

ਮਹਾਰਾਜਾ ਰਣਜੀਤ ਸਿੰਘ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ, 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

2016-21

PATENTS/IPRs



MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY

Bathinda-151001 (Punjab), India

PATENTS/IPRs



2016-21

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

PATENTS/IPRs [2016-21]

Prepared by:

- Prof. (Dr.) Ashish Baldi, Dean R&D
- Dr. K. S. Sandhu, Department of Food Science & Technology, MRSPTU, Bathinda
- Dr. Kewal Kumar, Department of Chemistry, MRSPTU, Bathinda
- Mr. Amandeep Singh, Department of Food Science & Technology, MRSPTU, Bathinda
- Ms. Reetu, Department of Food Science & Technology, MRSPTU, Bathinda
- Mr. Amit Kumar Tiwari, Department of Food Science & Technology, MRSPTU, Bathinda

All rights reserved with MRSPTU

Year 2021

INTERNAL QUALITY ASSURANCE CELL


PATENTS/IPRs

2016-21

| Name of the Teacher | Patent Number | Title of the patent | Year of Award / publish of patent |
|----------------------------|----------------------|--|--|
| Dr.Jatinder Kaur | L-75137/2018 | Kaur's Energy Efficiency Tool | 2018 |
| Dr. Jatinder Kaur | 303110 | Apparatus for Identifying Key parameters of Energy Efficient Building design | 2018 |
| Dr. Kawaljit Singh Sandhu | 2.02E+11 | RAPID PROCESS FOR SYNTHESIS OF BIODEGRADABLE STARCH FILMS FROM NON-EDIBLE STARCH SOURCES | 2018 |
| Dr. Kawaljit Singh Sandhu | 2.02E+11 | BIODEGRADABLE BROAD SPECTRUM ANTIMICROBIAL FOOD PACKAGING FILM AND METHOD THEREOF | 2018 |
| Sunita Kotwal | 201941027667 | System of Computerized Articles- Sorting based on Colour,Shape, Odor and weight. | 2019 |
| Dr. Anju Sharma | 2.01911E+11 | Load Balancers Design System For Fog Computing Using Fuzzy Logic | 2019 |
| Dr. Munish Kumar | 2020103520 | Real Time Object Recognition Method | 2020 |
| Dr. Gurpreet Singh | 2020102302 | UNDERWATER ROBOTS DESIGN AND CONTROL MECHANISM USING PARTICLE SWARM OPTIMIZATION ALGORITHM | 2020 |
| Dr. Gurpreet Singh | 202041035424 A | EMBEDDED REAL-TIME FINGER-VEIN DETECTION BASED ADVANCED SECURITY SYSTEM | 2020 |
| Dr. Amit Kumar Manocha | 2020102099 | A Rule based Rootkit Detection Method using Machine Learning in Embedded IoT Devices | 2020 |
| Dr. Amit Kumar Manocha | 202041036218 A | ARTIFICIAL INTELLIGENCE IN MODERN LARGE POWER SYSTEM APPLICATIONS | 2020 |
| Aashdeep Singh | 202041040599 A | Wireless Sensor Pillow For Sleep Monitoring And Gesture Recognition System Using Embedded Controller | 2020 |
| Prof. Ashish Baldi | 329033-001 | Design Patent for "Disinfection Device" | 2021 |
| Prof. Ashish Baldi | 344784-001 | Pharmaceutical Soxhlet Apparatus | 2021 |
| Dr. Munish Kumar | 2021101078 | A method for gender classification based on offline handwriting and a system thereof | 2021 |
| Dr. Munish Kumar | 2021100089 | A Method To Word Recognition For The Postal Automation And A System Thereof | 2021 |

| | | | |
|--------------------|------------|---|------|
| Dr. Munish Kumar | 2021101097 | A System And Method For Automatic Playlist Generation By Analysing Human Emotions Through Physiological Signals | 2021 |
| Dr. Munish Kumar | 2021101517 | A system for object recognition for Visual surveillance | 2021 |
| Prof. Ashish Baldi | 345033-001 | Hair Comb with bristle cap and bottle | 2021 |
| Prof. Ashish Baldi | 329034-001 | "Spray Tunnel For Sanitization" | 2021 |
| Prof. Ashish Baldi | 5156014 | Ayush Ashish | 2021 |
| Prof. Ashish Baldi | 5157506 | Ayush Ashish | 2021 |
| Prof. Ashish Baldi | 5157504 | Ayush Ashish | 2021 |
| Dr. Gurpreet Singh | 2021102089 | Estimation of Biomarkers for Adaptive Immunity in Infectious Diseases using Smart IoT Sensors and Deep Learning | 2021 |
| Dr. Manoj Sharma | 2021103042 | A system and method for predicting badminton match outcome | 2021 |
| Dr. Gurpreet Singh | 2021103546 | Hybrid Network for Real-Time Tracking using Machine to Machine Communication | 2021 |

Dated : 12/05/2018

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-CQ/L
Date of Application : 27/02/2018
Date of Receipt : 27/02/2018





ORIGINAL

No. 70701

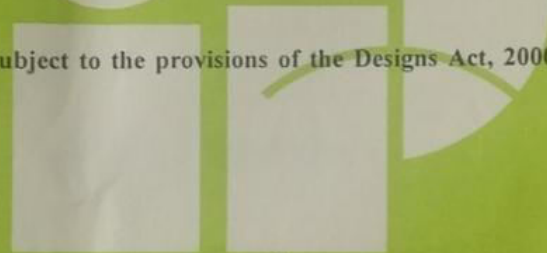
भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE

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.



Oknada

INTELLECTUAL

Controller General of Patents, Designs and Trade Marks

PROPERTY INDIA

*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

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.

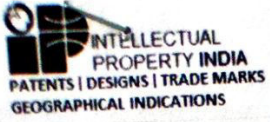


KOMPAL BANSAL

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

DATED: 01/10/2018

PLACE: CHANDIGARH



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](#)

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

The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right.



Australian Government
IP Australia

SUMMARY

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

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, Gharoun, 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

Dr Amanpreet Kaur
Dr Amit Kumar Manocha
Mr Aashdeep Singh
Dr Thamarai Selvi G
Mr Faizal N
Dr Gurram Sunitha
Dr Shanthy D

Related Applications

Specification

| | |
|-------------------------|-----------------|
| Description | Description.pdf |
| Claims | Claims.pdf |
| Abstract | Abstract.pdf |
| Sequence listing | Not provided |
| Drawings | Diagram.pdf |

Physical media to be provided? No

Entitlement

Applicants on this application are inventors.

Your current transaction has not been submitted yet. Please click on the **ADD TO CART** button to proceed further.

(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 Gharoun, 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

PATENTS ACT 1990

The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right.



Australian Government

IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2020102099

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 30th day of September 2020

Commissioner of Patents

PATENTS ACT 1990

The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right.

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041036218 A

(19) INDIA

(22) Date of filing of Application :22/08/2020

(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 | (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 |
| (31) Priority Document No | :NA | 2)Dr. S. SHANTHI |
| (32) Priority Date | :NA | 3)Dr. AMIRTHALAKSHMI. T. M |
| (33) Name of priority country | :NA | 4)Dr. G. RAMKUMAR |
| (86) International Application No | :NA | 5)M. TAMILSELVI |
| Filing Date | :NA | 6)Dr. AMIT KUMAR MANOCHA |
| (87) International Publication No | : NA | 7)Dr. GURPREET SINGH |
| (61) Patent of Addition to Application Number | :NA | 8)R. KANIMOZHI |
| Filing Date | :NA | 9)Dr. AMANPREET KAUR |
| (62) Divisional to Application Number | :NA | 10)Dr. A. ANUSHYA |
| Filing Date | :NA | (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

(21) Application No.202041040599 A

(19) INDIA

(22) Date of filing of Application :18/09/2020

(43) Publication Date : 25/09/2020

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

| | |
|--|---|
| <p>(51) International classification :A61B5/6892</p> <p>(31) Priority Document No :NA</p> <p>(32) Priority Date :NA</p> <p>(33) Name of priority country :NA</p> <p>(86) International Application No :NA</p> <p>Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA</p> <p>Filing Date :NA</p> <p>(62) Divisional to Application Number :NA</p> <p>Filing Date :NA</p> | <p>(71)Name of Applicant :</p> <p>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</p> <p>2)B. V. RAMANA</p> <p>3)KANAGARAJ VENUSAMY</p> <p>4)Dr. GURURAJ MURTUGUDDE</p> <p>5)M. TAMILSELVI</p> <p>6)MANJU BAGGA</p> <p>7)Dr. G. THAMARAI SELVI</p> <p>8)D. SENTHIL KUMAR</p> <p>9)J. REEGAN</p> <p>10)RAJESH GEORGE RAJAN</p> <p>(72)Name of Inventor :</p> <p>1)AASHDEEP SINGH</p> <p>2)B. V. RAMANA</p> <p>3)KANAGARAJ VENUSAMY</p> <p>4)Dr. GURURAJ MURTUGUDDE</p> <p>5)M. TAMILSELVI</p> <p>6)MANJU BAGGA</p> <p>7)Dr. G. THAMARAI SELVI</p> <p>8)D. SENTHIL KUMAR</p> <p>9)J. REEGAN</p> <p>10)RAJESH GEORGE RAJAN</p> |
|--|---|




(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

INTRODUCTION

In view of the recent amendment made in the Designs (Amendment) Rules, 2008 with effect from 17/06/2008, Publication of the matter relating to Designs is being published in the Official Journal of The Patent Office. This Journal is being published on weekly basis on every Friday covering the various proceedings on Designs as required according to the provisions of under Rule 22, 25, 27 and 39 of the Design (Amendment) Rules, 2008. All the enquiries on this Official Journal and other information as required by the public should be addressed to the Controller General of Patents, Designs & Trade Marks. Suggestions and comments are requested from all quarters so that the content can be enriched.

| | | | |
|---|--|----------------|---|
| 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 I.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, 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

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

The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right.



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 & 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

The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right.



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

The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right.

[Home](#)[Quick](#) [Structured](#) [Advanced](#)

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 LSUDHIR 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 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

SANJEEV KUMAR,
IP KAVACH, 251/10 KRISHNA NAGAR, SHAHARAD
MARKANDA, DISTT KURUKSHETRA (HARYANA) 136135

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

INTELLECTUAL
PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

PATENT

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

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



(Handwritten signature)

व्यापार चिन्ह रजिस्ट्री
Trade Marks Registry MUMBAI

व्यापार चिन्ह रजिस्ट्रार
Registrar of Trademarks

रजिस्ट्रीकरण आवेदन की तारीख से 10 वर्ष के लिए है और तदोपरान्त वह 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 अग्रिमपत्र 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. 2956035

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. 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
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 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



(Handwritten signature)

व्यापार चिन्ह रजिस्ट्री
Trade Marks Registry MUMBAI

व्यापार चिन्ह रजिस्ट्रार
Registrar of Trademarks

रजिस्ट्रीकरण आवेदन की तारीख से १० वर्ष के लिए है और तदोपरान्त 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 अग्रिमपत्र 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. 2959248

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. 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 १० वर्ष के लिए है और तदोपरान्त 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.





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, Gharoun, 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



Dated this 26th day of May 2021

Commissioner of Patents

PATENTS ACT 1990

The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right.



Australian Government

IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021102089

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 26th day of May 2021

Commissioner of Patents

PATENTS ACT 1990

The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right.

Extracts from the Patents Act, 1990

Sect 120(1A) Infringement proceedings in respect of an innovation patent cannot be started unless the patent has been certified.

Sec 128 **Application for relief from unjustified threats**

- (1) Where a person, by means of circulars, advertisements or otherwise, threatens a person with infringement proceedings or other similar proceedings a person aggrieved may apply to a prescribed court, or to another court having jurisdiction to hear and determine the application, for:
- (a) a declaration that the threats are unjustifiable; and
 - (b) an injunction against the continuance of the threats; and
 - (c) the recovery of any damages sustained by the applicant as a result of the threats.
- (2) Subsection (1) applies whether or not the person who made the threats is entitled to, or interested in, the patent or a patent application.

Sec 129A **Threats related to an innovation patent application or innovation patent and courts power to grant relief.**

Certain threats of infringement proceedings are always unjustifiable.

- (1) If:
- (a) a person:
 - (i) has applied for an innovation patent, but the application has not been determined; or
 - (ii) has an innovation patent that has not been certified; and
 - (b) the person, by means of circulars, advertisements or otherwise, threatens a person with infringement proceedings or other similar proceedings in respect of the patent applied for, or the patent, as the case may be; then, for the purposes of an application for relief under section 128 by the person threatened, the threats are unjustifiable.

Courts power to grant relief in respect of threats made by the applicant for an innovation patent or the patentee of an uncertified innovation patent

- (2) If an application under section 128 for relief relates to threats made in respect of an innovation patent that has not been certified or an application for an innovation patent, the court may grant the application the relief applied for.

Courts power to grant relief in respect of threats made by the patentee of certified innovation patent

- (3) If an application under section 128 for relief relates to threats made in respect of a certified innovation patent, the court may grant the applicant the relief applied for unless the respondent satisfies the court that the acts about which the threats were made infringed, or would infringe, a claim that is not shown by the applicant to be invalid.

Schedule 1 **Dictionary**

certified, in respect of an innovation patent other than in section 19, means a certificate of examination issued by the Commissioner under paragraph 101E(e) in respect of the patent

[Home](#)

[Quick](#) [Structured](#) [Advanced](#)



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

ED DOSSIER

ICLE DETAILS

PUBLICATION HISTORY

Continuation/Renewal fee history

| | | | | | |
|---------------------|--------------|------------|--------------|---|-----------|
| Date paid | Paid to date | 2023-06-02 | Next fee due | 2 | Fee Table |
| Last agency address | | | | | |

Publication history

| Vol/Iss | Publication date | Publication action | Reason | Document kind |
|---------|------------------|------------------------------|--------|---------------|
| 35/26 | 2021-07-01 | Innovation Application Filed | | |

OWNERSHIP DETAILS

Change of ownership

Licence details

Mortgage details

| Mortgage status | Mortgagee(s) |
|-----------------|--------------|
| | |

OPPOSITIONS, DISPUTES & AMENDMENTS

Voluntary amendments

Current Oppositions and Disputes

Completed Oppositions and Disputes

Re-examination

Court ordered amendments

| Court order date | Court name and order number |
|------------------|-----------------------------|
| | |

Subscribe to notification service

Submission of Relevant Material (S27, S28)

This data is current as of 2021-12-05 18:00 AEDT.



Australian 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.



Dated this 21st day of July 2021

Commissioner of Patents

PATENTS ACT 1990

The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right.



Australian Government

IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021103546

Term of Patent:

Eight years from 22 June 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 21st day of July 2021

Commissioner of Patents

PATENTS ACT 1990

The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right.

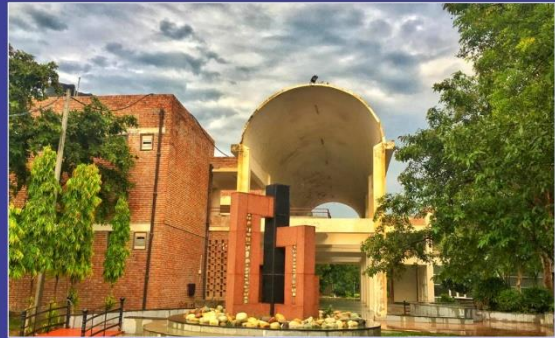


MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY

Dabwali Road, Bathinda (Pb.) - 151001

(Estd. by Govt. of Punjab Vide Punjab Act No. 5 of 2015) ONLY TECHNICAL UNIVERSITY OF PUNJAB HAVING UGC APPROVAL UNDER 2(f) AND 12 B OF UGC ACT, MEMBER AIU.

Think Excellence, Live Excellence



INTERNAL QUALITY ASSURANCE CELL
MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY
(DABWALI ROAD, BATHINDA (PB.)- 151001)