



> List of Patents		Academic Year 2021 - 2022			
Sr. No	Faculty Name	Department	Patent Status with Date	Title of Patent	Page No.
1	Bhushan Nandwalkar	Computer Engineering	Published on 15/04/2022	Integrated System to Provide the Health Care for Emergency Patients	2 - 2
2	Vishal Moyal	Electrical Engineering	Published on 07/01/2022	Power Consumption Reduction in IoT Sensor Devices through FPGA and Nano Bridge Switch	3 - 4
3	Umakant Mandawkar	Computer Engineering	Published on 24/12/2021	Automated Knee Osteoarthritis Detection in X-RAY Images Using OPENCV - Deep Learning Algorithm	5 - 5
4	Umakant Mandawkar	Computer Engineering	Granted on 08/12/2021	Method and System for Prediction of COVID-19 through X-ray Images Using Deep Learning	6 - 7
5	Bhushan Behede	Mechanical Engineering	Granted on 08/12/2021	A Novel Acoustic Fluidized Bed Device for Heat Transfer Application	8 - 9
6	Makarand Shahade	Computer Engineering	Published on 03/12/2021	ECG Based Automatic and Dynamic System for Heart Disease Prediction	10 - 10
7	Narayan Chandak	Civil Engineering	Granted on 22/11/2021	Powerless Elevator System	11 - 11
8	Narayan Chandak	Civil Engineering	Granted on 22/11/2021	Nail Picker	12 - 12
9	Umakant Mandawkar	Computer Engineering.	Granted on 10/11/2021	A Single Point Wearable Device for Isolation of the Patients having Infectious Diseases Including COVID-19	13 - 14
10	Umakant Mandawkar	Computer Engineering	Granted on 10/11/2021	A Decentralized Block chain Based Application for Stock Market Exchange	15 - 17
11	Tukaram Gawali	Computer Engineering	Published on 01/10/2021	Sensor Based Intelligent Digital Nose for Analyzing the Breathing Patterns of Lung Cancer Patients using Machine Learning	18 - 18
12	Narayan Chandak	Civil Engineering	Granted on 18/08/2021	Concrete Scanning Equipment	19 - 19
13	Namra Joshi	Electrical Engineering	Filed on 15/07/2021	An IoT Enabled Geospatial Informatics Platform for Financial Surveillance With Trust Management	20 - 26





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



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

Application Details	
APPLICATION NUMBER	202221016228
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	23/03/2022
APPLICANT NAME	1 . Mr. Bhushan Nandwalkar 2 . Dr. Makrand Shahade 3 . Mr. Khalid Alfatmi 4 . Mr. Tukaram Gawali 5 . Mr. Ashish Awate 6 . Ms. Vijaylaxmi Bittal 7 . Ms. Mayuri Kulkarni 8 . Mr. Umakant Mandawkar 9 . Mr. Ranjit Fule 10 . Ms. Rewa Desale
TITLE OF INVENTION	INTEGRATED SYSTEM TO PROVIDE THE HEALTHCARE FOR EMERGENCY PATIENT
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	dr.bksarkar2003@yahoo.in
ADDITIONAL-EMAIL (As Per Record)	dr.bksarkar2003@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	15/04/2022

Application Status	
APPLICATION STATUS	Awaiting Request for Examination

			View Documents
--	--	--	--------------------------------



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



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>)



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

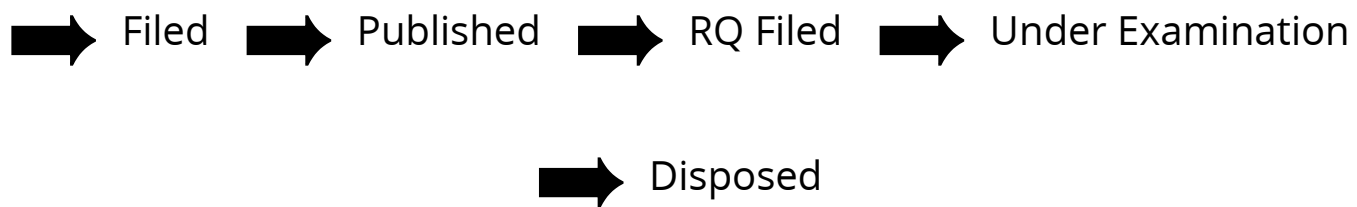
Application Details

APPLICATION NUMBER	202141061249
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	28/12/2021
APPLICANT NAME	1 . D. Haripriya 2 . Dr Yogini Dilip Borole 3 . Ashutosh Khade 4 . Dr. Anurag Shrivastava 5 . Dr. Vishal Moyal 6 . Mayank Gupta
TITLE OF INVENTION	Power Consumption Reduction in IoT Sensor Devices through FPGA and Nano Bridge Switch
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	senanipindia@gmail.com
ADDITIONAL-EMAIL (As Per Record)	admin@senanip.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	07/01/2022

Application Status

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

[View Documents](#)



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



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



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

Application Details	
APPLICATION NUMBER	202121052678
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	17/11/2021
APPLICANT NAME	1 . Umakant Mandawkar 2 . Dr. SAROJINI. YARRAMSETTI 3 . Dr. T. RAMANATHAN 4 . Kumar Siddamallappa U 5 . Ranjith R 6 . MR. UMANG RASTOGI 7 . C Aravindan 8 . M.Swapna 9 . Dimple 10 . Dr. Brijesh Sathian
TITLE OF INVENTION	AUTOMATED KNEE OSTEOARTHRITIS DETECTION IN X-RAY IMAGES USING OPENCV - DEEP LEARNING ALGORITHMS
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	senanipindia@gmail.com
ADDITIONAL-EMAIL (As Per Record)	admin@senanip.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	24/12/2021

Application Status	
APPLICATION STATUS	Awaiting Request for Examination

			View Documents
--	--	--	--------------------------------



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



Australian Government

IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021107308

The Commissioner of Patents has granted the above patent on 8 December 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Anvar Shathik J of Associate Professor, Department of Cloud technology & Data Science, (iNurture Education solutions) Srinivas University College of Engineering & Technology Mangalore Karnataka 574146 India

Abolfazl Mehbodniya of Associate Professor and Head, Department of Electronics and Communication Engineering, Kuwait College of Science and Technology (KCST) Kuwait

Julian L. Webber of Assistant Professor, Osaka University Ikeda City Japan

N. TENSINGH BALIAH of ASSISTANT PROFESSOR, DEPARTMENT OF BOTANY, AYYA NADAR JANAKI AMMAL COLLEGE, SIVAKASI TAMILNADU India

J. JOHN WILSON of Assistant Professor, Department of Microbiology, AyyaNadar Janaki Ammal College, Sivakasi Tamil Nadu India

Tapalina Bhattasali of Assistant Professor & Head, Department of Information Technology, St. Xavier's College (Autonomous) Kolkata India

Brijesh Sathian of Scientist, Geriatrics and Long term care Department, Rumailah Hospital, Hamad Medical Corporation, Doha, Qatar, P. O BOX 3050 Doha Qatar

D. Sindhu of Assistant Professor, Sri Eshwar College of Engineering, Pollachi Coimbatore 642001 India

Umakant D. Mandawkar of Assistant Professor, SVKM's Institute of Technology, Dhule Maharashtra 424001 India

D. N. P. SUDARMANI of Assistant Professor, Department of Zoology, AyyaNadar Janaki Ammal College, Sivakasi Tamil Nadu India

Title of invention:

Method and System for prediction of COVID-19 through X-ray images using deep learning

Name of inventor(s):

J., Anvar Shathik; Mehbodniya, Abolfazl; Webber, Julian L.; BALIAH, N. TENSINGH; WILSON, J. JOHN; Bhattasali, Tapalina; Sathian, Brijesh; Sindhu, D.; Mandawkar, Umakant D. and SUDARMANI, D. N. P.

Term of Patent:

Eight years from 25 August 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 8th day of December 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

Sec 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



Australian Government

IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021107426

The Commissioner of Patents has granted the above patent on 8 December 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Mohitkumar Gabhane of Research Scholar, Department of Mechanical Engineering, School of Engineering, O P Jindal University, Punjipathra Raigarh Chhattisgarh 496109 India

Uday Wankhede of Associate Professor, Mechanical Engineering Department, Government College of Engineering Chandrapur Maharashtra 442403 India

Nilesh Awate of Assistant Professor, Mechanical Engineering Department, G. H. Rasoni College of Engineering, C.R.P.F. Gate No. 3, Hingna Road Nagpur Maharashtra 440016 India

Ashish Raut of Assistant Professor, Mechanical Engineering Department, G. H. Rasoni College of Engineering, C.R.P.F. Gate No. 3, Hingna Road Nagpur Maharashtra 440016 India

Shyamal Chakrabarty of Assistant Professor, Mechanical Engineering Department, J D College of Engineering and Management Nagpur Maharashtra 441501 India

Bhushan Behede of Assistant Professor, Mechanical Engineering Department, Shri Vile Parle Kelavani Mandal's Institute of Technology Dhule Maharashtra 424001 India

Amol Pitale of Assistant Professor, Mechanical Engineering Department, G. H. Rasoni College of Engineering, C.R.P.F. Gate No. 3, Hingna Road Nagpur Maharashtra 440016 India

Title of invention:

A NOVEL ACOUSTIC FLUIDIZED BED DEVICE FOR HEAT TRANSFER APPLICATION

Name of inventor(s):

Gabhane, Mohitkumar; Wankhede, Uday; Awate, Nilesh; Raut, Ashish; Chakrabarty, Shyamal; Behede, Bhushan and Pitale, Amol

Term of Patent:

Eight years from 25 August 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 8th day of December 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



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



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

Application Details	
APPLICATION NUMBER	202121035174
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	04/08/2021
APPLICANT NAME	1 . Prof. Avinash Lalasaheb Golande 2 . Dr. T. Pavankumar 3 . Dr. Madhavi Ajay Pradhan 4 . Dr. P. Venkateswara Rao 5 . Prof. Vijay Arun Kotkar 6 . Prof. Uday Chandrakant Patkar 7 . Prof. Vinodkumar Hemanth Bhutnal 8 . Prof. Rushali Anandrao Deshmukh 9 . Dr. Makarand Rambhau Shahade 10 . Prof. Divyashree Ramaiah
TITLE OF INVENTION	ECG BASED AUTOMATIC AND DYNAMIC SYSTEM FOR HEART DISEASE PREDICTION
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	avinash.golande@gmail.com
ADDITIONAL-EMAIL (As Per Record)	pavankumar_ist@kluniversity.in
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	03/12/2021

Application Status	
APPLICATION STATUS	Awaiting Request for Examination

			View Documents
--	--	--	--------------------------------



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



ORIGINAL

No. 105051

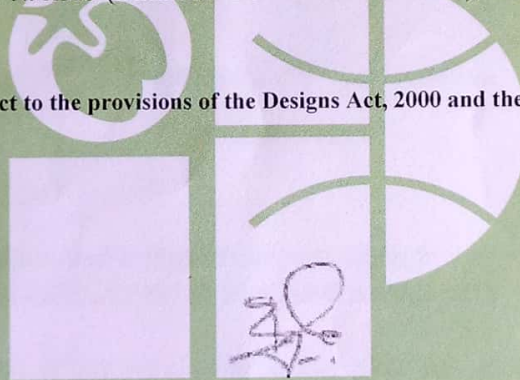
भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE

CERTIFICATE OF REGISTRATION OF DESIGN

Design No. 313847-001
Date 14/01/2019
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 12-05 in respect of the application of such design to POWERLESS ELEVATOR SYSTEM in the name of 1.DR. NARAYAN R. CHANDAK, 304, STAFF QUARTERS, MUKESH PATEL TECHNOLOGY PARK, NMIMS (DEEMED TO BE UNIVERSITY), BABULDE, SHIRPUR, DIST: DHULE (M.S.) 425405 2. MR. AJAY SEHRAWAT, NMIMS (DEEMED TO BE UNIVERSITY), BABULDE, SHIRPUR, DIST: DHULE (M.S.) 425405 3. MR. SIDDHANSH JAIN, NMIMS (DEEMED TO BE UNIVERSITY), BABULDE, SHIRPUR, DIST: DHULE (M.S.) 425405 4. MR. SHIVAM TIWARI, NMIMS (DEEMED TO BE UNIVERSITY), BABULDE, SHIRPUR, DIST: DHULE (M.S.) 425405

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

DR. NARAYAN R. CHANDAK,
NMIMS (DEEMED TO BE UNIVERSITY), BABULDE,
SHIRPUR, DIST: DHULE (M.S.) 425405 INDIA

Date of Issue 22/11/2021 14:47:34



ORIGINAL

No. 105046

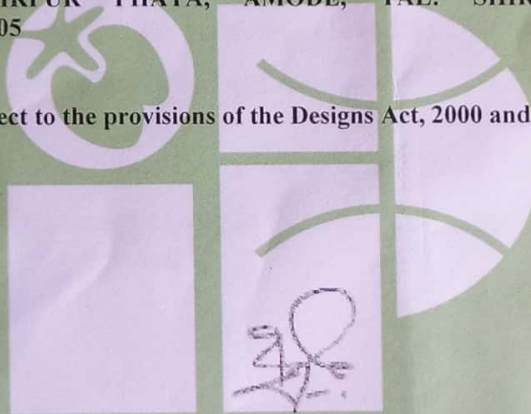
भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE

CERTIFICATE OF REGISTRATION OF DESIGN

Design No. 350717-001
Date 05/10/2021 13:33:17
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 29-02 in respect of the application of such design to NAIL PICKER in the name of 1. ANOKHI NARAYAN CHANDAK, POST : WANKHED, TAL.: SAGRAMPUR DIST. BULDHANA, MS 444201 2. NARAYAN RATANLALJI CHANDAK, POST : WANKHED, TAL.: SAGRAMPUR DIST. BULDHANA, MS 444201 3. HEMRAJ RAMDAS KUMAVAT, 05, SHIRPUR PHATA, AMODE, TAL: SHIRPUR, DIST: DHULE, MAHARASHTRA, 425405

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

NARAYAN RATANLALJI CHANDAK,
POST : WANKHED, TAL.: SAGRAMPUR DIST.
BULDHANA, MS 444201

Date of Issue 22/11/2021 14:35:23



Australian Government

IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021105614

The Commissioner of Patents has granted the above patent on 10 November 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

SWARNAVA BISWAS of School of Health Sciences, The Neotia University Kolkata, West Bengal- 743368 India

MOUMITA MUKHERJEE of Department of Physics, School of Basic and Applied Sciences, Adamas University Kolkata, West Bengal, 700126 India

SAMIR DEY of Assistant Professor, Department of Computer Science and Engineering, JIS University 81, Nilgaunge Road, Kolkata-700109 India

NILADRI MAITI of Associate Professor, Medical School, Akfa University Tashkent Uzbekistan

DIBYENDU KUMAR PAL of HOD & Assistant Professor (Department of Computer Application), Asansol Engineering College, Kanyapur, Vivekananda Saroni, Asansol WB-713305 India

SOUMEN PRAKASH KABI of Assistant Professor (Department of Computer Application), Asansol Engineering College, Kanyapur, Vivekananda Saroni, Asansol Asansol, WB-713305 India

DEBAJIT SARMA of Department of EEE, IIT Guwahati 781039 India

AVIJIT BHOWMICK of Dept. Of CSE, Budge Budge Institute of Technology Budge Budge Kolkata - 700137 West Bengal India

UMAKANT MANDAWKAR of Assistant Professor, Department of Computer Engineering, SVKM's Institute of Technology, Dhule., Survey No. 499, Plot No. 2, Mumbai Agra Highway behind Gurudwara, Dhule, Maharashtra 424001 India

NAVED ALAM of Department of Computer Science, SEST JAMIA HAMDARD DELHI-110062 India

Title of invention:

A Single Point Wearable Device for Isolation of the Patients having Infectious Diseases Including COVID-19

Name of inventor(s):

BISWAS, SWARNAVA; MUKHERJEE, MOUMITA; DEY, SAMIR; MAITI, NILADRI; PAL, DIBYENDU KUMAR; KABI, SOUMEN PRAKASH; SARMA, DEBAJIT; BHOWMICK, AVIJIT; MANDAWKAR, UMAKANT and ALAM, NAVED

Term of Patent:

Eight years from 16 August 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 10th day of November 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



Australian Government

IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021105826

The Commissioner of Patents has granted the above patent on 10 November 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Umakant D. Mandawkar of Assistant Professor, SVKM's Institute of Technology Dhule Maharashtra India

Ganesh Prasad Sahu of Professor, School of Management Studies Motilal Nehru National Institute of Technology Prayagraj Uttar Pradesh India

Anindita Chakraborty of Assistant Professor, Institute of Management Studies, Banaras Hindu University Varanasi India

Smita Datta of Assistant Professor, University of Engineering & Management Kolkata India

Manmohan Mishra of Associate professor, United Institute of Management, Prayagraj Allahabad U.P. India

Bireswar Dass Mazumdar of Associate Professor, Institute of Engineering & Rural Technology Prayagraj, Allahabad U.P. India

Pavan p kashyap of Assistant professor, CMR University, Devanahalli town Bangalore India

Brijesh Sathian of Scientist, Geriatrics and Long term care Department, Rumailah Hospital, Hamad Medical Corporation Doha 3050 Qatar

Sweta Gupta of Assistant Professor, School of Engineering & Technology, Jagran Lakecity University Bhopal India

Rajit Nair of Assistant Professor, School of Engineering & Technology, Jagran Lakecity University Bhopal India

Digvijay Pandey of DTE India and PhD IET, Dr A.P.J Abdul Kalam Technical University Lucknow India

Binay Kumar Pandey of Asst. Prof, Department of I.T, COT, GBPUAT Pantnagar Udham Singh Nagar Uttarakhand India

Title of invention:

A decentralized Blockchain based application for stock market exchange

Name of inventor(s):

Mandawkar, Umakant D.; Sahu, Ganesh Prasad; Chakraborty, Anindita; Datta, Smita; Mishra, Manmohan; Mazumdar, Bireswar Dass; Kashyap, Pavan P.; Sathian, Brijesh; Gupta, Sweta; Nair, Rajit; Pandey, Digvijay and Pandey, Binay Kumar

Term of Patent:

Eight years from 18 August 2021



Dated this 10th day of November 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: 2021105826

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 10th day of November 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



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



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

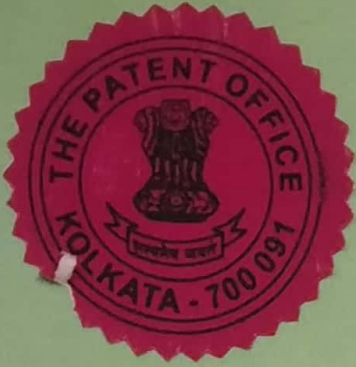
Application Details	
APPLICATION NUMBER	202141041757
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	15/09/2021
APPLICANT NAME	1 . Dr.S.Balamurugan 2 . ANITHA RAJAKUMARI P 3 . SAMBIT PATTANAIK 4 . PANCHAL KETANKUMAR DEVENDRABHAI 5 . DR. MANOJ DILIP SHANTI 6 . NILESH V. GANDHARE 7 . TUKARAM KASHINATH GAWALI 8 . DR. SUSHMA JAISWAL 9 . TARUN JAISWAL
TITLE OF INVENTION	SENSOR-BASED INTELLIGENT DIGITAL NOSE FOR ANALYSING THE BREATHING PATTERNS OF LUNG CANCER PATIENTS USING MACHINE LEARNING
FIELD OF INVENTION	BIO-CHEMISTRY
E-MAIL (As Per Record)	sbnbala@gmail.com
ADDITIONAL-EMAIL (As Per Record)	sbnbala@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	01/10/2021

Application Status	
APPLICATION STATUS	Awaiting Request for Examination

			View Documents
--	--	--	--------------------------------



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



ORIGINAL

No. 101186

भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE

CERTIFICATE OF REGISTRATION OF DESIGN

Design No. 332140-001
Date 19/08/2020 17:00:49
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 15-04 in respect of the application of such design to CONCRETE SCANNING EQUIPMENT in the name of 1. HEMRAJ RAMDAS KUMAVAT, 05, SHIRPUR PHATA, AMODE, TAL: SHIRPUR, DIST: DHULE, MAHARASHTRA, 425405 2. NARAYAN RATANLALJI CHANDAK, 304, STAFF QUARTERS, MPSTME NMIMS (DEEMED TO BE UNIVERSITY), BABULDE, TAL. SHIRPUR, DIST. DHULE M.S. 425405 3. DHANANJAY JITENDRA JADHAV, 241B, SHUBHAM PARK, NEAR SAHARA TOWN, NANDURBAR, MAHARASHTRA, 425412 4. ROHAN VIKAS KUMAVAT, 471, 55 GALLI VARSHI, TAL SHINDKHEDA, DIST DHULE, MAHARASHTRA, 425404, ET AL.

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

HEMRAJ RAMDAS KUMAVAT,
05, SHIRPUR PHATA, AMODE, TAL: SHIRPUR, DIST:
DHULE, MAHARASHTRA, 425405

Date of Issue 18/08/2021 14:35:13

Controller General of Patents, Designs & Trade
Marks



सत्यमेव जयते

G.A.R.6
[See Rule 22(1)]
RECEIPT



Docket No 37418

Date/Time 2021/07/15 22:44:26

To
Harish Sharma

UserId: inpa3649

A-2, Sect.-60, Noida, Uttar Pradesh

CBR Detail:

Sr. No.	Ref. No./Application No.	App. Number	Amount Paid	C.B.R. No.	Form Name	Remarks
1	202121032000	TEMP/E-1/35760/2021-MUM	1600	16060	FORM 1	"AN IOT ENABLED GEOSPATIAL INFORMATICS PLATFORM FOR FINANCIAL SURVEILLANCE WITH TRUST MANAGEMENT"
2	E-12/1126/2021/MUM	202121032000	2500	16060	FORM 9	---

TransactionID	Payment Mode	Challan Identification Number	Amount Paid	Head of A/C No
N-0000828346	Online Bank Transfer	1507210017102	4100.00	1475001020000001

Total Amount : ₹ 4100

Amount in Words: Rupees Four Thousand One Hundred Only

Received from Harish Sharma the sum of ₹ 4100 on account of Payment of fee for above mentioned Application/Forms.

* This is a computer generated receipt, hence no signature required.

[Print](#)

[Home](#)

[About Us](#)

[Contact Us](#)

FORM 1 THE PATENTS ACT 1970 (39 of 1970) and THE PATENTS RULES, 2003 APPLICATION FOR GRANT OF PATENT (See section 7, 54 and 135 and sub-rule (1) of rule 20)				(FOR OFFICE USE ONLY)	
				Application No.	
				Filing date:	
				Amount of Fee paid:	
				CBR No:	
				Signature:	
1. APPLICANT'S REFERENCE / IDENTIFICATION NO. (AS ALLOTTED BY OFFICE)					
2. TYPE OF APPLICATION [Please tick (✓) at the appropriate category]					
Ordinary (✓)		Convention ()		PCT-NP ()	
Divisional ()	Patent of Addition ()	Divisional ()	Patent of Addition ()	Divisional ()	Patent of Addition ()
3A. APPLICANT(S)					
Name in Full		Nationality	Country of Residence	Address of the Applicant	
1. Prof. Shubham Joshi		INDIAN	India	Assistant Professor, Computer Engineering, SVKM's NMIMS University Mumbai, MPSTME Shirpur Campus	
2. Dr. Rajesh Pai		INDIAN	India	Program Director (EMBA & PGDBA) School of Business	
3. Dr. Namra Joshi		INDIAN	India	Assistant Professor, Electrical Engineering SVKM's Institute of Technology, Dhule	
4. Ms. Radhika Joshi				Co-Founder, Perception & Endeavors, Pune	
3B. CATEGORY OF APPLICANT [Please tick (✓) at the appropriate category]					
Natural Person (✓)		Other than Natural Person			
		Small Entity ()	Startup ()	Others ()	
4. INVENTOR(S) [Please tick (✓) at the appropriate category]					

Are all the inventor(s) same as the applicant(s) named above?	Yes (✓)	No ()			
If “No”, furnish the details of the inventor(s)					
Name in Full	Nationality	Country of Residence	Address of the Inventor		
Same as Applicant					
5. TITLE OF THE INVENTION					
“AN IOT ENABLED GEOSPATIAL INFORMATICS PLATFORM FOR FINANCIAL SURVEILLANCE WITH TRUST MANAGEMENT”					
6. AUTHORISED REGISTERED PATENT AGENT(S)	IN/PA No.				
	Name				
	Mobile No.				
7. ADDRESS FOR SERVICE OF APPLICANT IN INDIA	Name	Prof. Shubham Joshi			
	Postal Address	Assistant Professor, Computer Engineering, SVKM's NMIMS University Mumbai, MPSTME Shirpur Campus			
	Telephone No.				
	Mobile No.	8975064564			
	Fax No.				
	E-mail ID	shubhamjoshi@ieee.org			
8. IN CASE OF APPLICATION CLAIMING PRIORITY OF APPLICATION FILED IN-CONVENTION COUNTRY, PARTICULARS OF CONVENTION APPLICATION					
Country	Application Number	Filing date	Name of the applicant	Title of the invention	IPC (as classified in the convention country)
9. IN CASE OF PCT NATIONAL PHASE APPLICATION, PARTICULARS OF INTERNATIONAL APPLICATION FILED UNDER PATENT CO-OPERATION TREATY (PCT)					
International application number			International filing date		
10. IN CASE OF DIVISIONAL APPLICATION FILED UNDER SECTION 16, PARTICULARS OF ORIGINAL (FIRST) APPLICATION					
Original (first) application No.			Date of filing of original (first) application		
11. IN CASE OF PATENT OF ADDITION FILED UNDER SECTION 54, PARTICULARS					

OF MAIN APPLICATION OR PATENT

Main application/patent No.

Date of filing of main application

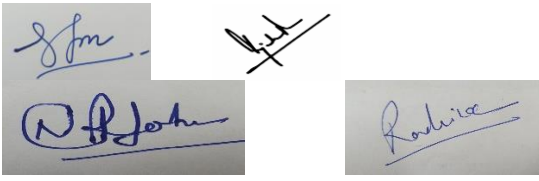
12. DECLARATIONS

(i) Declaration by the inventor(s)

(In case the applicant is an assignee: the inventor(s) may sign herein below or the applicant may upload the assignment or enclose the assignment with this application for patent or send the assignment by post/electronic transmission duly authenticated within the prescribed period).

I/We, the above named inventor(s) is/are the true & first inventor(s) for this Invention and declare that the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date 15/07/2021

(b) Name	(c) Signature
1. Prof. Shubham Joshi 2. Dr. Rajesh Pai 3. Dr. Namra Joshi 4. Ms. Radhika Joshi	

(ii) Declaration by the applicant(s) in the convention country

~~**(In case the applicant in India is different than the applicant in the convention country:** the applicant in the convention country may sign herein below or applicant in India may upload the assignment from the applicant in the convention country or enclose the said assignment with this application for patent or send the assignment by post/electronic transmission duly authenticated within the prescribed period)~~

~~I/We, the applicant(s) in the convention country declare that the applicant(s) herein is/are my/our assignee or legal representative.~~

~~(a) Date~~

~~(b) Signature(s)~~

~~(c) Name(s) of the signatory~~

(iii) Declaration by the applicant(s)

I/We the applicant(s) hereby declare(s) that: -

- I am/ We are in possession of the above-mentioned invention.
- The provisional/complete specification relating to the invention is filed with this application.
- ~~The invention as disclosed in the specification uses the biological material from India and the necessary permission from the competent authority shall be submitted by me/us before the grant of patent to me/us.~~
- There is no lawful ground of objection(s) to the grant of the Patent to me/us.
- I am/we are the true & first inventor(s).
- ~~I am/we are the assignee or legal representative of true & first inventor(s).~~
- ~~The application or each of the applications, particulars of which are given in Paragraph-8, was the first application in convention country/countries in respect of my/our invention(s).~~
- ~~I/We claim the priority from the above mentioned application(s) filed in convention country/countries and state that no application for protection in respect of the invention had been made in a convention country before that date by me/us or by any person from which I/We derive the title.~~
- ~~My/our application in India is based on international application under Patent Cooperation Treaty (PCT) as mentioned in Paragraph-9.~~
- ~~The application is divided out of my /our application particulars of which is given in Paragraph-10 and pray that this application may be treated as deemed to have been filed on DD/MM/YYYY under section 16 of the Act.~~
- ~~The said invention is an improvement in or modification of the invention particulars of which are given in Paragraph-11.~~

13. FOLLOWING ARE THE ATTACHMENTS WITH THE APPLICATION

(a) Form 2

Item	Details	Fee	Remarks
Complete/ Provisional specification)#	No. of pages : 20		
No. of Claim(s)	No. of claims : 08 No. of pages: 02		
Abstract	No. of pages: 01		
No. of Drawing(s)	No. of drawings: 04 No. of pages: 03		

In case of a complete specification, if the applicant desires to adopt the drawings filed with his provisional specification as the drawings or part of the drawings for the complete specification under rule 13(4), the number of such pages filed with the provisional specification are required to be mentioned here.

(b) Complete specification (in conformation with the international application)/as amended before the International Preliminary Examination Authority (IPEA), as applicable (2 copies).

(c) Sequence listing in electronic form

(d) Drawings (in conformation with the international application)/as amended before the International Preliminary Examination Authority (IPEA), as applicable (2 copies).

(e) Priority document(s) or a request to retrieve the priority document(s) from DAS (Digital Access Service) if the applicant had already requested the office of first filing to make the priority document(s) available to DAS.

(f) Translation of priority document/Specification/International Search Report/International Preliminary Report on Patentability.

(g) Statement and Undertaking on Form 3

(h) Declaration of Inventorship on Form 5

(i) Power of Authority

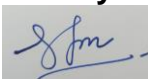
(j) **Total fee ₹.....in Cash/ Banker's Cheque /Bank Draft bearing No.....**

Date on Bank.

I/We hereby declare that to the best of my/our knowledge, information and belief the fact and matters slated herein are correct and I/We request that a patent may be granted to me/us for the said invention.

Dated this 15th day of July, 2021

Signature:



Name: Prof. Shubham Joshi et. al.

To,

The Controller of Patents

The Patent Office, at Mumbai

Note: -

* Repeat boxes in case of more than one entry.

* To be signed by the applicant(s) or by authorized registered patent agent otherwise where mentioned.

* Tick (/) /cross (x) whichever is applicable/not applicable in declaration in paragraph-12.

* Name of the inventor and applicant should be given in full, family name in the beginning.

* Strike out the portion which is/are not applicable.

* For fee: See First Schedule”;