Gharaun, District Mohali, Punjab- 140413 India

Title of invention:

A Rule based Rootkit Detection Method using Machine Learning in Embedded IoT Devices

Name of inventor(s):

RAJ, MURUGANANTH GOPAL; P., BALAJI SRIKAANTH; J.K, PERIASAMY; M., SUJATHA; K., THAIYALNAYAKI; MANOCHA, AMIT KUMAR; M., SARAVANAN; R., KANIMOZHI; SINGH, GURPREET and KAUR, AMANPREET

Term of Patent:

Eight years from 2 September 2020

Dated this 30th day of September 2020

Commissioner of Patents

COMMONWEALTH OF AUSTRALIA AUSTRALIA PATENT OFFICE

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :22/08/2020

(21) Application No.202041036218 A
(43) Publication Date : 04/09/2020

(54) Title of the invention : ARTIFICIAL INTELLIGENCE IN MODERN LARGE POWER SYSTEM APPLICATIONS

(51) International classification :G06N 20/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)Dr. Y. RAJENDRA BABU
Address of Applicant :Flat Number 92, 9th Block, Third Floor, Lotus Akash Apartments, Lotus Land Mark, Ayodhya Nagar, Vijayawada 520 001, Andhra Pradesh, India Andhra Pradesh India
2)Dr. S. SHANTHI
3)Dr. AMIRTHALAKSHMI. T. M
4)Dr. G. RAMKUMAR
5)M. TAMILSELVI
6)Dr. AMIT KUMAR MANOCHA
7)Dr. GURPREET SINGH
8)R. KANIMOZHI
9)Dr. AMANPREET KAUR
10)Dr. A. ANUSHYA
(72)**Name of Inventor :**
1)Dr. Y. RAJENDRA BABU
2)Dr. S. SHANTHI
3)Dr. AMIRTHALAKSHMI. T. M
4)Dr. G. RAMKUMAR
5)M. TAMILSELVI
6)Dr. AMIT KUMAR MANOCHA
7)Dr. GURPREET SINGH
8)R. KANIMOZHI
9)Dr. AMANPREET KAUR
10)Dr. A. ANUSHYA

(57) Abstract :
ABSTRACT ARTIFICIAL INTELLIGENCE IN MODERN LARGE POWER SYSTEM APPLICATIONS The present invention is related to the field of Power systems and Artificial intelligence. The modern power system operates close to the limits due to the ever increasing energy consumption and the extension of currently existing electrical transmission networks and lines. This situation requires a less conservative power system operation and control operation which is possible only by continuously checking the system states in a much more detailed manner than it was necessary. Sophisticated computer tools are now the primary tools in solving the difficult problems that arise in the areas of power system planning, operation, diagnosis and design. Among these computer tools, Artificial Intelligence has grown predominantly in recent years and is applied to various areas of power systems.

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/09/2020

(21) Application No.202041040599 A
(43) Publication Date : 25/09/2020

(54) Title of the invention : WIRELESS SENSOR PILLOW FOR SLEEP MONITORING AND GESTURE RECOGNITION SYSTEM USING EMBEDDED CONTROLLER

(51) International classification :A61B5/6892
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)AASHDEEP SINGH
Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, Punjab Institute of Technology (A Constituent College of MRSPTU, Bathinda), Near ITI Chowk, Rajpura 140 401, District Patiala, Punjab, India Punjab India
2)B. V. RAMANA
3)KANAGARAJ VENUSAMY
4)Dr. GURURAJ MURTUGUDDE
5)M. TAMILSELVI
6)MANJU BAGGA
7)Dr. G. THAMARAI SELVI
8)D. SENTHIL KUMAR
9)J. REEGAN
10)RAJESH GEORGE RAJAN
(72)**Name of Inventor :**
1)AASHDEEP SINGH
2)B. V. RAMANA
3)KANAGARAJ VENUSAMY
4)Dr. GURURAJ MURTUGUDDE
5)M. TAMILSELVI
6)MANJU BAGGA
7)Dr. G. THAMARAI SELVI
8)D. SENTHIL KUMAR
9)J. REEGAN
10)RAJESH GEORGE RAJAN

(57) Abstract :
ABSTRACT WIRELESS SENSOR PILLOW FOR SLEEP MONITORING AND GESTURE RECOGNITION SYSTEM USING EMBEDDED CONTROLLER The present invention is a sleep monitoring system consisting of a pillow-embedded sensor array, a wireless sensor network and PC software for real-time on-pillow motion tracking. Wireless network based on low-cost ZigBee technology is used to transfer data from the pillow to a computer. ZigBee technology is very appropriate for implementation of a low-cost network where a large number of pillows can be connected simultaneously. Additionally the sleep monitoring system comprises an algorithm that can distinguish between sleep stages and wakefulness. The resulted gestural data provides useful information for sleep medicine and health research. In addition, we can detect some physiological parameters like body temperature during the sleep stages and wakefulness as well as record cardiorespiratory activity as related to different physiological factors. The integration of the sensor system and wireless technology with computer software could make this healthcare monitoring system a commercial product valuable for point-of care applications.

No. of Pages : 17 No. of Claims : 3

INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

GOVERNMENT OF INDIA

Controller General of Patents,Designs and Trademarks
Department of Industrial Policy and Promotion
Ministry of Commerce and Industry

Application Details

APPLICATION NUMBER	201941027667
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	10/07/2019
APPLICANT NAME	1 . Dr. Rashmi Soni 2 . Dr. Mohseena Thaseen 3 . Dr. Piyush Kumar Shukla 4 . Dr. Prashant Kumar Shukla 5 . Dr. S. K. Dhakad 6 . Vishavdeep Jindal 7 . Sunita Kotwal 8 . Dr. Pankaj Agarwal 9 . Deepak Kumar 10 . Pankaj Mittal
TITLE OF INVENTION	SYSTEM OF COMPUTERIZED ARTICLES- SORTING BASED ON COLOR, SHAPE, ODOR, AND WEIGHT
FIELD OF INVENTION	GENERAL ENGINEERING
E-MAIL (As Per Record)	balram.bme@gmail.com
ADDITIONAL-EMAIL (As Per Record)	balram.bme@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	NA
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	12/07/2019

Application Status

APPLICATION STATUS **Application Published**

View Documents

DESIGN NUMBER	329033-001
CLASS	24-01
DR. ASHISH BALDI, DEPARTMENT OF PHARMACEUTICAL SCIENCES & TECHNOLOGY, MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY, DABWALI ROAD, BATHINDA PUNJAB INDIA PIN CODE 151001	
DATE OF REGISTRATION	25/04/2020
TITLE	DISINFECTION DEVICE
PRIORITY NA	

DESIGN NUMBER	329050-001
CLASS	26-06
GREAT WALL MOTOR COMPANY LIMITED, 2266 CHAOYANG SOUTH STREET, BAODING CITY, HEBEI PRO.,P.R.CHINA	
DATE OF REGISTRATION	27/04/2020
TITLE	FRONT COMBINATION LAMP FOR AN AUTOMOBILE

PRIORITY

PRIORITY NUMBER	DATE	COUNTRY
201930709889.4	18/12/2019	CHINA

DESIGN NUMBER	329057-001
CLASS	16-01
BEIJING XIAOMI MOBILE SOFTWARE CO., LTD., NO. 018, FLOOR 8, BUILDING 6, YARD 33, MIDDLE XIERQI ROAD, HAIDIAN DISTRICT, BEIJING 100085, CHINA.	
DATE OF REGISTRATION	27/04/2020
TITLE	CAMERA

PRIORITY

PRIORITY NUMBER	DATE	COUNTRY
201930615357.4	08/11/2019	CHINA

ORIGINAL

No. 100338

भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE

CERTIFICATE OF REGISTRATION OF DESIGN

Design No. 344784-001
Date 15/06/2021 23:10:37
Reciprocity Date*
Country

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 24-01 in respect of the application of such design to PHARMACEUTICAL SOXHLET APPARATUS in the name of 1.DR. ASHISH BALDI, PROFESSOR, DEPARTMENT OF PHARMACEUTICAL SCIENCES AND TECHNOLOGY, MAHARAJA RANJIT SINGH, PUNJAB TECHNICAL UNIVERSITY, BATHINDA, PUNJAB 151001 (PRINCIPAL INVESTIGATOR-DST SERB PROJECT CRG/2018/000425), INDIA 2. SUBH NAMAN, DST-SERB JRF, DEPARTMENT OF PHARMACEUTICAL SCIENCES AND TECHNOLOGY, MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY, BATHINDA, PUNJAB, INDIA 3. RANJIT SINGH KUSHWAHA, RESEARCH FELLOW, DEPARTMENT OF PHARMACEUTICAL SCIENCES AND TECHNOLOGY, MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY, BATHINDA, PUNJAB, INDIA 4. ASHISH JAIN, RESEARCH FELLOW, DEPARTMENT OF PHARMACEUTICAL SCIENCES AND TECHNOLOGY, MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY, BATHINDA, PUNJAB, INDIA

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

Controller General of Patents, Designs and Trade Marks

*The reciprocity date (if any) which has been allowed and the name of the country.
Copyright in the design will subsist for ten years from the date of Registration, and may underthe 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

SANJEEV KUMAR,
IP KAVACH, 251/10 KRISHNA NAGAR, SHAHABAD
MARKANDA, DISTT KURUKSHETRA, HARYANA 136135

Date of Issue 26/07/2021 15:44:45

Australian Government

IP Australia

CERTIFICATE OF GRANT
INNOVATION PATENT

Patent number: 2021101078

The Commissioner of Patents has granted the above patent on 14 April 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Shaveta Dargan of Maharaja Ranjit Singh, Punjab Technical University Bathinda 151001 India

Munish Kumar of Maharaja Ranjit Singh Punjab Technical University Bathinda India

Anupam Garg of Assistant Professor, Thapar Institute of Engineering and Technology Patiala India

Ms. Amrita of Assistant Professor, Thapar Institute of Engineering and Technology Patiala India

Title of invention:

A METHOD FOR GENDER CLASSIFICATION BASED ON OFFLINE HANDWRITING AND A SYSTEM THEREOF

Name of inventor(s):

Dargan, Shaveta; Kumar, Munish; Garg, Anupam and Amrita, Ms.

Term of Patent:

Eight years from 28 February 2021

NOTE: This Innovation Patent cannot be enforced unless and until it has been examined by the Commissioner of Patents and a Certificate of Examination has been issued. See sections 120(1A) and 129A of the Patents Act 1990, set out on the reverse of this document.

Dated this 14th day of April 2021

Commissioner of Patents

PATENTS ACT 1990

Australian Government

IP Australia

CERTIFICATE OF GRANT
INNOVATION PATENT

Patent number: 2021100089

The Commissioner of Patents has granted the above patent on 17 March 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Harmandeep Kaur of Research Scholar, Deptt of Computational Sciences Maharaja Ranjit Singh Punjab Technical University Bathinda Punjab India

Munish Kumar of Assistant Professor, Department of Computational Sciences, Maharaja Ranjit Singh Punjab Technical University Bathinda Punjab India

Manish Kumar of Professor, Department of Computer Science and Applications, Panjab University Regional Centre Sri Muktsar Sahib Punjab India

Simpel Rani of Professor, Computer Science &amp Engineering, Yadavindra College of Engineering Talwandi Sabo Bathinda India

Krishan Kumar of Professor, Department of Information Technology, University Institute of Engineering & Technology Panjab University Chandigarh India

Title of invention:

A METHOD TO WORD RECOGNITION FOR THE POSTAL AUTOMATION AND A SYSTEM THEREOF

Name of inventor(s):

Kaur, Harmandeep; Kumar, Munish; Kumar, Manish; Rani, Simpel and Kumar, Krishan

Term of Patent:

Eight years from 7 January 2021

NOTE: This Innovation Patent cannot be enforced unless and until it has been examined by the Commissioner of Patents and a Certificate of Examination has been issued. See sections 120(1A) and 129A of the Patents Act 1990, set out on the reverse of this document.

Dated this 17th day of March 2021

Commissioner of Patents

PATENTS ACT 1990

Australian Government

IP Australia

CERTIFICATE OF GRANT
INNOVATION PATENT

Patent number: 2021101097

The Commissioner of Patents has granted the above patent on 14 April 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Anupam Garg of Assistant Professor Thapar Institute of Engineering and Technology Patiala India

Vybhav Chaturvedi of Thapar Institute of Engineering and Technology Patiala India

Vedansh Varshney of Thapar Institute of Engineering and Technology Patiala India

Armanbeer Kaur of Thapar Institute of Engineering and Technology Patiala India

Anshu Parashar of Thapar Institute of Engineering and Technology Patiala India

Munish Kumar of Maharaja Ranjit Singh Punjab Technical University Bathinda India

Gurpal Singh Chhabra of Thapar Institute of Engineering and Technology Patiala India

Ms. Amrita of Thapar Institute of Engineering and Technology Patiala India

Ms. Tanya of Thapar Institute of Engineering and Technology Patiala India

Title of invention:

A SYSTEM AND METHOD FOR AUTOMATIC PLAYLIST GENERATION BY ANALYSING HUMAN EMOTIONS THROUGH PHYSIOLOGICAL SIGNALS

Name of inventor(s):

Garg, Anupam; Chaturvedi, Vybhav; Varshney, Vedansh; Kaur, Armanbeer; Parashar, Anshu; Kumar, Munish; Chhabra, Gurpal Singh; Amrita, Ms. and Tanya, Ms.

Term of Patent:

Eight years from 2 March 2021

NOTE: This Innovation Patent cannot be enforced unless and until it has been examined by the Commissioner of Patents and a Certificate of Examination has been issued. See sections 120(1A) and 129A of the Patents Act 1990, set out on the reverse of this document.

Dated this 14th day of April 2021

Commissioner of Patents

PATENTS ACT 1990

Application Details

2021101517
: A system for object recognition for visual surveillance

BIBLIOGRAPHIC DATA

Application details

Australian application number	2021101517	**Patent application type**	Innovation		
Application status	ACCEPTED	**Paid to date**	2023-03-25	**First IPC Mark**	
Currently under opposition	No	**Proceeding type(s)**			
Invention title	A system for object recognition for visual surveillance				
Inventor(s)	Bansal, Monika ; Kumar, Munish ; Sachdeva, Monika ; Mittal, Ajay				
Agent name	Kumar, Munish DR	**Address for legal service**	SA 5021 Australia show full address		
Filing date	2021-03-25	**Australian OPI date**		**OPI published in journal**	
Effective date of patent	2021-03-25	**Expiry date**	2029-03-25		
Additional/Divisional application number		**Additional/Divisional relationship**			

Applicant details
IPC details
Priority details
Associated provisional(s)

SPECIFICATION/E-REGISTER

EDOSSIER

LIFECYCLE DETAILS

FEE/PUBLICATION HISTORY

ORIGINAL

No. 100830

भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE

CERTIFICATE OF REGISTRATION OF DESIGN

Design No.	345033-001
Date	19/06/2021 10:06:32
Reciprocity Date*	
Country	

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 28-03 in respect of the application of such design to HAIR COMB WITH BRISTLE CAP & BOTTLE in the name of 1.SUDHIR KUMAR, ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACOGNOSY, ISF COLLEGE OF PHARMACY, MOGA, PUNJAB, INDIA 142001 2. DR. ASHISH BALDI, PROFESSOR, DEPARTMENT OF PHARMACEUTICAL SCIENCE, MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY, BATHINDA, PUNJAB 3. DR. DINESH KUMAR SHARMA, DIRECTOR, HIMALAYAN INSTITUTE OF PHARMACY AND RESEARCH, DEHRADUN, UTTARAKHAND, INDIA

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

Controller General of Patents, Designs and Trade Marks

*The reciprocity date (if any) which has been allowed and the name of the country.
Copyright in the design will subsist for ten years from the date of Registration, and may underthe 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

SANJEEV KUMAR,
IP KAVACH, 251/10 KRISHNA NAGAR, SHAHABAD
MARKANDA, DISTT KURUKSHETRA, HARYANA 136135

Date of Issue 09/08/2021 14:46:19

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

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

INTELLECTUAL PROPERTY INDIA (http://ipindia.nic.in/index.htm)

Application Details

APPLICATION NUMBER	202111057174
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	08/12/2021
APPLICANT NAME	1 . SEEMA 2 . GAURAV GUPTA 3 . GURJIT SINGH BHATHAL 4 . BRAHMALEEN K. SIDHU 5 . SUNIL KUMAR 6 . PRIYANKA GUPTA 7 . BACHANDEEP SINGH BHATHAL 8 . KEWAL KRISHAN 9 . ABHILASHA JAIN 10 . SWATI BANSAL
TITLE OF INVENTION	A SYSTEM OF DEEP LEARNING CUSTOMER CHURN PREDICTION MODEL IN E-COMMERCE USING DATA MINING
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	ashish.iprindia@hotmail.com
ADDITIONAL-EMAIL (As Per Record)	ipnation@outlook.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	09/04/2022
PUBLICATION DATE (U/S 11A)	17/12/2021

Application Status

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

INTELLECTUAL PROPERTY INDIA
PATENTS DESIGNS TRADE MARKS GEOGRAPHICAL INDICATIONS

Application Details

APPLICATION NUMBER	202111053834
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	23/11/2021
APPLICANT NAME	1 . Dr. Mukesh Grover 2 . Prof. Jay Prakash Tiwari 3 . Dr. Rojalini Patro 4 . Dr. Manoj Dubey 5 . Dr. S. Vimal 6 . Dr. Alok Sagar Gautam
TITLE OF INVENTION	PROBABILISTIC METHOD IN APPLIED MATHEMATICS FOR RESTRUCTURING POWER SYSTEMS
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)	03/12/2021

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :11/10/2021

(21) Application No.202141046324 A
(43) Publication Date : 29/10/2021

(54) Title of the invention : AI AND WIRELESS BASED SMART DRUG PRESCRIPTION MANAGEMENT FOR AUTONOMOUS DRUG DELIVERY SYSTEM

(51) International classification :G06Q0050220000, G16H0020100000, G07F0017000000, A61J0007000000, G06Q0040080000
(86) International Application No :PCT//
Filing Date :01/01/1900
(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)Ingeniouz
Address of Applicant :#23, Mosque Pallam, Saidapet ---------- ----------
2)Dr T Lalitha,Jain (Deemed-to-be University)
3)Dr. Sushma Jaiswal,Guru Ghasidas Vishwavidyalaya
4)Dr. Ganesh D R,CMR Institute of Technology
5)Dr.Sapram Srilalitha, ACE Engineering College
6)Dr Kavitha H,Siddaganga Institute of Technology
7)Dr. Gurpreet Singh,Punjab Institute of Technology,Rajpura
8)Dr. Amanpreet Kaur,University Institute of Engineering
9)Dr. Amit Kumar Manocha,Punjab Institute of Technology,Moga
10)Dr. Aashdeep Singh,Punjab Institute of Technology,Rajpura
11)Dr. Nabeel Ahmad,IFTM University
12)Dr Arvind Kumar Shukla,IFTM University
13)Makhan kumbhkar,Christian Eminent College
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)Dr T Lalitha,Jain (Deemed-to-be University)
Address of Applicant :Professor, Department of CS & IT, Jain (Deemed-to-be University) - Bengaluru Karnataka India 560041 ---------- ----------
2)Dr. Sushma Jaiswal,Guru Ghasidas Vishwavidyalaya
Address of Applicant :Assistant Professor, Department of Computer Science & Information Technology (CSIT), Guru Ghasidas Vishwavidyalaya, (A Central University) - Koni, Bilaspur, (C.G.), Chhattisgarh India 495009 ---------- ----------
3)Dr. Ganesh D R,CMR Institute of Technology
Address of Applicant :Assistant Professor, Department of Information Science and Engineering, CMR Institute of Technology, - Bengaluru Karnataka India 560037 ---------- ----------
4)Dr.Sapram Srilalitha, ACE Engineering College
Address of Applicant :Professor of Chemistry & Head of R&D, Department- Chemistry, ACE Engineering College, Hyderabad Ankushapur (V) Ghatkesar (M), Medchal(Dt) Hyderabad Telangana India 501301 ---------- ----------
5)Dr Kavitha H,Siddaganga Institute of Technology
Address of Applicant :Associate Professor, Department of Information Science and Engineering, Siddaganga Institute of Technology BH Road Tumakuru Karnataka India 572103 ---------- ----------
6)Dr. Gurpreet Singh,Punjab Institute of Technology,Rajpura
Address of Applicant :Associate Professor, Department of Computer Science & Engineering, Punjab Institute of Technology, Rajpura (MRSPTU Bathinda) Rajpura Punjab India 140401 ---------- ----------
7)Dr. Amanpreet Kaur,University Institute of Engineering
Address of Applicant :Associate Professor, Department of Computer Science & Engineering, University Institute of Engineering, Chandigarh University, Gharaun, Mohali Punjab India 140413 ---------- ----------
8)Dr. Amit Kumar Manocha,Punjab Institute of Technology,Moga
Address of Applicant :Associate Professor, Department of Electrical Engineering, Punjab Institute of Technology, GTBGarh, Moga (MRSPTU Bathinda) Jagjeetpur, Moga Punjab India 142049 ---------- ----------
9)Dr. Aashdeep Singh,Punjab Institute of Technology,Rajpura
Address of Applicant :Assistant Professor, Department of Computer Science & Engineering, Punjab Institute of Technology, Rajpura (MRSPTU Bathinda) Rajpura Punjab India 140401 ---------- ----------
10)Dr. Nabeel Ahmad,IFTM University
Address of Applicant :Associate Professor & Head, School of Biotechnology, IFTM University - Moradabad Uttar Pradesh India 244102 ---------- ----------
11)Dr Arvind Kumar Shukla,IFTM University
Address of Applicant :Associate Professor, Department of Computer Application, IFTM University - Moradabad Uttar Pradesh India 244102 ---------- ----------
12)Makhan kumbhkar,Christian Eminent College
Address of Applicant :Asst. Prof., Department of Computer Science & Elex, Christian Eminent College - Indore Madhya Pradesh India 452001 ---------- ----------

(57) Abstract :
Innovative technology based solutions have explored several fields especially pharmaceutical field. The medical officers generally prescribe drugs to the patient by checking for any side effects towards any drugs. Conventionally these drugs are delivered by pharmacists, where sometimes there is possibility of patient getting their own medication. In such cases, the pharmacist has to evaluate the interaction of drugs, repetitiveness of the drug and the date of prescription in order to optimize pharmacy service to the patient. There is possibility of human error, as it is not possible for the pharmacist to keep all drug interactions in mind, leading to even serious effects such as death of the patient due to side effects. This invention proposes AI and wireless based smart drug prescription management method such that delivery of drugs can made autonomous by the pharmacy management. Optical identification is utilized to identify the information of drug prescription which is stored in pharmacy care database for further retrieval. Drug interactions are priorly stored in the database to crosscheck everytime before delivering the drugs to any patient. This method is efficient in drug prescription management guaranteeing no side effect due to drug interaction.

No. of Pages : 11 No. of Claims : 6

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

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

INTELLECTUAL PROPERTY INDIA (http://ipindia.nic.in/index.htm)

Application Details

APPLICATION NUMBER	202111026713
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	16/06/2021
APPLICANT NAME	1 . Mr.P. Prasant,CT University 2 . Dr. Sachin Sharma,CT University 3 . Dr. Kavita Sharma,Mbachandigarh University 4 . Dr.Amrinder Singh,Jain University 5 . Mr.Harvinder Singh,Seth Jai Parkash Mukand Lal Institute of Engineering and Technology 6 . Dr. Datrika Venkata Madhusudan Rao,Jain Deemed To Be University 7 . Dr.Arokiaraj David,Jain University 8 . Dr. Shreevamshi,Jain University 9 . Dr.Pritpal Singh Bhullar,Maharaja Ranjit Singh Punjab Technical University 10 . Dr.Girish Kumar Painoli,Jain University
TITLE OF INVENTION	EFFICIENT FINANCE MANAGEMENT BASED ON SOFTWARE FOR AUTONOMOUS COST ANALYSIS APPLICATION
FIELD OF INVENTION	COMMUNICATION
E-MAIL (As Per Record)	ingeniouz1@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	16/06/2021
PUBLICATION DATE (U/S 11A)	16/07/2021

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

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

INTELLECTUAL PROPERTY INDIA (http://ipindia.nic.in/index.htm)

Application Details	
APPLICATION NUMBER	202111019087
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	26/04/2021
APPLICANT NAME	1 . Vijay Pal Singh 2 . Dr. Charanjeet Madan 3 . Dr. Naresh Kumar 4 . Dr. Manoj Sharma 5 . Rajakumar M. K. 6 . Binu Dennis
TITLE OF INVENTION	SMART BANGLE FOR DETECTING THE REASON OF INFANT'S WEEPING
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	vijaypalsingh0879@gmail.com
ADDITIONAL E-MAIL (As Per Record)	vijaypalece@rediffmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	21/05/2021
PUBLICATION DATE (U/S 11A)	21/05/2021
REPLY TO FER DATE	09/09/2022

Application Status

ustralian Government

IP Australia

CERTIFICATE OF GRANT
INNOVATION PATENT

Patent number: 2021103546

The Commissioner of Patents has granted the above patent on 21 July 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

A. PUNITHA of Professor, Department of Mechatronics Engineering, M.A.M. School of Engineering Trichy-Chennai Trunk Road Siruganur, Tiruchirappalli, Tamil Nadu- 621105 India

M. PRASAD of Professor, School of Computing & Informatics, College of Engineering & Technology Dilla University, Dilla, Ethiopia

S. SHANTHI of Professor, Department of ECE, CARE College of Engineering Tiruchirapalli, Tamil Nadu - 620009, India

RAJESH NARAYAN DEO of Assistant Professor, Department of EEE Galgotia's College of Engineering and Technology,Greater Noida, Uttar Pradesh- 201306 India

G. SARITHA of Assistant Professor, Department of ECE, Sri Sairam Institute of Technology West Tambaram, Chennai, Tamil Nadu- 600044 India

D. R. ANITA SOFIA LIZ of Assistant Professor, Dept.of Computer Science and Engineering New Prince Shri Bhavani College of Engineering and Technology, Gowrivakkam,Tamil Nadu -600073 India

MALA YADAV of Assistant Professor, Department of ECE Mangalmay Institute of Engineering and Technology, Greater Noida, Uttar Pradesh – 201310, India

R. OHMSAKTHI VEL of Assistant Professor, Department of Mechatronics Engineering, Agni College of Technology Thazhambur, OMR,Chennai,Tamil Nadu- 600130, India

S. BRINDHA of Professor, Department of ECE, Sri Sairam Engineering College Chennai, Tamil Nadu - 600044 India

GURPREET SINGH of Associate Professor, Computer Science & Engineering, Punjab Institute of Technology (A Constituent College of MRSPTU Bathinda), District Patiala, Punjab - 140401 India

P. C. SENTHIL MAHESH of Professor, Computer Science and Engineering Annamacharya Institute of Technology and Sciences,New Boyanapalli,Rajampet, Andhra Pradesh- 516126 India

R. JAICHANDRAN of Professor, Dept.of Computer Science and Engineering, Aarupadai Veedu Institute of Technology Vinayaka Missions Research Foundation (Deemed to be University), Chengalpattu District, TN - 603104 India

Title of invention:

HYBRID NETWORK FOR REAL-TIME TRACKING USING MACHINE TO MACHINE COMMUNICATION

Name of inventor(s):

PUNITHA, A.; PRASAD, M.; SHANTHI, S.; DEO, RAJESH NARAYAN; SARITHA, G.; ANITA SOFIA LIZ, D. R.; YADAV, MALA; OHMSAKTHI VEL, R.; BRINDHA, S.; SINGH, GURPREET; SENTHIL MAHESH, P. C. and JAICHANDRAN, R.

COMMONWEALTH OF AUSTRALIA AUSTRALIA PATENT OFFICE

Dated this 21st day of July 2021

Commissioner of Patents

PATENTS ACT 1990

Application Details

2021103042
: A SYSTEM AND METHOD FOR PREDICTING BADMINTON MATCH OUTCOME

BIBLIOGRAPHIC DATA

Application details

Australian application number	2021103042	Patent application type	Innovation	
Application status	FILED	Paid to date	2023-06-02	First IPC Mark
Currently under opposition	No	Proceeding type(s)		
Invention title	A SYSTEM AND METHOD FOR PREDICTING BADMINTON MATCH OUTCOME			
Inventor(s)	Sharma, Manoj ; Kumar, Naresh ; Monika, Mrs. ; Kumar, Pardeep ; Kumar Singh, Neeraj ; Kumar, Anuj ; Sharma, Anuj ; Kumar, Anil			
Agent name	Sharma, Dr. Manoj	Address for legal service	SA 5021 Australia show full address	
Filing date	2021-06-02	Australian OPI date		OPI published in journal
Effective date of patent	2021-06-02	Expiry date	2029-06-02	
Additional/Divisional application number		Additional/Divisional relationship		

Applicant details

Applicant	Kumar, Anuj	Applicant address	160014 India
Applicant	Sharma, Anuj	Applicant address	Chandigarh 160014 India
Applicant	Kumar, Anil	Applicant address	Panjab University Chandigarh 160014 India
Applicant	Kumar, Pardeep	Applicant address	Haryana 122505 India
Applicant	., Monika	Applicant address	Rajasthan 303007 India
Applicant	Kumar, Naresh	Applicant address	160014 India
Applicant	Sharma, Manoj	Applicant address	Bathinda, Punjab 151001 India
Applicant	Kumar Singh, Neeraj	Applicant address	160014 India
Old name(s)			

IPC details

Int Cl.	Version	First Mark

Priority details

Associated provisional(s)

SPECIFICATION/E-REGISTER

A link to this specification is not available in AusPat.

An extract from the Register of Patents is not available for this application.

Explanation of Specification Codes

EDOSSIER

Australian Government

IP Australia

CERTIFICATE OF GRANT
INNOVATION PATENT

Patent number: 2021102089

The Commissioner of Patents has granted the above patent on 26 May 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

R. JAICHANDRAN of Professor, Dept.of Computer Science and Engineering, Aarupadai Veedu Institute of Technology Vinayaka Missions Research Foundation (Deemed to be University), Chengalpattu District, TN - 603104 India

SATYANARAYANA PAMARTHI of Assistant Professor, Department of ECE, V. R. Siddhartha Engineering College Vijayawada, Andhra Pradesh- 520007 India

K BOOPATHY of Professor, Dept.of Electrical & Electronics Engg., Aarupadai Veedu Institute of Technology Vinayaka Missions Research Foundation (Deemed to be University), Chengalpattu District, TN -603104 India

M. SUJATHA of Professor, Department of ECE, Koneru Lakshmaiah Education Foundation Vijayawada, Andhra Pradesh - 522502 India

T. PONNARASI of Associate Professor, Department of Agriculture Economics, Faculty of Agriculture Annamalai University, Annamalai Nagar, Chidambaram, Cuddalore District, Tamil Nadu- 608002 India

MAGHIMAA MATHANMOHUN of Assistant Professor, Department of Microbiology, Muthayammal College of Arts and Science Rasipuram, Namakkal District Tamil Nadu - 637408 India

GURPREET SINGH of Associate Professor, Computer Science & Engineering, Punjab Institute of Technology Rajpura (MRSPTU Bathinda), Near ITI Chownk, District Patiala, Punjab - 140401 India

AMANPREET KAUR of Associate Professor, University Institute of Engineering Chandigarh University, Gharaun, District Mohali, Punjab- 140413 India

G. SARITHA of Assistant Professor, Department of ECE, Sri Sairam Institute of Technology West Tambaram, Chennai, Tamil Nadu- 600044 India

G. DURGADEVI of Professor, Department of ECE New Prince Shri Bhavani College of Engineering and Technology, Gowrivakkam,Tamil Nadu -600073 India

Title of invention:

ESTIMATION OF BIOMARKERS FOR ADAPTIVE IMMUNITY IN INFECTIOUS DISEASES USING SMART IOT SENSORS AND DEEP LEARNING

Name of inventor(s):

JAICHANDRAN, R.; PAMARTHI, SATYANARAYANA; BOOPATHY, K.; SUJATHA, M.; PONNARASI, T.; MATHANMOHUN, MAGHIMAA; SINGH, GURPREET; KAUR, AMANPREET; SARITHA, G. and DURGADEVI, G.

Term of Patent:

Eight years from 20 April 2021

COMMONWEALTH OF AUSTRALIA AUSTRALIA PATENT OFFICE

Dated this 26th day of May 2021

Commissioner of Patents

प्रारूप आरजी - 2
Form RG - 2

भारत सरकार
Government of India
व्यापार चिन्ह रजिस्ट्री
Trade Marks Registry
व्यापार चिन्ह अधिनियम, 1999
Trade Marks Act, 1999
व्यापार चिन्ह के रजिस्ट्रीकरण का प्रमाणपत्र, धारा 23 (2), नियम 56 (1)
Certificate of Registration of Trade Mark, Section 23 (2), Rule 56 (1)

क्रमांक
No. 2956035

व्यापार चिन्ह संख्या / **Trade Mark No.** 5157506 दिनांक /**Date** 01/10/2021 ज. संख्या /**J. No.** 2024

यह प्रमाणित किया जाता है कि जिस प्रकार चिन्ह की समाकृति इसके साथ संलग्न है, वह .....नाम से रजिस्ट्रीकृत हो चुका है। के बारे में दिनांक .....
Certified that Trade Mark / a representation is annexed hereto, has been registered in the name(s) of :-
DR. ASHISH BALDI, DEPARTMENT OF PHARMACEUTICAL SCIENCES & TECHNOLOGY, Maharaja Ranjit Singh Punjab Technical University, Dabwali Road Bathinda (Punjab) 151001, Individual Firm, (Single Firm)

In Class 44 Under No. 5157506 as of the date 01 October 2021 in respect of

Medical services, veterinary services, hygienic and beauty care for human beings or animals; agriculture, horticulture and forestry services.

Trade Mark as annexed

मेरे निर्देश पर आज ..... के ..... मास के ..... वे दिन को इस पर मुद्रा लगायी गई
Sealed at my direction, this 08th day of April , 2022

व्यापार चिन्ह रजिस्ट्री
Trade Marks Registry MUMBAI

व्यापार चिन्ह रजिस्ट्रार
Registrar of Trademarks

रजिस्ट्रीकरण आवेदन की तारीख से १० वर्ष के लिए है और तदोपरांत यह १० वर्ष की कालावधि के लिए और प्रत्येक १० वर्ष की कालावधि के अवसान पर भी नवीनीकृत किया जा सकेगा।
Registration is for 10 years from the date of application and may then be renewed for a period of 10 years and also at the expiration of each period of 10 years.
यह प्रमाणपत्र विधि कार्यवाहियों में प्रयोग के लिए या विदेश में रजिस्ट्रीकरण अभिप्राप्त करने के लिए नहीं है
This certificate is not for use in legal proceedings or for obtaining Registration abroad.
टिप्पणी - इस व्यापार चिन्ह के स्वामित्व में कोई परिवर्तन होने पर, या कारोबार के मुख्य स्थान के पते में या भारत में तामील के लिए पते में परिवर्तन होने पर परिवर्तन के लिए आवेदन तुरंत किया जाना चाहिए.
Note: Upon any change of ownership of this Trademark, or change in address of the principal place of business or address for service in India a request should **AT ONCE** be made to register the change.

Design Application Details

Application Number:	352091-001
CBR Number:	209188
CBR Date:	26/10/2021 20:10:29
Applicant Name:	**1. Dr. Amit Bhatia,** **2. Dr. Uttam Kumar Mandal,** **3. Dr. Shruti Chopra,** **4. Dr. Satpal Singh,** **5. Dr. Abhinav Kanwal,** **6. Mohit Kumar,** **7. Yogesh Garg,** **8. Shiv Kumar,** **9. Simran Chaurasia,** **10. Shubham Singh,**

Design Application Status

Application Status:	Design Accepted and Published, Journal No is 50/2021 and Journal Date is 10/12/2021

Back

प्रारूप आरजी - 2
Form RG - 2

भारत सरकार
Government of India
व्यापार चिन्ह रजिस्ट्री
Trade Marks Registry
व्यापार चिन्ह अधिनियम, 1999
Trade Marks Act, 1999
व्यापार चिन्ह के रजिस्ट्रीकरण का प्रमाणपत्र, धारा 23 (2), नियम 56 (1)
Certificate of Registration of Trade Mark, Section 23 (2), Rule 56 (1)

क्रमांक
No. 2959248

व्यापार चिन्ह संख्या / **Trade Mark No.** 5157504 दिनांक /**Date** 01/10/2021 ज. संख्या /**J. No.** 2024

यह प्रमाणित किया जाता है कि जिस प्रकार चिन्ह की समाकृति इसके साथ संलग्न है, वह .....
के बारे में दिनांक .....नाम से रजिस्ट्रीकृत हो चुका है|
Certified that Trade Mark / a representation is annexed hereto, has been registered in the name(s) of :-
DR. ASHISH BALDI, DEPARTMENT OF PHARMACEUTICAL SCIENCES & TECHNOLOGY, MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSATHINDA (PUNJAB) 151001ITY, DABWALI ROAD B, Individual Firm, (Single Firm)

In Class 42 Under No. 5157504 as of the date 01 October 2021 in respect of

Scientific and technological services and research and design relating thereto; industrial analysis and research services; design and development of computer hardware and software.

Trade Mark as annexed

मेरे निर्देश पर आज ..... के ..... मास के ..... वे दिन को इस पर मुद्रा लगायी गई
Sealed at my direction, this 15th day of April , 2022

व्यापार चिन्ह रजिस्ट्री
Trade Marks Registry MUMBAI

व्यापार चिन्ह रजिस्ट्रार
Registrar of Trademarks

रजिस्ट्रीकरण आवेदन की तारीख से 10 वर्ष के लिए है और तदोपरांत यह 10 वर्ष की कालावधि के लिए और प्रत्येक 10 वर्ष की कालावधि के अवसान पर भी नवीनीकृत किया जा सकेगा।
Registration is for 10 years from the date of application and may then be renewed for a period of 10 years and also at the expiration of each period of 10 years.
यह प्रमाणपत्र विधि कार्यवाहियों में प्रयोग के लिए या विदेश में रजिस्ट्रीकरण अभिप्राप्त करने के लिए नहीं है
This certificate is not for use in legal proceedings or for obtaining Registration abroad.
टिप्पणी - इस व्यापार चिन्ह के स्वामित्व में कोई परिवर्तन होने पर, या कारोबार के मुख्य स्थान के पते में या भारत में तामील के लिए पते में परिवर्तन होने पर परिवर्तन के लिए आवेदन तुरंत किया जाना चाहिए.
Note: Upon any change of ownership of this Trademark, or change in address of the principal place of business or address for service in India a request should **AT ONCE** be made to register the change.

As on Date : 24/08/2022
Status : Objected
Alert : **Ready for Show cause Hearing**

View Examination Report

TM Application No.	5156013
Class	41
Date of Application	30/09/2021
Appropriate Office	DELHI
State	PUNJAB
Country	India
Filing Mode	e-Filing
TM Applied For	AYUSHASHISH
TM Category	TRADE MARK
Trade Mark Type	DEVICE
User Detail	08/09/2021
Certificate Detail	
Valid upto/ Renewed upto	
Proprietor name	(1) DR. ASHISH BALDI Single Firm
Proprietor Address	DEPARTMENT OF PHARMACEUTICAL SCIENCES & TECHNOLOGY, Maharaja Ranjit Singh Punjab Technical University, Dabwali Road Bathinda (Punjab) 151001
Email Id	****lipr@hotmail.com
Agent name	SANJEEV KUMAR SARDANA[32062]
Agent Address	H. No. 409/29, Dev Nagar, Gali No. 03, Sonepat 131 001
Goods & Service Details	[CLASS : 41] Education; providing of training; entertainment; sporting and cultural activities.

VIRTUAL HEARING CELL

Virtual hearing under rule 115 of Trade Marks Rules 2017

दिनांक/Dated : 15/01/2024

To,

SANJAY KUMAR SHARMA

विषय/Subject: आवेदन संख्या/Application No 5155661 वर्ग/Class 9.
व्यापार चिह्न के पंजीकरण के लिए/for Registration of Trade Mark AYUSHASHISH
के नाम में/In the name M/s. DR. ASHISH BALDI.

महोदय/महोदया,
Sir/Madam,

उपर्युक्त आवेदन जैसा की व्यापार चिन्ह अधिनियम की धारा 20(1) के प्रावधानों के अनुसार स्वीकृत है, व्यापार चिन्ह पत्रिका में विज्ञापित किया जाता है।

The above-said application shall be advertised in the Trade Marks Journal as accepted under the provisions of section 20(1) of the Trade Marks Act, 1999 subject to:

* Subject to no exclusive right over the word "AYUSH" separately and the mark will be considered as a whole as substantially shown in label form.

(Sonali Namdeorao Morey)
वरिष्ठ परीक्षक, व्यापार चिह्न
HEARING OFFICER OF TRADE MARKS

As on Date : 24/08/2022

Status : Advertised bef acc

View Examination Report

TM Application No.	5157507
Class	9
Date of Application	01/10/2021
Appropriate Office	DELHI
State	PUNJAB
Country	India
Filing Mode	e-Filing
TM Applied For	Q-Check HERBS & SPICES
TM Category	TRADE MARK
Trade Mark Type	DEVICE
User Detail	08/09/2021
Certificate Detail	
Valid upto/ Renewed upto	
Proprietor name	(1) DR. ASHISH BALDI Single Firm
Proprietor Address	DEPARTMENT OF PHARMACEUTICAL SCIENCES & TECHNOLOGY, MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSATHINDA (PUNJAB) 151001ITY, DABWALI ROAD B
Email Id	***lipr@hotmail.com
Agent name	SANJEEV KUMAR SARDANA[32062]
Agent Address	H. No. 409/29, Dev Nagar, Gali No. 03, Sonepat 131 001
Goods & Service Details	[CLASS : 9] Scientific, nautical, surveying, electric, photographic, cinematographic, optical, weighing, measuring, signalling, checking (supervision), life saving and teaching apparatus and instruments; apparatus for recording, transmission or reproduction of sound or images; magnetic data carriers, recording dises; cash registers, calculating machines, data processing equipment and computers; fire extinguishing apparatus
Publication Details	Published in Journal No. : 2043-0 Dated : 14/03/2022

As on Date : 24/08/2022

Status : Objected

Alert : **Ready for Show cause Hearing**

View Examination Report

TM Application No.	5155662
Class	41
Date of Application	30/09/2021
Appropriate Office	DELHI
State	PUNJAB
Country	India
Filing Mode	e-Filing
TM Applied For	Q-Check HERBS & SPICES
TM Category	TRADE MARK
Trade Mark Type	DEVICE
User Detail	08/09/2021
Certificate Detail	
Valid upto/ Renewed upto	
Proprietor name	(1) DR. ASHISH BALDI Single Firm
Proprietor Address	DEPARTMENT OF PHARMACEUTICAL SCIENCES & TECHNOLOGY, MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY, DABWALI ROAD BATHINDA (PUNJAB) 151001
Email Id	****lipr@hotmail.com
Agent name	SANJEEV KUMAR SARDANA[32062]
Agent Address	H. No. 409/29, Dev Nagar, Gali No. 03, Sonepat 131 001
Goods & Service Details	[CLASS : 41] Education; providing of training; entertainment; sporting and cultural activities.

As on Date : 24/08/2022
Status : Objected
Alert : **Ready for Show cause Hearing**

View Examination Report

TM Application No.	5156015
Class	44
Date of Application	30/09/2021
Appropriate Office	DELHI
State	PUNJAB
Country	India
Filing Mode	e-Filing
TM Applied For	Q-Check HERBS & SPICES
TM Category	TRADE MARK
Trade Mark Type	DEVICE
User Detail	08/09/2021
Certificate Detail	
Valid upto/ Renewed upto	
Proprietor name	(1) DR. ASHISH BALDI Single Firm
Proprietor Address	DEPARTMENT OF PHARMACEUTICAL SCIENCES & TECHNOLOGY, MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY, DABWALI ROAD BATHINDA (PUNJAB) 151001
Email Id	****lipr@hotmail.com
Agent name	SANJEEV KUMAR SARDANA[32062]
Agent Address	H. No. 409/29, Dev Nagar, Gali No. 03, Sonepat 131 001
Goods & Service Details	[CLASS : 44] Medical services, veterinary services, hygienic and beauty care for human beings or animals; agriculture, horticulture and forestry services.

प्रारूप आरजी - 2
Form RG - 2

भारत सरकार
Government of India
व्यापार चिन्ह रजिस्ट्री
Trade Marks Registry

क्रमांक
No. 2956434

व्यापार चिन्ह अधिनियम, 1999
Trade Marks Act, 1999

व्यापार चिन्ह के रजिस्ट्रीकरण का प्रमाणपत्र, धारा 23 (2), नियम 56 (1)
Certificate of Registration of Trade Mark, Section 23 (2), Rule 56 (1)

व्यापार चिन्ह संख्या / **Trade Mark No.** 5156014 दिनांक /**Date** 30/09/2021 ज. संख्या /**J. No.** 2024

यह प्रमाणित किया जाता है कि जिस प्रकार चिन्ह की समाकृति इसके साथ संलग्न है, वह .....
के बारे में दिनांक .....नाम से रजिस्ट्रीकृत हो चुका है|
Certified that Trade Mark / a representation is annexed hereto, has been registered in the name(s) of :-
DR. ASHISH BALDI, DEPARTMENT OF PHARMACEUTICAL SCIENCES & TECHNOLOGY, Maharaja Ranjit Singh Punjab Technical University, Dabwali Road Bathinda (Punjab) 151001, Individual Firm, (Single Firm)

In Class 35 Under No. 5156014 as of the date 30 September 2021 in respect of

Distribution, Trading, Marketing, Advertising, Business, Management, Business, Trading, Administration, Office Functions, Retailing, Wholesale, Export And Import Services, Online promotional services.

Trade Mark as annexed

मेरे निर्देश पर आज ..... के ..... मास के ..... वे दिन को इस पर मुद्रा लगायी गई
Sealed at my direction, this 09th day of April , 2022

व्यापार चिन्ह रजिस्ट्री
Trade Marks Registry MUMBAI

व्यापार चिन्ह रजिस्ट्रार
Registrar of Trademarks

रजिस्ट्रीकरण आवेदन की तारीख से १० वर्ष के लिए है और तदोपरांत वह १० वर्ष की कालावधि के लिए और प्रत्येक १० वर्ष की कालावधि के अवसान पर भी नवीनीकृत किया जा सकेगा।
Registration is for 10 years from the date of application and may then be renewed for a period of 10 years and also at the expiration of each period of 10 years.
यह प्रमाणपत्र विधि कार्यवाहियों में प्रयोग के लिए या विदेश में रजिस्ट्रीकरण अभिप्राप्त करने के लिए नहीं है
This certificate is not for use in legal proceedings or for obtaining Registration abroad.
टिप्पणी - इस व्यापार चिन्ह के स्वामित्व में कोई परिवर्तन होने पर, या कारोबार के मुख्य स्थान के पते में या भारत में तामील के लिए पते में परिवर्तन होने पर परिवर्तन के लिए आवेदन तुरंत किया जाना चाहिए.
Note: Upon any change of ownership of this Trademark, or change in address of the principal place of business or address for service in India a request should **AT ONCE** be made to register the change.

प्रारूप आरजी - 2
Form RG - 2

भारत सरकार
Government of India
व्यापार चिन्ह रजिस्ट्री
Trade Marks Registry

क्रमांक
No. 2956434

व्यापार चिन्ह अधिनियम, 1999
Trade Marks Act, 1999

व्यापार चिन्ह के रजिस्ट्रीकरण का प्रमाणपत्र, धारा 23 (2), नियम 56 (1)
Certificate of Registration of Trade Mark, Section 23 (2), Rule 56 (1)

व्यापार चिन्ह संख्या / **Trade Mark No.** 5156014 दिनांक /**Date** 30/09/2021 ज. संख्या /**J. No.** 2024

यह प्रमाणित किया जाता है कि जिस प्रकार चिन्ह की समाकृति इसके साथ संलग्न है, वह .....
के बारे में दिनांक .....नाम से रजिस्ट्रीकृत हो चुका है|
Certified that Trade Mark / a representation is annexed hereto, has been registered in the name(s) of :-
DR. ASHISH BALDI, DEPARTMENT OF PHARMACEUTICAL SCIENCES & TECHNOLOGY, Maharaja Ranjit Singh Punjab Technical University, Dabwali Road Bathinda (Punjab) 151001, Individual Firm, (Single Firm)

In Class 35 Under No. 5156014 as of the date 30 September 2021 in respect of

Distribution, Trading, Marketing, Advertising, Business, Management, Business, Trading, Administration, Office Functions, Retailing, Wholesale, Export And Import Services, Online promotional services.

Trade Mark as annexed

मेरे निर्देश पर आज ..... के ..... मास के ..... वे दिन को इस पर मुद्रा लगायी गई
Sealed at my direction, this 09th day of April , 2022

व्यापार चिन्ह रजिस्ट्री
Trade Marks Registry MUMBAI

व्यापार चिन्ह रजिस्ट्रार
Registrar of Trademarks

रजिस्ट्रीकरण आवेदन की तारीख से १० वर्ष के लिए है और तदोपरांत वह १० वर्ष की कालावधि के लिए और प्रत्येक १० वर्ष की कालावधि के अवसान पर भी नवीनीकृत किया जा सकेगा।
Registration is for 10 years from the date of application and may then be renewed for a period of 10 years and also at the expiration of each period of 10 years.
यह प्रमाणपत्र विधि कार्यवाहियों में प्रयोग के लिए या विदेश में रजिस्ट्रीकरण अभिप्राप्त करने के लिए नहीं है
This certificate is not for use in legal proceedings or for obtaining Registration abroad.
टिप्पणी - इस व्यापार चिन्ह के स्वामित्व में कोई परिवर्तन होने पर, या कारोबार के मुख्य स्थान के पते में या भारत में तामील के लिए पते में परिवर्तन होने पर परिवर्तन के लिए आवेदन तुरंत किया जाना चाहिए.
Note: Upon any change of ownership of this Trademark, or change in address of the principal place of business or address for service in India a request should **AT ONCE** be made to register the change.

ACKNOWLEDGEMENT COPY

Patents Form No. 1 PATENTS ACT 1983 AND PATENTS REGULATIONS 1986 REQUEST FOR GRANT OF PATENT [Sections 23, 24 and 26B(1)] [Regulation 7(1)] To: The Registrar of Patents Patent Registration Office Malaysia	For Official Use APPLICATION NO.: ..... Filing Date: ..... Request received on: ..... Fee received on: ..... Amount: ..... *Cheque/Postal Order/Bank Draft/Local Order/Credit Card/ Debit Card No.: .....
Please submit this Form together with the prescribed fee.	Applicant's or Agent's file reference: 6888/MY/1

THE APPLICANT(S) REQUEST(S) THE GRANT OF A PATENT IN RESPECT OF THE FOLLOWING:

I. TITLE OF INVENTION:

NOVEL METAL ORGANIC FRAMEWORK ADSORBENT AND SYNTHESIS THEREOF

II. APPLICANT(S) (the data concerning each applicant must appear in this box or, if the space insufficient, in the space below):

Name	:	Meenu Arora
I.C./Passport No.	:	-
Address	:	352 Housefed Colony Dabwali road Bathinda, India
Address for service in Malaysia	:	C/O ADASTRA INTELLECTUAL PROPERTY SDN. BHD., A-39-10 PENTHOUSE, MENARA UOA BANGSAR, NO. 5, JALAN BANGSAR UTAMA 1, 59000 Wilayah Persekutuan Kuala Lumpur, Malaysia
Nationality	:	India
*Permanent residence or principal place of business	:	C/O ADASTRA INTELLECTUAL PROPERTY SDN. BHD., A-39-10 PENTHOUSE, MENARA UOA BANGSAR, NO. 5, JALAN BANGSAR UTAMA 1, 59000 Wilayah Persekutuan Kuala Lumpur, Malaysia
Telephone Number *(required)*	:	03-22842281
Email address *(required)*	:	mypatent@adastraip.com

Additional Information (if any):

☐ Yes ☒ No

Office of the Controller General of Patents, Designs & Trade Marks
Department of Industrial Policy & Promotion,
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	202241001674
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	12/01/2022
APPLICANT NAME	1 . Dr. R. VIDHYA, Assistant Professor, Department of Computing Technologies, SRM Institute of Science and Technology 2 . BALAMURUGAN S M, Associate Professor, Department of Electrical and Electronics Engineering, Sri Venkateswaraa College of Technology 3 . Dr. NEETHU P S, Assistant Professor, Department of Electronics and Communication Engineering, The Oxford College of Engineering 4 . Dr. S. BRINDHA, Professor, Department of Electronics and Communication Engineering, Sri Sairam Engineering College 5 . M. NIVEDHA, Assistant Professor, Department of Electrical and Electronics Engineering, Arasu Engineering College 6 . M. VISHNU PRIYA, Assistant Professor, Department of Electronics and Communication Engineering, Saveetha School of Engineering 7 . Dr. P. SARAVANAN, Associate Professor, Department of Electronics and Communication Engineering, Sri Sairam Institute of Technology 8 . Dr. GURPREET SINGH, Associate Professor, Department of Computer Science and Engineering, Punjab Institute of Technology 9 . P. ALEXRAJ, Assistant Professor, Department of Electrical and Electronics Engineering, Arasu Engineering College 10 . Dr. B. MUTHUVEL, Professor, Department of Electrical and Electronics Engineering, Bonam Venkata Chalamayya Institute of Technology and Science
TITLE OF INVENTION	Design of Automatic Time Table Generator
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	sriipsearcher@gmail.com
ADDITIONAL-EMAIL (As Per Record)	senthil@chennaitrademark.com
E-MAIL (UPDATED Online)	

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(21) Application No.202211050439 A

(22) Date of filing of Application :03/09/2022

(43) Publication Date : 09/09/2022

(54) Title of the invention : AN ARTIFICIAL INTELLIGENCE APPROACH FOR NEOTERIC SUSTAINABLE FARMING ENVIRONMENT USING BLOCKCHAIN

(51) International classification :A61P0025280000, A61P0019100000, A01G0027000000, A61P0013120000, A61P0001020000

(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. Aashdeep Singh

Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, Punjab Institute of Technology, Rajpura (MRSPTU, Bathinda), 140401, Punjab, India Bathinda ---------- ----------

2)Dr. Amit Kumar Manocha

3)Dr. Amanpreet Kaur

4)Dr. Gurpreet Singh

5)Shilpa

6)Suman Rani

Name of Applicant : NA

Address of Applicant : NA

(72)**Name of Inventor :**

1)Dr. Aashdeep Singh

Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, Punjab Institute of Technology, Rajpura (MRSPTU, Bathinda), 140401, Punjab, India Bathinda ---------- ----------

2)Dr. Amit Kumar Manocha

Address of Applicant :Associate Professor, Department of Electrical Engineering, Punjab Institute of Technology, GTBGarh, Moga (MRSPTU, Bathinda), Punjab, India Bathinda ---------- ----------

3)Dr. Amanpreet Kaur

Address of Applicant :Associate Professor, Department of Computer Science and Engineering, Chitkara University Institute of Engineering & Technology, Chitkara University, Rajpura, Punjab, India Bathinda ---------- ----------

4)Dr. Gurpreet Singh

Address of Applicant :Associate Professor, Department of Computer Science and Engineering, Punjab Institute of Technology, Rajpura (MRSPTU, Bathinda), 140401, Punjab, India Bathinda ---------- ----------

5)Shilpa

Address of Applicant :Assistant Professor, Department of Management and Commerce, Punjab Institute of Technology GTB Garh Moga (MRSPTU, Bathinda), 142049, Punjab, India Bathinda ---------- ----------

6)Suman Rani

Address of Applicant :Assistant Professor, Department of Computer Science & Engineering, Punjab Institute of Technology GTB Garh Moga (MRSPTU, Bathinda), 142049, Punjab, India Bathinda ---------- ----------

(57) Abstract :

The present invention disclose an Artificial Intelligence Approach for Neoteric Sustainable Farming Environment Using Blockchain, comprising the steps involved in this collaborative technique are divided into network layer capture, examination, analysis, scheduling, management, prediction, organisation , optimization, and monitoring, and further, assess the time between execution events, the accuracy of our predictions, the effectiveness of our network transmission, the dynamic scheduling of our processes, etc. Further, the distributed permissioned private network allows for the effective computation of the suggested collaborative technique while exchanging forecasting-related data.

No. of Pages : 25 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(21) Application No.202211050434 A
(22) Date of filing of Application :03/09/2022
(43) Publication Date : 09/09/2022

(54) Title of the invention : A DEEP LEARNING BASED SYSTEM FOR DETECTING ROAD BUMPS

(51) International classification :C12N0005077000, E21B0017010000, F21Y0115100000, C12N0015850000, A61K0045060000
(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. Amanpreet Kaur
Address of Applicant :Associate Professor, Department of Computer Science and Engineering, Chitkara University Institute of Engineering & Technology, Chitkara University, Rajpura, Punjab, India Rajpura ----------
2)Dr. Gurpreet Singh
3)Dr. Amit Kumar Manocha
4)Dr. Aashdeep Singh
5)Shilpa
6)Suman Rani
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)Dr. Amanpreet Kaur
Address of Applicant :Associate Professor, Department of Computer Science and Engineering, Chitkara University Institute of Engineering & Technology, Chitkara University, Rajpura, Punjab, India Rajpura ----------
2)Dr. Gurpreet Singh
Address of Applicant :Associate Professor, Department of Computer Science and Engineering, Punjab Institute of Technology, Rajpura (MRSPTU, Bathinda), 140401, Punjab, India Rajpura ---------- ----------
3)Dr. Amit Kumar Manocha
Address of Applicant :Associate Professor, Department of Electrical Engineering, Punjab Institute of Technology, GTB Garh, Moga (MRSPTU, Bathinda), Punjab, India Moga ---------- ----------
4)Dr. Aashdeep Singh
Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, Punjab Institute of Technology, Rajpura (MRSPTU, Bathinda), 140401, Punjab, India Rajpura ---------- ----------
5)Shilpa
Address of Applicant :Assistant Professor, Department of Management and Commerce, Punjab Institute of Technology GTB Garh Moga (MRSPTU, Bathinda), 142049, Punjab, India Moga ---------- ----------
6)Suman Rani
Address of Applicant :Assistant Professor, Department of Computer Science & Engineering, Punjab Institute of Technology GTB Garh Moga (MRSPTU, Bathinda), 142049, Punjab, India Moga ---------- ----------

(57) Abstract :
The present invention discloses a deep learning-based system for detecting road bumps. The system is comprised of, but not limited to, a combination of vision and vibration methods for pothole detection is disclosed in the present invention. Based on deep learning approach, the system is able to detect potholes with more accuracy for vibration-based method, and for vision-based method. Although the system was able to detect the pothole in real-time, this would be only done at a close distance to the pothole. Further, the system to detect transverse cracks, longitudinal cracks, and potholes is proposed. The invention used mobile phones to get images for those road damages, then sent the data with their GPS location to an online server to evaluate the road damage severity.

No. of Pages : 21 No. of Claims : 8

INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS | GEOGRAPHICAL INDICATIONS

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

Application Details

APPLICATION NUMBER	202241065504
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	15/11/2022
APPLICANT NAME	1 . DR. SUBHASH DATTATRAY PAWAR 2 . Monika Dandotiya 3 . Dr. Pankaj Rahi 4 . Dr. Isha Goyal 5 . Dr. Ashish Jolly 6 . Sonia Gudwani 7 . Dr. Shikha Gautam 8 . Dr. Raja Mannar 9 . Geet Kiran Kaur 10 . Mrs Ayesha Siddiqa
TITLE OF INVENTION	A SMART EVALUATION METHOD OF THE EFFECT OF ECONOMIC DEVELOPMENT ON CRYPTO CURRENCY USING MACHINE LEARNING TECHNIQUES
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	patenpublication@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	25/11/2022

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/04/2023

(21) Application No.202311027479 A

(43) Publication Date : 02/06/2023

(54) Title of the invention : A COLLABORATIVE LEARNING SYSTEM USING SOCIAL MEDIA AND CLOUD TECHNOLOGY SLOPE ONE SCHEME

(51) International classification :G06F 162700, G06Q 101000, G06Q 500000, H04L 515200, H04L 671000
(86) International Application No :PCT//
Filing Date :01/01/1900
(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. Gurpreet Singh
Address of Applicant :Associate Professor, Department of Computer Science and Engineering, Punjab Institute of Technology (A Constituent College of MRSPTU Bathinda), Near ITI Chowk, Rajpura, Patiala-140401, Punjab, India. Patiala ---------- ----------
2)Dr. Aashdeep Singh
3)Dr. Amanpreet Kaur
4)Dr. Amandeep Kaur
5)Dr. Neera Batra
6)Dr. Amit Kumar Manocha
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)Dr. Gurpreet Singh
Address of Applicant :Associate Professor, Department of Computer Science and Engineering, Punjab Institute of Technology (A Constituent College of MRSPTU Bathinda), Near ITI Chowk, Rajpura, Patiala-140401, Punjab, India. Patiala ---------- ----------
2)Dr. Aashdeep Singh
Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, Punjab Institute of Technology (A Constituent College of MRSPTU Bathinda), Near ITI Chowk, Rajpura, Patiala-140401, Punjab, India. Patiala ---------- ----------
3)Dr. Amanpreet Kaur
Address of Applicant :Associate Professor, Department of Computer Science and Engineering, Chitkara University Institute of Engineering and Technology, Chitkara University, Rajpura, Patiala- 140401, Punjab, India. Patiala ---------- ----------
4)Dr. Amandeep Kaur
Address of Applicant :Professor, Computer Science & Engineering Department, M.M.E.C, Maharishi Markandeshwar (Deemed to be) University, Mullana-133203, Haryana, India. Mullana ---------- ----------
5)Dr. Neera Batra
Address of Applicant :Professor, Department of Computer Science & Engineering, Maharishi Markandeshwar (deemed to be University), Mullana, Ambala-133203, Haryana, India. Mullana ---------- ----------
6)Dr. Amit Kumar Manocha
Address of Applicant :Associate Professor, Department of Electrical Engineering, Punjab Institute of Technology, GTB Garh, Moga, (MRSPTU, Bathinda), Kotkapura-Moga Road, Moga-142049, Punjab, India. Moga ---------- ----------

(57) Abstract :
ABSTRACT A COLLABORATIVE LEARNING SYSTEM USING SOCIAL MEDIA AND CLOUD TECHNOLOGY SLOPE ONE SCHEME During the last few years, social media technologies have started to be used for collaborative learning. While most of the case studies reported so far involve a single social media tool or several individual, separate tools, in this paper we advocate the use of an integrated social learning environment, which aggregates several Web 2.0 tools (wiki, blog, microblogging tool, social bookmarking tool, media sharing tools). The platform, called EMUSE, occupies a well defined niche in the landscape of Web 2.0-enhanced learning spaces, providing value-added services for both students and teachers: learner tracking functionality, monitoring and visualization features, grading and evaluation support. A comprehensive rationale underlying EMUSE, a description of the platform architecture and functionalities, as well as an experimental validation in a project-based learning context are provided in the invention. While the learn-then-deploy approaches achieve promising results in many scenarios, data heterogeneity and variability throw impediment in the way of deploying pre-learned models to a large cluster of end devices. On the other hand, learning on devices like smartphones suffers from limited data, computing power and energy budget. This invention proposes Colla, a collaborative learning approach for behaviour prediction that allows cloud and devices to learn collectively and continuously. Colla finds a middle ground to build tailored model for each device, leveraging local data and computation resources to update the model, while at the same time exploits cloud to aggregate and transfer device-learned knowledge across the network to solve the cold-start problem and prevent overfitting.

No. of Pages : 12 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :18/04/2023

(21) Application No.202311028084 A
(43) Publication Date : 19/05/2023

(54) Title of the invention : ARTIFICIAL INTELLIGENCE BASED MODEL FOR POWER CONTROL AND MANAGEMENT SLOPE ONE SCHEME

(51) International classification :F02D 411400, G06N 031200, G06N 050400, H02J 033800, H04W 522400
(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. Amit Kumar Manocha
Address of Applicant :Associate Professor, Department of Electrical Engineering, Punjab Institute of Technology, GTB Garh, Moga, (MRSPTU, Bathinda), Kotkapura-Moga Road, District Moga, 142049, Punjab, India Moga ---------- ----------
2)Dr. Amanpreet Kaur
3)Dr. Aashdeep Singh
4)Dr. Gurpreet Singh
5)Dr. Amandeep Kaur
6)Dr. Sonali Goyal
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)Dr. Amit Kumar Manocha
Address of Applicant :Associate Professor, Department of Electrical Engineering, Punjab Institute of Technology, GTB Garh, Moga, (MRSPTU, Bathinda), Kotkapura-Moga Road, District Moga, 142049, Punjab, India Moga ---------- ----------
2)Dr. Amanpreet Kaur
Address of Applicant :Associate Professor, Department of Computer Science and Engineering, Chitkara University Institute of Engineering and Technology, Chitkara University, Rajpura, District Patiala, 140401, Punjab, India Patiala ---------- ----------
3)Dr. Aashdeep Singh
Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, Punjab Institute of Technology (A Constituent College of MRSPTU Bathinda), Near ITI Chowk, Rajpura, District Patiala, Punjab, 140401, India Patiala ---------- ----------
4)Dr. Gurpreet Singh
Address of Applicant :Associate Professor, Department of Computer Science and Engineering, Punjab Institute of Technology (A Constituent College of MRSPTU Bathinda), Near ITI Chowk, Rajpura, District Patiala, Punjab, 140401, India Patiala ---------- ----------
5)Dr. Amandeep Kaur
Address of Applicant :Professor, Department of Computer Science & Engineering, M.M.E.C, Maharishi Markandeshwar (Deemed to be) University, Mullana,133203, Haryana, India Mullana ---------- ----------
6)Dr. Sonali Goyal
Address of Applicant :Associate Professor, Department of Computer Science & Engineering, M.M.E.C, Maharishi Markandeshwar (Deemed to be) University, Mullana, District Ambala, 133203, Haryana, India Ambala ---------- ----------

(57) Abstract :
ABSTRACT ARTIFICIAL INTELLIGENCE BASED MODEL FOR POWER CONTROL AND MANAGEMENT SLOPE ONE SCHEME The Electricity Supply Chain is a system of enabling procedures to optimize processes ranging from production to transportation and consumption of electricity. The proportion of distributed energy sources within the electricity system increases steadily, which necessitates an improved monitoring capability to ensure the overall reliability and quality of the Electricity Supply Chain. Automation is strongly required to process the growing amount of data. Thus, it is inevitable to handle large amounts of heterogeneous data and process the information using forecasting and optimization techniques. Artificial Intelligence techniques are crucial for extending human cognitive abilities in these tasks. In our work, we synthesize the main impacts of the Artificial Intelligence paradigm on the automation of the Electricity Supply Chain. We describe the emerging automation through Artificial Intelligence in every layer of the Smart Grid Architecture Model and highlight state-of-the-art approaches. In the review, we focus on the following Electricity Supply Chain functionalities: generation, maintenance, pre-processing, analysis, forecasting, optimization, and trading within energy systems. After investigating the individual perspectives, we examine the potential implementation of a fully automated Electricity Supply Chain. Lastly, we discuss perspectives and limitations for the transformation from conventional to automated Electricity Supply Chains, specifically in terms of human interaction, Artificial Intelligence adaptation, energy transition, and sustainability

No. of Pages : 18 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :13/04/2023

(21) Application No.202311027480 A
(43) Publication Date : 02/06/2023

(54) Title of the invention : A MULTI-AGENT APPROACH FOR DEVICES MANAGEMENT AND CONTROL IN IOT ENVIRONMENTS SLOPE ONE SCHEME

(51) International classification :H04L 510000, H04L 671200, H04L 671250, H04L 675000, H04L 675650
(86) International Application No :PCT//
Filing Date :01/01/1900
(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. Amanpreet Kaur
Address of Applicant :Associate Professor, Department of Computer Science and Engineering, Chitkara University Institute of Engineering and Technology, Chitkara University, Rajpura, Patiala-140401, Punjab, India. Patiala ---------- ----------
2)Dr. Sonali Goyal
3)Shilpa
4)Dr. Neera Batra
5)Dr. Aashdeep Singh
6)Dr. Gurpreet Singh
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)Dr. Amanpreet Kaur
Address of Applicant :Associate Professor, Department of Computer Science and Engineering, Chitkara University Institute of Engineering and Technology, Chitkara University, Rajpura, Patiala-140401, Punjab, India. Patiala ---------- ----------
2)Dr. Sonali Goyal
Address of Applicant :Associate Professor, Computer Science & Engineering Department, M.M.E.C, Maharishi Markandeshwar (Deemed to be University), Mullana, Ambala-133203, Haryana, India. Ambala ---------- ----------
3)Shilpa
Address of Applicant :Assistant Professor, Department of Management, Punjab Institute of Technology, GTB Garh, Moga, (MRSPTU, Bathinda), Kotkapura-Moga Road, Moga-142049, Punjab, India. Moga ---------- ----------
4)Dr. Neera Batra
Address of Applicant :Professor, Department of Computer Science & Engineering, Maharishi Markandeshwar (Deemed to be University), Mullana, Ambala-133203, Haryana, India. Ambala ---------- ----------
5)Dr. Aashdeep Singh
Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, Punjab Institute of Technology (A Constituent College of MRSPTU Bathinda), Near ITI Chowk, Rajpura, Patiala-140401, Punjab, India. Patiala ---------- ----------
6)Dr. Gurpreet Singh
Address of Applicant :Associate Professor, Department of Computer Science and Engineering, Punjab Institute of Technology (A Constituent College of MRSPTU Bathinda), Near ITI Chowk, Rajpura, Patiala-140401, Punjab, India. Patiala ---------- ----------

(57) Abstract :
ABSTRACT A MULTI-AGENT APPROACH FOR DEVICES MANAGEMENT AND CONTROL IN IOT ENVIRONMENTS SLOPE ONE SCHEME The goal of the Mav Home (Managing an Intelligent Versatile Home) project is to create a home that acts as a rational agent. The agent seeks to maximize inhabitant comfort and minimize operation cost. In order to achieve these goals, the agent must be able to predict the mobility patterns and device usages of the inhabitants. Because of the size of the problem, controlling a smart environment can be effectively approached as a multi-agent task. Individual agents can address a portion of the problem but must coordinate their actions to accomplish the overall goals of the system. In this invention, we discuss the application of multi-agent systems to the challenge of controlling a smart environment and describe its implementation in the Mav Home project

No. of Pages : 13 No. of Claims : 7

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

INTELLECTUAL PROPERTY INDIA

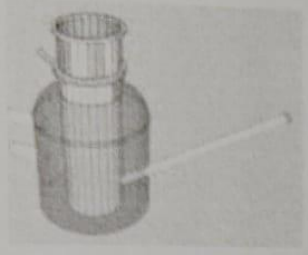
Application Details

APPLICATION NUMBER	202311063793
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	22/09/2023
APPLICANT NAME	1 . Ms. Veenu Rani 2 . Dr. Munish Kumar 3 . Ms. Manjot Rani 4 . Ms. Manmeet Kaur
TITLE OF INVENTION	A SYSTEM AND METHOD FOR HUMAN IDENTIFICATION BY GAIT USING CONVOLUTIONAL NEURAL NETWORKS
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	mail@ideas2ipr.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	15/12/2023
PUBLICATION DATE (U/S 11A)	24/11/2023

Application Status

APPLICATION STATUS	Application referred u/s 12 for examination.

Design Application Details



Design Number:	350439-001
Filing Date:	30/09/2021 00:00:00
Article Name:	Diffusion Cell Assembly
Class:	24-01-APPARTUS EQUIPMENT FOR DOCTORS, HOSPITALS AND LABORATORIES
Journal Number:	28/2023
Journal Date:	14/07/2023 00:00:00

Applicant Detail

Sl. No.	APPLICANT NAME	APPLICANT ADDRESS
1	Dr. Amit Bhatia	Department of Pharmaceutical Sciences & Technology, Maharaja Ranjit Singh Punjab Technical University, Bhatinda, Punjab-151001
2	DR. UTTAM KUMAR MANDAL	DR UTTAM KUMAR MANDAL, Department of Pharmaceutical Sciences & Technology, Maharaja Ranjit Singh Punjab Technical University, Bhatinda, Punjab-151001
3	DR. SHRUTI CHOPRA	DR SHRUTI CHOPRA, AMITY INSTITUTE OF PHARMACY, AMITY UNIVERSITY, NOIDA, UTTAR PRADESH-201313

Intellectual Property Office

Certificate of Registration for a UK Design

Design number: 6298501

Grant date: 12 October 2023

Registration date: 22 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

Mohammad Khalid, Mohammad Saleem, Anuradha Punia, Avani Sharma, Mr

Mandeep Yadav, Ms. Deepika Pal, Shaistah Zahrah Maqbool, Ram Kumar,

Mayuresh Kashinath Raut, Mrs. Sakina Yusuf Punjab

in respect of the application of such design to:

Digital Spectrophotometer

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

Version: 14-2023
Class: 24 MEDICAL AND LABORATORY EQUIPMENT
Subclass: 01 APPARATUS AND EQUIPMENT FOR DOCTORS, HOSPITALS AND LABORATORIES

THE PATENT OFFICE OFFICIAL

Adam Williams

Adam Williams
Comptroller-General of Patents, Designs and Trade Marks
Intellectual Property Office
The attention of the Proprietor(s) is drawn to the important notes overleaf.

Design Application Details

Application Number:	367675-001
CBR Number:	203789
CBR Date:	14/07/2022 13:44:43
Applicant Name:	**1. Dr. Amit Bhatia** **2. Dr. Uttam Kumar Mandal** **3. Dr. Shruti Chopra** **4. Dr. Kamaljit Singh Boparai** **5. Dr. Satpal Singh** **6. Dr. Abhinav Kanwal** **7. Mohit Kumar** **8. Yogesh Garg** **9. Shiv Kumar** **10. Simran Chaurasia** **11. Shubham Singh**

Design Application Status

Application Status:	Design Accepted and Published, Journal No is 22/2023 and Journal Date is 02/06/2023

INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

सत्यमेव जयते
GOVERNMENT OF INDIA

Controller General of Patents,Designs and Trademark
Department of Industrial Policy and Promotion
Ministry of Commerce and Industry

Design Application Details

Application Number:	366860-001
CBR Number:	203201
CBR Date:	27/06/2022 21:18:39
Applicant Name:	**1. Dr. Amit Bhatia** **2. Dr. Uttam Kumar Mandal** **3. Dr. Shruti Chopra** **4. Dr. Kamaljit Singh Boparai** **5. Dr. Satpal Singh** **6. Dr. Abhinav Kanwal** **7. Mohit Kumar** **8. Yogesh Garg** **9. Shiv Kumar** **10. Simran Chaurasia** **11. Shubham Singh**

Design Application Status

Application Status:	Design Accepted and Published, Journal No is 51/2023 and Journal Date is 22/12/2023

Patent Search

Invention Title	MULTILEVEL INVERTER WITH HARMONIC ELIMINATION WITH ADAPTIVE SWITCHING FOR IMPROVED POWER QUALITY
Publication Number	39/2024
Publication Date	27/09/2024
Publication Type	INA
Application Number	202411067775
Application Filing Date	08/09/2024
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	ELECTRICAL
Classification (IPC)	H02M7/483, H02M1/12, H02M7/527, H02M7/497

Inventor

Name	Address	Country
AMIT KUMAR MANOCHA	Punjab Institute of Technology, GTB Garh (Moga), Kotkapura- Moga Road, SH-16, GTB Garh, Distt. Moga, Punjab-142049, India	India
KAPIL SETHI	Punjab Institute of Technology, Rajpura, Near ITI Chowk, Rajpura, Punjab-140401, India	India
RAJNI VERMA	Punjab Institute of Technology, Rajpura, Near ITI Chowk, Rajpura, Punjab-140401, India	India
FATEHJEET KAUR CHOPRA	Punjab Institute of Technology, Rajpura, Near ITI Chowk, Rajpura, Punjab-140401, India	India
SHILPA	Punjab Institute of Technology, Rajpura, Near ITI Chowk, Rajpura, Punjab-140401, India	India
SAKSHI DHAWAN	Punjab Institute of Technology, Rajpura, Near ITI Chowk, Rajpura, Punjab-140401, India	India
LEENA	Punjab Institute of Technology, Rajpura, Near ITI Chowk, Rajpura, Punjab-140401, India	India
JYOTI	Punjab Institute of Technology, Rajpura, Near ITI Chowk, Rajpura, Punjab-140401, India	India
GURPREET SINGH	Punjab Institute of Technology, Rajpura, Near ITI Chowk, Rajpura, Punjab-140401, India	India
AASHDEEP SINGH	Punjab Institute of Technology, Rajpura, Near ITI Chowk, Rajpura, Punjab-140401, India	India

Applicant

Name	Address	Country
AMIT KUMAR MANOCHA	Punjab Institute of Technology, GTB Garh (Moga), Kotkapura- Moga Road, SH-16, GTB Garh, Distt. Moga, Punjab-142049, India	India
KAPIL SETHI	Punjab Institute of Technology, Rajpura, Near ITI Chowk, Rajpura, Punjab-140401, India	India
RAJNI VERMA	Punjab Institute of Technology, Rajpura, Near ITI Chowk, Rajpura, Punjab-140401, India	India
FATEHJEET KAUR CHOPRA	Punjab Institute of Technology, Rajpura, Near ITI Chowk, Rajpura, Punjab-140401, India	India
SHILPA	Punjab Institute of Technology, Rajpura, Near ITI Chowk, Rajpura, Punjab-140401, India	India
SAKSHI DHAWAN	Punjab Institute of Technology, Rajpura, Near ITI Chowk, Rajpura, Punjab-140401, India	India
LEENA	Punjab Institute of Technology, Rajpura, Near ITI Chowk, Rajpura, Punjab-140401, India	India
JYOTI	Punjab Institute of Technology, Rajpura, Near ITI Chowk, Rajpura, Punjab-140401, India	India
GURPREET SINGH	Punjab Institute of Technology, Rajpura, Near ITI Chowk, Rajpura, Punjab-140401, India	India
AASHDEEP SINGH	Punjab Institute of Technology, Rajpura, Near ITI Chowk, Rajpura, Punjab-140401, India	India

Abstract:

The present invention is about a hybrid inverter system employing Selective Harmonic Elimination Pulse Width Modulation (SHEPWM) for efficient harmonic suppres varying load conditions. The system features a combination of switching devices (102 and 104) and diodes (103) controlled by an embedded controller (106) that adju switching angles dynamically based on real-time load current (107) and load voltage (108) measurements. By utilizing an offline lookup table and a feedback mechani controller optimizes the modulation index to minimize both Voltage THD and Current THD. This method ensures high-quality power output and improved system effi particularly for renewable energy applications such as solar inverters. The current invention lies in the real-time adjustment of switching angles and modulation inde superior harmonic elimination across diverse load scenarios, thereby enhancing power quality and reducing harmonic distortion compared to conventional SHEPWM

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(21) Application No.202311045945 A
(22) Date of filing of Application :07/07/2023
(43) Publication Date : 04/08/2023

(54) Title of the invention : IOT BASED NUTRIENT PREDICTION DEVICE IN SOILLESS CULTIVATION SYSTEM

(51) International classification :A01G 310000, A01G 310200, A01G 310600, G06Q 500200, G10L 151800
(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. Tapsi Nagpal
Address of Applicant :Associate Professor, Department of Computer Science and Engineering, Research & PhD Coordinator, Lingayas Vidyapeeth, Faridabad, Haryana 121002 ---------- ----------
2)Ms Nishi Kalra
3)Dr. Rubeena Vohra
4)Mrs Sarita Yadav
5)Ashish Kumar
6)Dr. Sikander
7)Dr. Amit Kumar Manocha
8)Dr. Shilpa Manocha
9)Dr. Gurpreet Singh
10)Dr. Amanpreet Kaur
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)Dr. Tapsi Nagpal
Address of Applicant :Associate Professor, Department of Computer Science and Engineering, Research & PhD Coordinator, Lingayas Vidyapeeth, Faridabad, Haryana 121002 ---------- ----------
2)Ms Nishi Kalra
Address of Applicant :Cultural Head Lingayas Vidyapeeth, Faridabad, Haryana 121002 ---------- ----------
3)Dr. Rubeena Vohra
Address of Applicant :Assistant Professor, Department of ECE, Bharti Vidyapeeth College of Engineering, Delhi 110063 ---------- ----------
4)Mrs Sarita Yadav
Address of Applicant :Assistant Professor, Department of IT, Bharti Vidyapeeth College of Engineering, Delhi 110063 ---------- ----------
5)Ashish Kumar
Address of Applicant :Assistant Professor, Bennett University, Greater Noida, Uttar Pradesh 201310 ---------- ----------
6)Dr. Sikander
Address of Applicant :Principal, B-Tech, KC group of Research & Professional Institute,Pandoga ,UNA, Himachal Pradesh 177207 ---------- ----------
7)Dr. Amit Kumar Manocha
Address of Applicant :Professor-EE and Director, PIT, MOGA (MRSPTU, Bathinda), Punjab 151001 ---------- ----------
8)Dr. Shilpa Manocha
Address of Applicant :Assistant Professor, Department of Commerce and Management, Punjab Institute of Technology, Rajpura, Patiala, Punjab 140401 ---------- ----------
9)Dr. Gurpreet Singh
Address of Applicant :Professor (Computer Science & Engineering), Punjab Institute of Technology, Rajpura, Patiala, Punjab 140401 ---------- ----------
10)Dr. Amanpreet Kaur
Address of Applicant :Associate Professor (Computer Science & Engineering), Chitkara University Institute of Engineering & Technology, Chitkara University, Rajpura, Punjab 140401 ---------- ----------

(57) Abstract :
ABSTRACT An IoT based nutrient prediction device in soilless cultivation system is described herein. The IoT based nutrient prediction device in soilless cultivation system comprising a solar panel, a digital PH meter with an ATC water PH test meter, an electricity conductivity meter, a NPK sensor, a total dissolved solids sensor for water quality assessment, a DO meter, a controller, a wireless communication module, an IoT module, a machine learning algorithm and an user interface. The nutrient prediction device predicts the nutrient requirements of the plants based on the sensed parameters and control the supply of nutrients to the plants based on the predicted nutrient requirements.

No. of Pages : 16 No. of Claims : 4

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

INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS | GEOGRAPHICAL INDICATIONS

Application Details	
APPLICATION NUMBER	202411102905
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	24/12/2024
APPLICANT NAME	1 . Subhash Chand 2 . Monika 3 . Sankar Kumar Roy 4 . Ranjan Walia 5 . Sukhjinder Singh 6 . Nikita Sehgal 7 . Umesh Kumar Sinha 8 . Tejinder Pal Singh Brar 9 . Rohit Sharma
TITLE OF INVENTION	CNN BASED PORTABLE TELECARDIOLOGY SYSTEM
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	aman.ganesh@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	03/01/2025

Application Status	
APPLICATION STATUS	Awaiting Request for Examination

View Documents

Filed → Published → RQ Filed → Under Examination → Disposed

In case of any discrepancy in status, kindly contact ipo-helpdesk@nic.in

CONTINUED FROM PART- 1

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(21) Application No.202211056549 A
(22) Date of filing of Application :01/10/2022
(43) Publication Date : 05/04/2024

(54) Title of the invention : NOVEL METAL ORGANIC FRAMEWORK ADSORBENT AND SYNTHESIS THEREOF

(51) International classification	:C02F0001280000, C02F0101300000, C02F0001720000, A61K0031650000, B01J0020280000
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)Meenu Arora
Address of Applicant :352 Housefed colony Dabwali road Bathinda Punjab India
(72)**Name of Inventor :**
1)Meenu Arora
2)J. Nagendra Babu

(57) Abstract :
The present invention relates to the field of absorbents, particularly Metal Organic 5 Framework (MOF) based adsorbents. More particularly, the present invention relates to a novel metal Organic Framework (MOF) adsorbent [Mn(terephthalate)(2-Methylimidazole)] comprising Manganese (Mn), terephthalate and imidazolate wherein said MOF is [Mn(terephthalate)(2-Methylimidazole)] and a process of synthesis thereof for removal of Pharmaceutical and Personal Care Products (PPCPs) from aqueous solution, 10 and the separation of gases from air.

No. of Pages : 35 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/10/2022

(21) Application No.202211061760 A
(43) Publication Date : 03/05/2024

(54) Title of the invention : NOVEL CUXOY NANOPARTICLES WITH HIGH NITROGEN CONTENT IMMOBILIZED ON THE SURFACE OF METAL-ORGANIC FRAMEWORK (MOF

(51) International classification	:C01B0021060000, B01J0035000000, C01B0032050000, C01G0023053000, H01G0009200000	(71)**Name of Applicant :** **1)Meenu Arora** Address of Applicant :352 Housefed colony Dabwali road Bathinda Punjab India (72)**Name of Inventor :** **1)Meenu Arora**
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :
The present invention relates to the field CuxOy nanoparticles, particularly, CuxOy nanoparticles doped with high nitrogen content, and the method of preparation thereof. These CuxOy Nanoparticles with high nitrogen content are easily prepared from combination of any two precursors A and B with Cu (II) salts (acetate, nitrate, chloride and perchlorate) in presence of ammonia by simple wet-chemistry process at room 10 temperature. The synthesized CuxOy Nanoparticles were characterized by Fourier Transformed Infrared (FTIR) Spectroscopy, Powder X-Ray Diffractometer (XRD), X-Ray Photoelectron Spectroscopy (XPS), Field Emission Scanning Electron Microscope with Energy Dispersive X-Ray Scattering, Transmission Electron Microscope and Elemental Analysis (CHNS).

No. of Pages : 32 No. of Claims : 14

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/10/2022

(21) Application No.202211061761 A
(43) Publication Date : 03/05/2024

(54) Title of the invention : SYNTHESIS OF CUXOY NANOPARTICLES FROM PLASTIC WASTE AND ITS APPLICATIONS

(51) International classification	:G01N0027480000, B82Y0030000000, C07F0005050000, H01J0037256000, G01N0023227300
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
Filing Date	:NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)Meenu Arora
Address of Applicant :352 Housefed colony Dabwali road Bathinda Punjab India
2)Jasleen Kaur
3)J NAGENDRA BABU
(72)**Name of Inventor :**
1)Meenu Arora
2)Jasleen Kaur
3)J NAGENDRA BABU

(57) Abstract :
The present invention relates to the field of nanomaterials, particularly, CuXOY nanoparticles prepared from plastic waste immobilized on metal-organic framework (MOF). The CuxOy nanoparticles were studied for the adsorption of environmental trace contaminants of oxoanions (As(III) and As(V)). The CuxOy nanoparticles were also studied for the ionic conductivity for a p-type semiconductor and are used for electrochemical 10 studies (Differential Pulse Voltammetry and Anode Stripping Voltammetry).

No. of Pages : 26 No. of Claims : 16

INTELLECTUAL PROPERTY INDIA

ORIGINAL
क्रम सं/ Serial No. : 153440

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.	:	385259-001
तारीख / Date	:	28/04/2023
पारस्परिकता तारीख / Reciprocity Date*	:	
देश / Country	:	

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो *MULTI- UTILITY SOFA CUM TABLE SET* से संबंधित है, का पंजीकरण, श्रेणी 06-01 में 1.Chitkara University (Punjab) 2. Chitkara Innovation Incubator Foundation 3.Jaspreet Singh 4.Bineet Pal Singh 5.Mohit Bhayana 6.Kanwaljit Singh 7.Jasdeep Singh 8.Jaspreet Singh 9.Prabhjot Singh Bhatti 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 06-01 in respect of the application of such design to *MULTI- UTILITY SOFA CUM TABLE SET* in the name of 1.Chitkara University (Punjab) 2. Chitkara Innovation Incubator Foundation 3.Jaspreet Singh 4.Bineet Pal Singh 5.Mohit Bhayana 6.Kanwaljit Singh 7.Jasdeep Singh 8.Jaspreet Singh 9.Prabhjot Singh Bhatti.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्यधीन 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 : 12/01/2024

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.

Intellectual Property Office

Registered design
[UNCERTIFIED COPY]

Design details

Design application number
6327950

Filing date (provisional)
22 November 2023

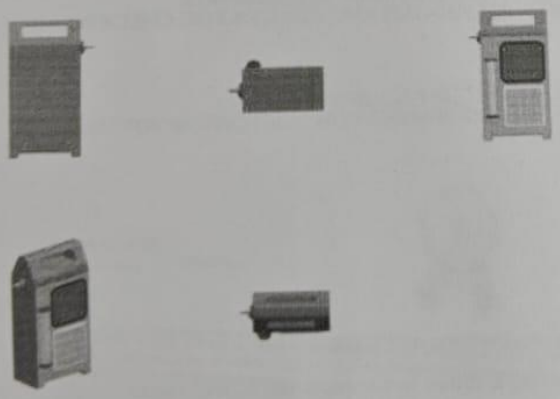
Defer registration
No

Design
Infusion Pump Apparatus for Liposome based encapsulated drug delivery for the treatment of cancer

Additional description
None

Illustration disclaimer
no claim is made for the colour shown

Illustrations



INTELLECTUAL PROPERTY INDIA

ORIGINAL
क्रम सं/ Serial No. : 163047

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.	:	405215-001
तारीख / Date	:	20/01/2024
पारस्परिकता तारीख / Reciprocity Date*	:	
देश / Country	:	

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो *ADVANCED MICE CAGE WITH TEMPERATURE AND HUMIDITY CONTROL SYSTEM* से संबंधित है, का पंजीकरण, श्रेणी 30-02 में 1.Dr. Shamim 2. Dr. Pawan Kumar 3.Dr. Kavita Sharma 4.Dr. Meenu Beniwal 5.Vinod Kumar 6.Hema Rani 7.Mandeep Pundir 8.Manoj Gangadhar Shinde 9.Mr. Avinash Kumar Rao 10.Kumari Shanno 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 30-02 in respect of the application of such design to *ADVANCED MICE CAGE WITH TEMPERATURE AND HUMIDITY CONTROL SYSTEM* in the name of 1.Dr. Shamim 2. Dr. Pawan Kumar 3.Dr. Kavita Sharma 4.Dr. Meenu Beniwal 5.Vinod Kumar 6.Hema Rani 7.Mandeep Pundir 8.Manoj Gangadhar Shinde 9.Mr. Avinash Kumar Rao 10.Kumari Shanno.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्यधीन 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 : 05/04/2024

उप्पल जी चंडित
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.

Design Application Details

Application Number:	440098-001
CBR Number:	222864
CBR Date:	10/12/2024 15:16:36
Applicant Name:	**1. Ram Kumar** **2. Sushant** **3. Pawan Kumar** **4. Ashish Middha** **5. Dr. Jyoti Bala**

Design Application Status

Application Status:	Application Accepted,Certificate of Design not Generated.

Back

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/09/2024

(21) Application No.202411069170 A

(43) Publication Date : 04/10/2024

(54) Title of the invention : ADAPTIVE INTELLIGENT CONTROLLER FOR EFFICIENT THERMOELECTRIC POWER HARVESTING WITH REMOTE MONITORING

(51) International classification	:A61B0090000000, A61P0031040000, A61P0009100000, A23L0002660000, A61K0039000000
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
1)AMIT KUMAR MANOCHA
Address of Applicant :EED, Punjab Institute of Technology, GTB Garh Moga (MRSPTU, Bathinda), Kotkapura- Moga Road, SH-16, GTB Garh, Distt. Moga, Punjab-142049, India ---------- ----------
2)Sharad Kumar Tiwari
3)Neha Rani
4)Jaswinder Singh
5)Ved Parkash
6)Ravi Bhushan
7)Supriyo Das
8)Deepinder Singh Wadhwa
9)Jitendra Kumar
10)Simerpreet Singh
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)AMIT KUMAR MANOCHA
Address of Applicant :EED, Punjab Institute of Technology, GTB Garh Moga (MRSPTU, Bathinda), Kotkapura- Moga Road, SH-16, GTB Garh, Distt. Moga, Punjab-142049, India ---------- ----------
2)Sharad Kumar Tiwari
Address of Applicant :Parul Institute of Technology, Waghodia Road, Vadodara, Waghodia Road, Vadodara, Gujrat-391760, India ---------- ----------
3)Neha Rani
Address of Applicant :EED, Punjab Institute of Technology, GTB Garh Moga (MRSPTU, Bathinda), Kotkapura- Moga Road, SH-16, GTB Garh, Distt. Moga, Punjab-142049, India ---------- ----------
4)Jaswinder Singh
Address of Applicant :EED, Punjab Institute of Technology, GTB Garh Moga (MRSPTU, Bathinda), Kotkapura- Moga Road, SH-16, GTB Garh, Distt. Moga, Punjab-142049, India ---------- ----------
5)Ved Parkash
Address of Applicant :Department of EE, GZSCCET, MRSPTU, Dabwali Road, Bathinda, Punjab-151001, India. ---------- ----------
6)Ravi Bhushan
Address of Applicant :Department of Electrical Engineering, NIT Jamshedpur, Adityapur, Jamshedpur, Jharkhand, 831014, India. ---------- ----------
7)Supriyo Das
Address of Applicant :Department of Electrical Engineering, NIT Jamshedpur, Adityapur, Jamshedpur, Jharkhand, 831014, India. ---------- ----------
8)Deepinder Singh Wadhwa
Address of Applicant :516, Near Maharaja Hira Singh Complex, Nabha, Puarana Hathi Khana., Nabha, Punjab-147201, India. ---------- ----------
9)Jitendra Kumar
Address of Applicant :Department of Electrical Engineering, NIT Jamshedpur, Adityapur, Jamshedpur, Jharkhand, 831014, India. ---------- ----------
10)Simerpreet Singh
Address of Applicant :Bhai Gurdas Institute of Engineering & Technology, Main Patiala Road, Sangrur, Punjab-148001, India. ---------- ----------

(57) Abstract :
The present invention provides a system and method for managing a battery bank, utilizing combination of thermoelectric generators. The system includes a sensor module to monitor voltage, current, and temperature from the generators and battery bank. A battery management system (BMS) that calculates the state of charge (SoC) and depth of discharge (DoD) to optimize battery performance. An intelligent controller processes the monitored data, managing energy flow between the thermoelectric generators and the battery bank. Data is transmitted to a cloud server via a communication module, allowing real-time monitoring and control through a mobile/web application. This system improves energy efficiency and battery longevity with real-time insights.

No. of Pages : 9 No. of Claims : 2

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(21) Application No.202411083007 A

(22) Date of filing of Application :30/10/2024

(43) Publication Date : 15/11/2024

(54) Title of the invention : ENERGY HARVESTING AND MANAGEMENT SYSTEM FOR MULTI AXLE VEHICLE WITH REAL-TIME MONITORING

(51) International classification :H02J0007340000, B60H0001000000, F01N0005020000, H10N0010130000, B60W0010060000

(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)Maharishi Markandeshwar (Deemed to be University)
Address of Applicant :Maharishi Markandeshwar (Deemed to be University), Ambala - Yamunanagar Highway, Mullana-Ambala, Haryana-133207, India Mullana ---------- ----------

Name of Applicant : NA
Address of Applicant : NA

(72)**Name of Inventor :**

1)AMAN GANESH
Address of Applicant :Maharishi Markandeshwar (Deemed to be University), Ambala - Yamunanagar Highway, Mullana-Ambala, Haryana-133207, India Mullana ---------- ----------

2)SHELJA
Address of Applicant :Maharishi Markandeshwar (Deemed to be University), Ambala - Yamunanagar Highway, Mullana-Ambala, Haryana-133207, India Mullana ---------- ----------

3)JITENDRA KUMAR
Address of Applicant :Department of Electrical Engineering, NIT Jamshedpur, Adityapur, Jamshedpur, Jharkhand, 831014, India. Jamshedpur ---------- ----------

4)RAVI BHUSHAN
Address of Applicant :Department of Electrical Engineering, NIT Jamshedpur, Adityapur, Jamshedpur, Jharkhand, 831014, India. Jamshedpur ---------- ----------

5)SUPRIYO DAS
Address of Applicant :Department of Electrical Engineering, NIT Jamshedpur, Adityapur, Jamshedpur, Jharkhand, 831014, India. Jamshedpur ---------- ----------

6)AMIT KUMAR MANOCHA
Address of Applicant :EED, Punjab Institute of Technology, GTB Garh Moga (MRSPTU, Bathinda), Kotkapura- Moga Road. SH-16, GTB Garh, Distt. Moga, Punjab-142049, India Moga ---------- ----------

7)VED PARKASH
Address of Applicant :EED, GZSCCET, MRSPTU, Dabwali Road, Bathinda, Punjab-151001, India. Bathinda ---------- ----------

(57) Abstract :

The invention relates to a four-wheeler energy harvesting system that captures, stores, and manages energy from thermoelectric and piezoelectric sources. The system comprises an energy generator module (101), including a thermoelectric generator (102) positioned near the vehicle's heat source to convert waste heat into electrical energy and piezoelectric generators (103) installed in areas exposed to mechanical stress, converting vibrations into electricity. The energy management system (104) integrates a battery (105) for long-term energy storage and a supercapacitor (106) for immediate power needs. An energy routing controller (107) dynamically allocates energy between the battery (105) and supercapacitor (106) based on real-time vehicle conditions. The system includes a communication module (108) for transmitting data to a cloud server (109), enabling remote monitoring and control via a mobile/web app (110). This system enhances vehicle efficiency by utilizing waste energy, reducing reliance on external power, and supporting auxiliary systems like lighting and climate control, increasing overall fuel efficiency and sustainability.

No. of Pages : 16 No. of Claims : 6

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(21) Application No.202411083100 A

(22) Date of filing of Application :30/10/2024

(43) Publication Date : 15/11/2024

(54) Title of the invention : LOW -LOSS FOUR-ELEMENT ENHANCED PATCH MM-WAVE ANTENNA WITH GAIN CONTROL TUNABILITY AND RECONFIGURABLE FEATURES

(51) International classification :H01Q0021060000, H01Q0001220000, H01Q0001380000, H01Q0021000000, H01Q0009040000

(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)Simerpreet Singh
Address of Applicant :Department of Electrical Engineering, Bhai Gurdas Institute of Engineering and Technology, Main Patiala Road, Sangrur.148001 ---------- ----------
2)Deepinder Singh Wadhwa
3)Jaspal Singh Khinda
4)Atul Kumar Varshney
5)Aman Ganesh
6)Shelja
7)Amit Kumar Manocha
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)Simerpreet Singh
Address of Applicant :Department of Electrical Engineering, Bhai Gurdas Institute of Engineering and Technology, Main Patiala Road, Sangrur.148001 ---------- ---------- ----------
2)Deepinder Singh Wadhwa
Address of Applicant :Department of Electrical Engineering, Bhai Gurdas Institute of Engineering and Technology, Main Patiala Road, Sangrur.148001 ---------- ---------- ----------
3)Jaspal Singh Khinda
Address of Applicant :Vill Jakkopur Khurd, Near Lohian Khas, Tehsil Shahkot, Distt Jalandhar, Pin 144629, India ---------- ----------
4)Atul Kumar Varshney
Address of Applicant :Electronics and Communication Engineering Department, Faculty of Engineering and Technology, Gurukula Kangri (Deemeed to be University), Haridwar-249404, Uttarakhand, India ---------- ----------
5)Aman Ganesh
Address of Applicant :Maharishi Markandeshwar (Deemed to be University), Ambala - Yamunanagar Highway, Mullana-Ambala, Haryana-133207, India ---------- ---------- ----------
6)Shelja
Address of Applicant :Maharishi Markandeshwar (Deemed to be University), Ambala - Yamunanagar Highway, Mullana-Ambala, Haryana-133207, India ---------- ---------- ----------
7)Amit Kumar Manocha
Address of Applicant :Punjab Institute of Technology, GTB Garh (Moga), Kotkapura- Moga Road, SH-16, GTB Garh, Distt. Moga, Punjab-142049, India ---------- ---------- ----------

(57) Abstract :
The invention describes a frequency-reconfigurable and gain-enhanced millimeter-wave antenna designed on a Rogers RT Duroid 5880 substrate (101) with a thickness of 0.508 mm and permittivity of er=2.2. The antenna features a primary rectangular patch (105) with appended side (103) and top patches(104) to form a four-element array, achieving a gain of 9.81 dBi over dual bands (29.83–33.79 GHz, 35.44–37.33 GHz). Central rhombus-shaped (106) slots enhance impedance matching, while two PIN diodes (107) facilitate frequency reconfiguration, and a varactor diode (108) enables fine-tuning with a 2.1 pF capacitance at 28V, providing adaptable performance across Ka-band frequencies

No. of Pages : 30 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :22/08/2024

(21) Application No.202411063641 A

(43) Publication Date : 30/08/2024

(54) Title of the invention : MEMS-BASED ADAPTIVE BILE FLOW PUMP WITH INTEGRATED SENSORS AND REMOTE CONTROL

(51) International classification :A61B0005000000, A61B0005021000, H04L0009400000, E21B0043120000, A61B0005020500

(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)Maharishi Markandeshwar (Deemed to be University)
Address of Applicant :Maharishi Markandeshwar (Deemed to be University), Ambala - Yamunanagar Highway, Mullana-Ambala, Haryana-133207, India
Mullana ---------- ----------
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)Aman Ganesh
Address of Applicant :Maharishi Markandeshwar (Deemed to be University), Ambala - Yamunanagar Highway, Mullana-Ambala, Haryana-133207, India
Mullana ---------- ----------
2)Shelja
Address of Applicant :Maharishi Markandeshwar (Deemed to be University), Ambala - Yamunanagar Highway, Mullana-Ambala, Haryana-133207, India
Mullana ---------- ----------
3)Amit Kumar Manocha
Address of Applicant :Punjab Institute of Technology, GTB Garh (Moga), Kotkapura- Moga Road, SH-16, GTB Garh, Distt. Moga, Punjab - 142049 , India
Moga ---------- ----------

(57) Abstract :
The present invention relates to a bile pump system based on MEMS that is intended to precisely control the flow of bile within the human body. A MEMS nano pump consists of micro-valves (102), micro-channels (103) , and actuators (101) contained in a biocompatible, anti-biofouling shell. The nano pumps has integrated sensors, including flow sensor (104), pressure sensor (105) and pH sensor (106), which provides real-time data to a microcontroller unit (107) that modifies bile ejection in response to changes in digestive activity by continually monitoring flow rate, pressure, and pH. The system is powered wirelessly and features remote monitoring and control capabilities, enabling healthcare providers to manage and adjust the pump's operation as needed. The operational mechanism involves adaptive regulation of bile flow in response to physiological states, guaranteeing optimal bile delivery in a range of digestive situations.

No. of Pages : 11 No. of Claims : 3

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(21) Application No.202441002776 A

(22) Date of filing of Application :14/01/2024

(43) Publication Date : 09/02/2024

(54) Title of the invention : IOT-ENHANCED SECURE DATA ENCRYPTION AND TRANSMISSION FOR NEXT-GENERATION COMPUTING ENVIRONMENTS

(51) International classification	H04L0009080000; G06F0021600000; H04L0009140000; G06N0020000000; H04L0027260000
(86) International Application No Filing Date	NA NA
(87) International Publication No	NA
(61) Patent of Addition to Application Number Filing Date	NA NA
(62) Divisional to Application Number Filing Date	NA NA

(71)**Name of Applicant :**

1)Dr. D. Naga Tej

Address of Applicant :Assistant Professor, Department of CSE, GITAM School of Technology, GITAM University, Visakhapatnam, Andhra Pradesh, India. ---------- ----------

2)Dr. S Parameswari

3)Mrs. Gundugola Divyavani

4)Mr. Telagamalla Gopi

5)Mr. Vivek Khirasaria

6)Hemant N. Watane

7)Dr. Archana Kumari Prasad

8)Dr. Amrita

9)Mrs. Sakshi

10)Dr. Aashdeep Singh

11)Mr. Balaji Sampath Kumar

12)Dr. Ch. Manohar Kumar

Name of Applicant : NA

Address of Applicant : NA

(72)**Name of Inventor :**

1)Dr. D. Naga Tej

Address of Applicant :Assistant Professor, Department of CSE, GITAM School of Technology, GITAM University, Visakhapatnam, Andhra Pradesh, India. ---------- ----------

2)Dr. S Parameswari

Address of Applicant :Associate Professor, Department of ECE, Sri Sairam Institute of Technology, West Tambaram, Chennai-600044, Tamil Nadu, India. ---------- ----------

3)Mrs. Gundugola Divyavani

Address of Applicant :Assistant Professor, Department of CSE(AI&ML), Bhoj Reddy Engineering College for Women, Hyderabad, Telangana, India. ---------- ----------

4)Mr. Telagamalla Gopi

Address of Applicant :Assistant Professor, Department of Electronics and Communication Engineering, Annamacharya Institute of Technology and Sciences, Hyderabad -501512, Telangana, India. ---------- ----------

5)Mr. Vivek Khirasaria

Address of Applicant :Assistant Professor, Faculty of Engineering and Technology, Sharda University Uzbekistan, Andijan, Uzbekistan. ---------- ----------

6)Hemant N. Watane

Address of Applicant :Sipna College of Engineering & Technology, Near Nemanigodown, Badnera Road, Amravati, Maharashtra, India. ---------- ----------

7)Dr. Archana Kumari Prasad

Address of Applicant :Assistant Professor, Swami Vivekanand Government College, Lakhnadon, Seoni, Madhya Pradesh-480886, India. ---------- ----------

8)Dr. Amrita

Address of Applicant :Associate Professor, Center for Cyber Security and Cryptology, Computer Science & Engineering, Sharda School of Engineering & Technology, Sharda University, Greater Noida, U.P., India. ---------- ----------

9)Mrs. Sakshi

Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, Punjab Institute of Technology (A Constituent College of MRSPTU Bathinda), Near ITI Chowk, Rajpura, District Patiala, Punjab, 140401, India. ---------- ----------

10)Dr. Aashdeep Singh

Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, Punjab Institute of Technology (A Constituent College of MRSPTU Bathinda), Near ITI Chowk, Rajpura, District Patiala, Punjab, 140401, India. ---------- ----------

11)Mr. Balaji Sampath Kumar

Address of Applicant :Assistant Professor, Department of Computer Science and Business Systems, Akshaya College of Engineering and Technology, Bagavathipalayam Road, Kinathukadavu, Coimbatore - 642109, Tamil Nadu, India. ---------- ----------

12)Dr. Ch. Manohar Kumar

Address of Applicant :Associate Professor, Department of ECE, Gayatri Vidya Parishad College for Degree and PG Courses(A), Visakhapatnam, Andhra Pradesh, India. ---------- ----------

(57) Abstract :

The present invention presents an innovative solution for IoT-Enhanced Secure Data Encryption and Transmission in Next-Generation Computing Environments. Leveraging the capabilities of the Internet of Things (IoT), the system dynamically adapts encryption algorithms based on the unique characteristics of detected devices, establishing secure communication channels and monitoring data integrity. The central processing unit intelligently integrates IoT devices, incorporates adaptive encryption algorithms, and employs a secure key management module to optimize security and compatibility across diverse computing environments. Additional embodiments introduce features such as dynamic resource allocation for encryption optimization and machine learning-based anomaly detection, further enhancing the system's efficiency and resilience in the face of the dynamic and interconnected landscape of modern computing. This invention sets a new standard for securing sensitive data, ensuring confidentiality, integrity, and authenticity in next-generation computing environments.

No. of Pages : 17 No. of Claims : 7

INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

सत्यमेव जयते
GOVERNMENT OF INDIA

Controller General of Patents,Designs and Trademarks
Department of Industrial Policy and Promotion
Ministry of Commerce and Industry

Design Application Details

Application Number:	456871-001
CBR Number:	208986
CBR Date:	28/04/2025 14:35:02
Applicant Name:	**1. Dr. Veena Sharma** **2. Dr. Gagan Gupta** **3. Dr. Ashish Baldi**

Design Application Status

Application Status:	Design Accepted and Published, Journal No is 33/2025 and Journal Date is 15/08/2025

Back

Design Application Details

Application Number:	470501-001
CBR Number:	218267
CBR Date:	21/08/2025 15:14:01
Applicant Name:	**1. Dr. Gagan Gupta** **2. Dr. Veena Sharma** **3. Dr. Ashish Baldi**

Design Application Status

Application Status:	Examination Report has been Generated ,Online Reply Document Received(FER generated on 11/11/2025)

Back

INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

सत्यमेव जयते
GOVERNMENT OF INDIA

Controller General of Patents,Designs and Trademark
Department of Industrial Policy and Promotion
Ministry of Commerce and Industry

Design Application Details

Application Number:	470502-001
CBR Number:	218267
CBR Date:	21/08/2025 15:14:01
Applicant Name:	**1. Dr. Ashish Baldi** **2. Dr. Veena Sharma** **3. Dr. Gagan Gupta**

Design Application Status

Application Status:	Design Accepted and Published, Journal No is 13/2026 and Journal Date is 27/03/2026

Back

INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

सत्यमेव जयते
GOVERNMENT OF INDIA

Controller General of Patents,Designs and Trademarks
Department of Industrial Policy and Promotion
Ministry of Commerce and Industry

Design Application Details

Application Number:	469913-001
CBR Number:	217880
CBR Date:	16/08/2025 17:39:01
Applicant Name:	**1. Ms. Manmeet Kaur** **2. Dr. Munish Kumar** **3. Ms. Manjot Rani**

Design Application Status

Application Status:	Design Accepted and Published, Journal No is 52/2025 and Journal Date is 26/12/2025

Back

Design Application Details

Application Number:	469914-001
CBR Number:	217880
CBR Date:	16/08/2025 17:39:01
Applicant Name:	**1. Ms. Manjot Rani** **2. Dr. Munish Kumar** **3. Ms. Manmeet Kaur**

Design Application Status

Application Status:	Case is in Amended Case of Controller

Back

Intellectual Property Office

Certificate of Registration for a UK Design

Design number: 6416121

Grant date: 14 January 2025

Registration date: 08 January 2025

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

Gurpreet Singh, Jillellamoodi Naga Madhuri, Dr. Mohammed Javeed Ahammed, Soumya Mishra, Dr.Manoj Kumar, Dr. Anil Kumar, Dr. Neeraj Kumar, Dr. Angesh Chandra, Manu Yadakere Murthygowda, Dr. Yuvaraj Kunnathur Periyasamy

in respect of the application of such design to:

WIRELESS CHARGING STATION INTEGRATED WITH SENSOR

International Design Classification:
Version: 15-2025
Class: 13 EQUIPMENT FOR PRODUCTION, DISTRIBUTION OR TRANSFORMATION OF ELECTRICITY
Subclass: 02 POWER TRANSFORMERS, RECTIFIERS, BATTERIES AND ACCUMULATORS

Adam Williams

THE PATENT OFFICE OFFICIAL

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.

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/08/2025

(21) Application No.202521080196 A

(43) Publication Date : 05/09/2025

(54) Title of the invention : AI-Based Personalized Education with Emotional Context Insights

(51) International classification :G06Q0050200000, G09B0019000000, G09B0007020000, G06V0040160000, A61B0005160000

(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)Mr. Kranti Kumar Jain
Address of Applicant :Assistant Professor, HOD, Artificial Intelligence & Data Science Department, Chhatrapati Shivaji Institute of Technology, Shivaji Nagar, Pisegaon-491001, Durg, Chhattisgarh, India ---------- ----------

2)Jitendra Kumar

3)Dr.R.Anitha

4)Dr. Aruna Rani

5)Dr. Nagarathnamma J

6)Dr. M. Sampath Kumar

7)Vuna Venkata Vidyasagar

8)Dr. Sivasankara Babu Jonna

9)Sakshi Dhawan

10)Dr. Aashdeep Singh

Name of Applicant : NA

Address of Applicant : NA

(72)**Name of Inventor :**

1)Mr. Kranti Kumar Jain
Address of Applicant :Assistant Professor, HOD, Artificial Intelligence & Data Science Department, Chhatrapati Shivaji Institute of Technology, Shivaji Nagar, Pisegaon-491001, Durg, Chhattisgarh, India ---------- ----------

2)Jitendra Kumar
Address of Applicant :Assistant Professor (Sr.Grade), Department of Computer Science and Engineering, SRM University, Delhi-NCR, Sonepat, Haryana,131029, India ---------- ----------

3)Dr.R.Anitha
Address of Applicant :Professor, Department of Biomedical Engineering, Jerusalem College of Engineering, Pallikaranai, Chennai, Tamil Nadu, India ---------- ----------

4)Dr. Aruna Rani
Address of Applicant :Associate Professor and COD, Department of PG, Commerce, Presidency College, Bengaluru, Karnataka, India ---------- ----------

5)Dr. Nagarathnamma J
Address of Applicant :Assistant Professor and HOD, Department of Commerce and Management, Presidency College, Bengaluru, Karnataka, India ---------- ----------

6)Dr. M. Sampath Kumar
Address of Applicant :Assistant Professor, Department of Mechanical Engineering, Keshav Memorial Engineering College, Kachavanisingaram, Uppal, Hyderabad-500088, India ---------- ----------

7)Vuna Venkata Vidyasagar
Address of Applicant :Assistant Professor, Department of Computer Science Engineering, Raghu Engineering College, Dakamarri, Visakhapatnam, Andhra Pradesh 531162, India ---------- ----------

8)Dr. Sivasankara Babu Jonna
Address of Applicant :Associate Professor, Department of Computer Science and Engineering (Artificial Intelligence), Sri Mittapalli College of Engineering, Tummala Palem, Guntur - 522233, Andhra Pradesh, India ---------- ----------

9)Sakshi Dhawan
Address of Applicant :Department of Computer Science and Engineering, Punjab Institute of Technology, Rajpura (MRSPTU Bathinda) Rajpura, Punjab-140401, India ---------- ----------

10)Dr. Aashdeep Singh
Address of Applicant :Maharishi Markandeshwar, University, Computer Science and Engineering, Ambala, India ---------- ----------

(57) Abstract :
The present invention provides an AI based educational system that includes real-time emotional context feedback for personalized learning. The emotional state includes assessment of facial expression, voice tone, and physiological sensors using emotional recognition techniques like facial expression analysis, voice tone recognition, and so forth. This is then combined with cognitive measures (eg, tests and quizzes) and keystrokes collected during completion of the tasks, and the system adapts to the data in real-time to provide the learners with content that is tailored to the individual's affective state and the cognitive acumen. This individualized approach isn't just simply more effective for building cognitive skills; it also tackles the emotional factors that fuel engagement, motivation and academic achievement. Whenever impatience, boredom or frustration are de- tected in a group, either simplified content, emotional support or interactive elements to regain attention are provided. On the other hand, in case learners indicate motivation or interest, the system raises a level of difficulty or presents more difficult problems in order to keep them engaged. This emotional context awareness adds to learner retention, development of positive emotional association with learning, and long term academic achievements. The present invention utilizes a comprehensive integrative learning environment which is designed to provide for the intellectual and emotional well-being of learners, thereby enhancing the resilience, self-regulation, and persistence salience of students when engaging in learning.

No. of Pages : 13 No. of Claims : 7

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/02/2025

(21) Application No.202511008514 A

(43) Publication Date : 21/02/2025

(54) Title of the invention : A SYSTEM AND METHOD FOR ENVIRONMENTAL SOUND CLASSIFICATION TO ENHANCE ELDERS' SAFETY

(51) International classification	:G10L0025240000, A61B0007000000, H04R0003000000, G08B0021040000, H04S0007000000
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)**Name of Applicant :**
1)Anam Bansal
Address of Applicant :198, Bharat Nagar, Bathinda-151001, Punjab, India. ----------
2)Naresh Kumar Garg
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)Anam Bansal
Address of Applicant :198, Bharat Nagar, Bathinda-151001, Punjab, India. ----------
2)Naresh Kumar Garg
Address of Applicant :Maharaja Ranjit Singh Punjab Technical University, Bathinda-151001, Punjab, India ---------- ----------

(57) Abstract :
ABSTRACT The present invention relates to a productivity management system (100) and method (400) for environmental sound classification aimed at enhancing elder safety. It comprises one or more sound sensors (101) to capture audio signals belonging to predefined sound classes, such as distress sounds. A sound processing unit (108) augments the captured audio data (102), extracts (103) 40 Mel Frequency Cepstral Coefficients (MFCCs) as features, and classifies (106) sounds by tuning hyper parameters, including filters, batch size, LSTM layers, neurons, and momentum. Upon detecting distress sounds, an alert mechanism (109) notifies caregivers in real-time through various communication channels. The system (100) ensures prompt response and improved safety for elders in their environment. Fig. 1

No. of Pages : 30 No. of Claims : 10

INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

सत्यमेव जयते

क्रम सं/SL No :011217778

पेटेंट कार्यालय,भारत सरकार | The Patent Office, Government Of India

पेटेंट प्रमाण पत्र | Patent Certificate

(पेटेंट नियमावली का नियम 74) | (Rule 74 of The Patents Rules)

पेटेंट सं. / Patent No.	:	557775
आवेदन सं. / Application No.	:	202311072820
फाइल करने की तारीख / Date of Filing	:	26/10/2023
पेटेंटी / Patentee	:	1.Dr. Charanjeet Madan 2.Mr. Vijay Pal Singh 3.Dr. Manoj Sharma 4.Dr. Naresh Kumar

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाप्रकटित *SMART VACUUM CLEANER WITH AN OBJECT RECOGNIZER AND WASTE SEPARATOR* नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख अक्टूबर 2023 के छब्बीसवें दिन से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled *SMART VACUUM CLEANER WITH AN OBJECT RECOGNIZER AND WASTE SEPARATOR* as disclosed in the above mentioned application for the term of 20 years from the 26th day of October 2023 in accordance with the provisions of the Patents Act,1970.

उमा शं. पंडित
पेटेंट नियंत्रक
Controller of Patents

अनुदान की तारीख : 10/01/2025
Date of Grant :

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, अक्टूबर 2025 के छब्बीसवें दिन को और उसके पश्चात प्रत्येक वर्ष मे उसी दिन देय होगी।

Note. - The fees for renewal of this patent, if it is to be maintained, will fall / has fallen due on 26th day of October 2025 and on the same day in every year thereafter.

*चूंकि पेटेंटी व आविष्कारकों की संख्या अधिक है, पेटेंटी व आविष्कारकों के नाम पृष्ठ संख्या 2 पर जारी हैं।
*Since the Number of Patentees / Inventors is more, the name of Patentees / Inventors are continued on Page No. 2