Sushant University

Criteria 3.4.2

E-copies of the letters of awards or patents and the current status Patents granted in the name of the faculty with the institutional affiliation to the university working during the assessment period.

Appendix-II

Bundesrepublik Deutschland

Urkunde

über die Eintragung des Gebrauchsmusters Nr. 20 2022 104 803

Bezeichnung:

Formulierung und Bewertung eines Kräutergels aus Withania Somnifera-Extrakt

IPC:

A61K 36/81

Inhaber/Inhaberin:

Gautam, Archana, New Delhi, IN
Kaur, Kuljinder, Dr., Sonipat, Haryana, IN
Kaur, Rajwinder, M.SC., Malerkotla, Punjab, IN
Kumar, Vinod, Dr., New Delhi, IN
Meena, Prem Lata, Dr., New Delhi, IN
Mundhada, Dharmendra Ramgopalji, Dr., Wardha, Maharashtra, IN
Rawat, Amit Kumar, Dr., New Delhi, IN
Singh, Surinder, Dr., Jalandhar, Punjab, IN
Singh, Vijaykaran, Malderkotla, Punjab, IN
Sinha, Jyoti, Dr., Gurgaon, Haryana, IN
Yadav, Anil, Dr., Sonipat, Haryana, IN

Tag der Anmeldung:

25.08.2022

Tag der Eintragung:

12.09.2022

Die Präsidentin des Deutschen Patent- und Markenamts

Cornelia Rudloff-Schäffer

Cornelia Rudloff-Schäffer

München, 12.09.2022

Die Voraussetzungen der Schutzfähigkeit werden bei der Eintragung eines Gebrauchsmusters nicht geprüft.
Den aktuellen Rechtsstand und Schutzumfang entnehmen Sie bitte dem DPMAregister unter www.dpma.de.

Intellectual Property Office

Certificate of Registration for a UK Design

Design number: 6295890

Grant date: 20 July 2023

Registration date: 12 July 2023

This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Prof. (Dr.) Mohan Prasad Sharma, Ms. Nikita Tomar, Dr. Garima Parkash, Prof. (Chef) Subhadip Majumder, Mr. Priyesh Srivastava, Mr. Yazuvendra Singh, Dr. Saurav Chhabra

in respect of the application of such design to:

Device to Identify Customer Emotional Behaviour for Hospitality Industry

International Design Classification:
Version: 14-2023
Class: 10 CLOCKS AND WATCHES AND OTHER MEASURING INSTRUMENTS, CHECKING AND SIGNALLING INSTRUMENTS
Subclass: 05 INSTRUMENTS, APPARATUS AND DEVICES FOR CHECKING, SECURITY OR TESTING

Adam Williams

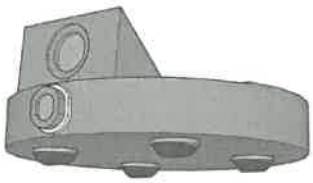
Adam Williams
Comptroller-General of Patents, Designs and Trade Marks
Intellectual Property Office
The attention of the Proprietor(s) is drawn to the important notes overleaf.

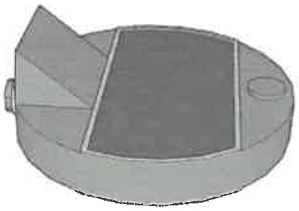
THE PATENT OFFICE OFFICIAL

Intellectual Property Office is an operating name of the Patent Office

Vatel Hotel & Tourism Business School
Sushant Univer
Sector-55, Gur

Representation of Designs





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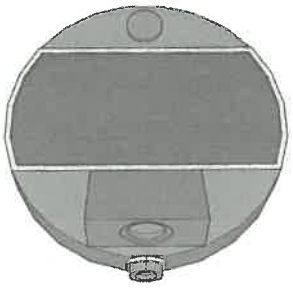
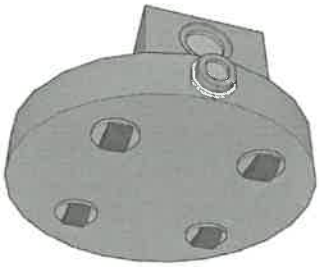
Sector-55, Gurugram





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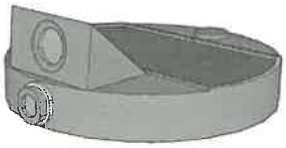
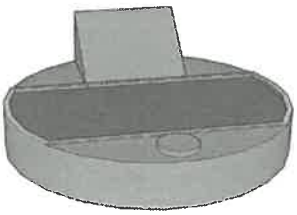
Sector-55, Gu





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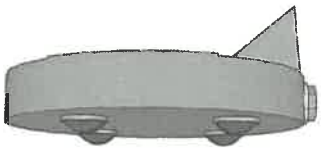
Sector-55, G



(19)

Intellectual Property Office

Certificate of Registration for a UK Design

Design number: 6292553

Grant date: 25 August 2023

Registration date: 27 June 2023

This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Viveka Nand Sharma , Atanu Bhattacharya, Saurav Chhabra, Ajay Pratap Singh,

Chandana Paul, Manoj Srivastava, Nakuleshwar Dut Jasuja, Bhavana Ray

in respect of the application of such design to:

Data Processing Equipment

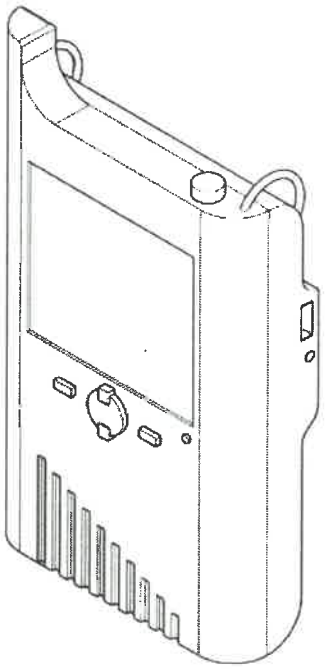
International Design Classification:
Version: 14-2023
Class: 14 RECORDING, TELECOMMUNICATION OR DATA PROCESSING EQUIPMENT
Subclass: 02 DATA PROCESSING EQUIPMENT AS WELL AS PERIPHERAL APPARATUS AND DEVICES

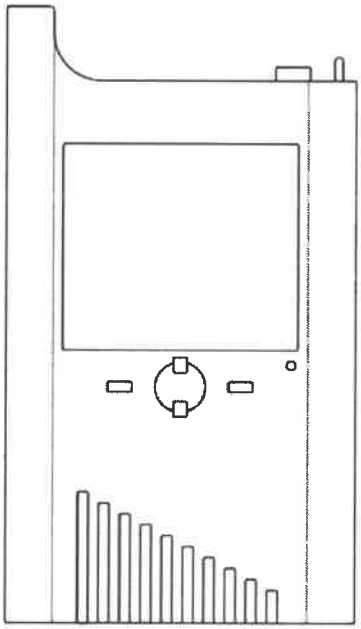
Adam Williams

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

THE PATENT OFFICE
OFFICIAL

Saurav Chhabra
Vatel Hotel & Tourism Business School
Sushant Univ
Sector-55, Gu





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

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

INTELLECTUAL PROPERTY INDIA
PATENTS DESIGNS TRADE MARKS GEOGRAPHICAL INDICATIONS

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

Application Details

APPLICATION NUMBER	201711040039
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	09/11/2017
APPLICANT NAME	**DR. SUNIL KUMAR MAHLA**
TITLE OF INVENTION	A PROCESS OF PRODUCTION OF BIODIESEL FROM RICE BRAN OIL BY TRANSERSTERIFICATION AND PROCESS OPTIMIZATION
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	ashish.iprindia@hotmail.com
ADDITIONAL-EMAIL (As Per Record)	ashish.iprindia@hotmail.com
E-MAIL (UPDATED Online)	ashish.iprindia@hotmail.com,ashish.iprindia@hotmai
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	03/01/2022
PUBLICATION DATE (U/S 11A)	01/12/2017
FIRST EXAMINATION REPORT DATE	30/08/2022
Date Of Certificate Issue	28/03/2024
POST GRANT JOURNAL DATE	05/04/2024
REPLY TO FER DATE	27/02/2023

Application Status

APPLICATION STATUS

Granted Application, Patent Number :530732

E-Register | Order(s)/Decision(s) | View Documents

Filed → Published → RQ Filed → Under Examination → Disposed

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

INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

सत्यमेव जयते

क्रम सं/SL No :011206950

पेटेंट कार्यालय,भारत सरकार
पेटेंट प्रमाण पत्र

(पेटेंट नियमावली का नियम 74)

The Patent Office, Government Of India
Patent Certificate

(Rule 74 of The Patents Rules)

पेटेंट सं. / Patent No.	:	530732
आवेदन सं. / Application No.	:	201711040039
फाइल करने की तारीख / Date of Filing	:	09/11/2017
पेटेंटी / Patentee	:	DR. SUNIL KUMAR MAHLA
आविष्कारकों का नाम /Name of Inventor(s)	:	1.DR. SUNIL KUMAR MAHLA 2.KANWAR JABAR SINGH GILL 3.NEHA GUPTA 4.RAJESH DUDI 5.SOMEET SINGH 6.DR. AMIT DHIR 7.GEETESH GOGA

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाप्रकटित *A PROCESS OF PRODUCTION OF BIODIESEL FROM RICE BRAN OIL BY TRANSERSTERIFICATION AND PROCESS OPTIMIZATION* नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख नवम्बर 2017 के नौवें दिन से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled *A PROCESS OF PRODUCTION OF BIODIESEL FROM RICE BRAN OIL BY TRANSERSTERIFICATION AND PROCESS OPTIMIZATION* as disclosed in the above mentioned application for the term of 20 years from the 9th day of November 2017 in accordance with the provisions of the Patents Act,1970.

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अनुदान की तारीख : 28/03/2024
Date of Grant :

पेटेंट नियंत्रक
Controller of Patents

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, नवम्बर 2019 के नौवें दिन को और उसके पश्चात प्रत्येक वर्ष मे उसी दिन देय होगी।

Note. - The fees for renewal of this patent, if it is to be maintained, will fall / has fallen due on 9th day of November 2019 and on the same day in every year thereafter

The Patents Act, 1970 (as amended)

Section 15

Decision

Ref. No: POM/Application No. **201711040039**
Patent Application No: **201711040039**

Date: 28/03/2024

Applicant/s: **DR. SUNIL KUMAR MAHLA,** having address of **Department of Mechanical Engineering, I.K. Gujral Punjab Technical University Campus, Hoshiarpur, PUNJAB, INDIA**

TECHNICAL DECISION

The Applicant filed this application No. **201711040039** for the grant of patent on 09/11/2017 for the invention titled "**A PROCESS OF PRODUCTION OF BIODIESEL FROM RICE BRAN OIL BYTRANSERSTERIFICATION AND PROCESS OPTIMIZATION**".

In this matter, the facts that have come to my knowledge and made available to me can be traced as follows:

Applicant has amended the original claim 1 by way of characterisation and adding features of claim 2 to 6 and from specification with Form 13 whereas Claims 2 to 6 are deleted to have currently single amended claim 1 filed with reply to hearing filed on 22/03/2024. These amended claim/s are fully considered herein.

SCIENTIFIC AND TECHNICAL DECISION

Scientific and Technical Decision by Controller are based on Scientific and Technical Analysis as the Patent Office is involved directly in scientific and technical service, human resource product link through scientific and technical information analysis by way of examination of patent applications and making scientific reports which facilitates the general public about the available state of art of the relevant technical field, disseminating information though library and information centre which is the minimum criteria of Patent documentation program on international level, providing guidelines for

Dr. Mahla
School Of Engg. & Technology
Sushant University
Sector 55, Gurugram

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examination of patent application in the field of Biotechnology, traditional knowledge, computer related inventions and pharmaceuticals. The Department of Science and technology Govt. of India was established with the objective of promoting new areas of Science & Technology and to play the role of a nodal department for organizing, co-ordinating and promoting scientific and technical activities in the country. As per the OM dated 28.5.1986, the Patent Office has been recognized as a scientific and technical organization by the DST, which is recorded in the OM dated 6.11.1987 and the said position continues till date. Patent Examiner/ Controller has to critically examine the precise scientific and/or technological nature and scope of the invention which is subject of the patent application; thereafter search through many prior publications, critically study the scientific and technological disclosures made therein; compare the invention claimed by the application with the scientific and technological disclosures and ascertain whether the invention claimed by the applicant is "patentable". It is a known fact that an invention is often the result of research activities undertaken by an inventor. The Patent Examiner assesses, after careful study of all the material whether the invention which is result of research activities, is a patentable invention within the Patents Act. The Controller/Examiner, while assessing the patentability of the invention, also holds technical discussions/ hearing with the inventor/inventor's patent agent.

WHAT IS FACT / PARAGRAPHS OF CITED DOCUMENTS:

Based on disclosure of cited documents D1: http://pnrsolution.org/Datacenter/Vol4/Issue1/65.pdf; D2: https://doi.org/10.1080/17597269.2016.1163210, D3: https://doi.org/10.1021/ef700510a, D4: WO2015142211A1, D5: WO2007113530A2, and D6: US20120297665A1, and carrying out scientific and technical analysis of documents D1: http://pnrsolution.org/Datacenter/Vol4/Issue1/65.pdf; D2: https://doi.org/10.1080/17597269.2016.1163210, D3: https://doi.org/10.1021/ef700510a, D4: WO2015142211A1, D5: WO2007113530A2, and D6: US20120297665A1 in Combination Only, for Inventive Step is analyzed for current amended Claim 1 and Dependent Claims.

None of the cited documents as above discloses A process of production of biodiesel from rice bran methyl ester (RBME) oil by transersterification and process of optimization comprising the steps of: Carrying transesterification reaction out in a 2-litre

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three-neck glass reactor equipped with temperature indicator, reflux condenser and at yariac for temperature-controlled oil bath; performing optimization with 0.5-1.5% w/w of catalyst amount; 3:1-12:1 methanol to oil molar ratio; and 50°C -65°C reaction temperature for 30-90 mins; wherein the optimized conditions for biodiesel production are 1% wt. of catalyst (NaOH), 6:1 methanol to oil molar ratio, 60°C room temperature, and 85 minutes as duration for reaction temperature; so as to biodiesel yield of 97.4% is obtained; characterized in that after transesterification reaction, the mixture is then allowed to settle in a separating funnel for overnight so as to separate the glycerol; and after settling of glycerol, the remainder upper layer of methyl ester was washed with distilled water 3-4 times to remove catalyst and excess methanol; and it is then heated at 120°C to remove the traces of moisture; so as to rice bran methyl ester (RBME) so obtained is cooled and stored.

Further argument made by applicant for characterised technical features that " after transesterification reaction, the mixture is then allowed to settle in a separating funnel for overnight so as to separate the glycerol; and after settling of glycerol, the remainder upper layer of methyl ester was washed with distilled water 3-4 times to remove catalyst and excess methanol; and it is then heated at 120°C to remove the traces of moisture; so as to rice bran methyl ester (RBME) so obtained is cooled and stored" have not been taught or disclose in cited documents herein.

Hence, Invention claimed in Patent Application No. **201711040039** is Novel as well as Inventive.

CONCLUSION:

Based on above, objections raised vide the Hearing Notice dated 03/01/2024 has been met. Hence, I hereby proceed to grant the patent application no. **201711040039** under section 15 of the Patents Act, 1970 (as amended).

Dated: 28/03/2024

Mangesh L. Mokashi

Deputy Controller of Patents and Designs

SUSHANT UNIVERSITY SECTOR-55, GURGAON

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Sushant University
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Documents Considered/ Reference made as:

1) D1: http://pnrsolution.org/Datacenter/Vol4/Issue1/65.pdf; D2: https://doi.org/10.1080/17597269.2016.1163210, D3: https://doi.org/10.1021/ef700510a, D4: WO2015142211A1, D5: WO2007113530A2, and D6: US20120297665A1

2) Written submissions with amended claims and relevant documents filed on **22/03/2024.**

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

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

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

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

Application Details

APPLICATION NUMBER	202011045104
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	16/10/2020
APPLICANT NAME	**1 . Dr. Anurag Sharma** **2 . Dr. Vikrant Sharma** **3 . Dr. Love Kumar** **4 . Dr. Harjit Pal Singh** **5 . Dr. Garima Bakshi** **6 . Dr. Suyeb Ahmed Khan** **7 . Dr. Amandeep Verma** **8 . Dr. Puneet Jai Kaur** **9 . Er. Anshu Sharma** **10 . Er. Shilpa Sharma**
TITLE OF INVENTION	IOT BASED HEALTHCARE QUEUE MANAGEMENT SYSTEM
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	ipec@ennobleip.com
ADDITIONAL-EMAIL (As Per Record)	ipec@ennobleip.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	23/11/2020
PUBLICATION DATE (U/S 11A)	06/11/2020
FIRST EXAMINATION REPORT DATE	02/02/2022
Date Of Certificate Issue	05/06/2024
POST GRANT JOURNAL DATE	07/06/2024
REPLY TO FER DATE	02/08/2022

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Application Status

APPLICATION STATUS

Granted Application, Patent Number :540863

E-Register | Order(s)/Decision(s) | View Documents

Filed → Published → RQ Filed → Under Examination → Disposed

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

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PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

सत्यमेव जयते

क्रम सं/SL No :011211393

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

पेटेंट प्रमाण पत्र | Patent Certificate

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

पेटेंट सं. / Patent No.	:	540863
आवेदन सं. / Application No.	:	202011045104
फाइल करने की तारीख / Date of Filing	:	16/10/2020
पेटेंटी / Patentee	:	1.Dr. Anurag Sharma 2.Dr. Vikrant Sharma 3.Dr. Love Kumar 4.Dr. Harjit Pal Singh

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाप्रकटित *IOT BASED HEALTHCARE QUEUE MANAGEMENT SYSTEM* नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख अक्टूबर 2020 के सोलहवें दिन से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled *IOT BASED HEALTHCARE QUEUE MANAGEMENT SYSTEM* as disclosed in the above mentioned application for the term of 20 years from the 16th day of October 2020 in accordance with the provisions of the Patents Act,1970.

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अनुदान की तारीख : 05/06/2024
Date of Grant :

पेटेंट नियंत्रक
Controller of Patents

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, अक्टूबर 2022 के सोलहवें दिन को और उसके पश्चात प्रत्येक वर्ष मे उसी दिन देय होगी।

Note. - The fees for renewal of this patent, if it is to be maintained, will fall / has fallen due on 16th day of October 2022 and on the same day in every year thereafter.

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

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

पेटेंट प्रमाणपत्र के लिए अनुलग्नक/Annexure to Patent Certificate

पेटेंट सं. / Patent No.	:	540863
आवेदन सं. / Application No.	:	202011045104
फाइल करने की तारीख / Date of Filing	:	16/10/2020
पेटेंटी / Patentee (जारी/Continued)	:	5.Dr. Garima Bakshi 6.Dr. Suyeb Ahmed Khan 7.Dr. Amandeep Verma 8.Dr. Puneet Jai Kaur 9.Er. Anshu Sharma 10.Er. Shilpa Sharma

SECTOR-35, GURUGRAM

BEFORE THE CONTROLLER OF PATENTS

The Patents Act 1970 (as amended)
And
The Patents Rules 2003 (as amended)

SECTION 15 & 43(1)

Application No.	202011045104
Application date	16/10/2020
Applicant name	Dr. Anurag Sharma Dr. Vikrant Sharma Dr. Love Kumar Dr. Harjit Pal Singh Dr. Garima Bakshi Dr. Suyeb Ahmed Khan Dr. Amandeep Verma Dr. Puneet Jai Kaur Er. Anshu Sharma Er. Shilpa Sharma
Title	IOT BASED HEALTHCARE QUEUE MANAGEMENT SYSTEM
Address of service in India	ENNOBLE IP, B-17, FIRST FLOOR, SECTOR 6, NOIDA-201301 (UP), INDIA
Request for Examination and date	R20201036737 ,23/11/2020

DECISION

1. The instant application was examined under Section 12 and 13 of Patents Act and First Examination Report (henceforth referred to as FER) containing a statement of objection was issued to applicant on : 02/02/2022 and the applicant filed their reply to FER on 02/08/2022.

2. Based on the reply to the FER, examination has been conducted de novo and following objections were outstanding.

Objections:

Definitiveness

1. In order to obtain a patent, an applicant must fully and particularly describe the invention therein claimed in a complete specification. The disclosure of the present alleged invention in a complete specification is not such that a person skilled in the art may be able to perform the invention.Hence it is require the applicant to submit models related to the invention for better illustration of the

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SECTER-55, GURUGRAM

invention as per section 10(3) of the Patents Act, 1970 (as amended). However, such models or samples shall not form part of the Specification.

Invention u/s 2(1)(j)

The applicant in reply mention that "Whereas, cited document D1, D2 & D3 don't mention the priority order based on which a patient is allocated a digital token....The present invention provides an alert facility to a patient regarding the turn to enter the healthcare facility, through vibration over the wearable band. The digital token allotment is based on QR codemechanism and all the signals are from sensors are processed through a raspberry pie controller unit...Whereas, cited document D1, D2 & D3 doesn't contain any such mechanism to eliminate chances of queue outside a healthcare center by systematically arranging the appointment of the patients.....Whereas, the cited document D4 doesn't contain any information regarding the use of QR code for smooth entry of outpatient waiting to see a doctor...Whereas, the cited document D4 doesn't contain any information regarding the use of QR code for smooth entry of outpatient waiting to see a doctor" where D1:US9974492B1 D2:US10388411B1 D3:US10560135B1 D4:CN203084808U Thre same is disclosed in D5:CN107016770A(refer abstract) D6:US20160203352A1(refer abstract and para 50 ,32) Thus, in the view of features described in D1-D6, the subject matter of Claims 1-6 is not inventive as it would be obvious to the person skilled in the art. Hence, as such does not constitute an invention u/s 2(1)(j) of The Patent Act, 1970(as amended).

Non-Patentability u/s 3

Subject matter of claims 1-6 falls within scope of clause (k) of section (3) of the Patents Act, 1970 (as amended) because it relates to computer program per se. Therefore invention claimed in these claims is not patentable.

Other Requirement(s)

1."The applicant is required to notify the controller at the earliest (3 days prior to hearing date) whether or not he will attend the hearing (Sub-rule 4 of Rule 28 of the Patents Rules and rule 129-A). If an authorized person with substitute PA is attending the hearing, the PA must be submitted before the date of hearing."

2. In case the applicant decides to amend the claims subsequent to this report, the same shall be drafted afresh to include the technical advancement over the prior art cited, in claim 1 as required u/s 2(1)(j) of the Patent's Act. Please indicate in the response communication the support for such amendments claims in the original specification, as required u/s 10(4) of the Act. Care shall be taken that requirement section 59 (1) of the Act is also met. Please provide an additional copy of marked up amendments (highlighting the amendments) where ever applicable.

Reference to co-pending/foreign application(s)

1.Filing of application in any country should be reflected in Form 3 within 6 months from corresponding date of filing.

2.Details regarding application for Patents which may be filed Months from the date of filing of the said application under clause(b) of sub section(1) outside India from time to Time for the same or

substantially the same invention should be furnished within Six of section 8 and rule 12(1) of Indian Patents Act.

Sufficiency of Disclosure u/s 10 (4)

1.In order to obtain a patent, an applicant must fully and particularly describe the invention therein claimed in a complete specification. The disclosure of the present alleged invention in a complete specification is not such that a person skilled in the art may be able to perform the invention. Hence it is requiring the applicant to submit models related to the invention for better illustration of the invention as per section 10(3) of the Patents Act, 1970 (as amended). However, such models or samples shall not form part of the Specification.

2.The invention and its operation or use and the method by which it is to be performed is not fully and particularly described in the complete specification. The complete specification should disclose the best method of performing the invention which is known to the applicant and for which he is entitled to claim protection.

Unity of Invention u/s 10 (5)

1. Multiple independent claims lack succinctness. Independent claims should be suitably linked with principal claim to make them clear, succinct and substantially definitive in accordance with the requirements of section 10(5) of The Patents Act 1970 as amended by the Patents (Amendment) Act 2005.

Hearing

A hearing letter with above mentioned objections was issued to applicant's agent on 22-03-2024 and hearing was scheduled on 09/04/2024 , and conducted on 09/04/2024 and hearing submissions were made on 01/05/2024.

Hearing Submissions

Definitiveness

With regards to the above objection, the applicant submits that the as filed description fully and particularly describes the invention and the same can be acknowledged by cross referencing the paragraph numbers 0026-0042 along with the as filed figure 2, highlighting the flow chart. Further, the claims of the present invention have been revised to replace the system claim with the method claim. The revised claims are amply supported by the as filed description and no such discrepancy exist, if still required, as was allowed in case of 2495/MUM/2008, the applicant can provide additional illustrations of any part/aspect thereof. Marked up and amended copy of claims are enclosed with the response, thus requesting the ld. Controller to kindly waive of the above objection.

INVENTION U/S 2(1)(JA)

Primarily, the controller has acknowledged the novelty of the claims. In furtherance to above, the applicant submits that claims 1-6 have been amended and the amended claims 1-4, do involve inventive step under section 2 (1) (ja) of the Patent's Act in view of cited documents D1-D6. The

characterization of the present invention over the cited documents D1-D6 are as follows: For documents D1-D4, the applicant submits the same reply as was submitted during the FER reply: Characterization over cited document D1:US9974492B1; D2:US10388411B1 and D3:US10560135B1 D1, D2 and D3 relates to devices, systems and methods for reconfigurable and/or updatable lightweight embedded devices or systems are disclosed. Via use of such a device, system, or method, various capabilities for a user are provided, simplified, secured, and/or made more convenient. The system may interact with various other devices or systems, including those that are cloud-based or communicate through the cloud, and may utilize various local sensors, in order to provide one or more of improved access, monitoring, diagnostics, and so forth. (Abstract of D1, D2 & D3) The features of the present invention that are characteristically different from subject matter claimed in D1, D2 & D3 are explained as under – The present invention belongs to an IOT based healthcare queue management system comprising multiple wearable devices paired with a server with the help of an IOT module to enter and save patient's credentials, a virtual keyboard embodied within the device to aid the patient for typing purposes, multiple sensor inbuilt into the device for monitoring health parameters such as heart rate, blood pressure, oxygen level etc. of the patient(s), wherein the obtained data is transferred and saved into the server. A GPS module paired with the device to fetch real time location of a patient which is saved in respect to the pre-stored data containing patient's credentials and health status, a raspberry pie controller linked wirelessly with the server for generating a unique QR code based digital token number on the sequence of factors such as health criticality, patient age and then by the option of first come first serve. A scanning unit housed within a health care center used to authenticate the generated QR code and provide access to the patient to enter the facility. Whereas, cited document D1, D2 & D3 don't mention the priority order based on which a patient is allocated a digital token. Cited documents D1, D2 & D3 disclosure relates to systems and methods for purchasing one or more items using a user device (also called a "device" herein), which can be a mobile cellular device, such as a cell phone, tablet, personal computer, or the like. The present invention mentions an IOT based healthcare queue management system for efficiently monitoring the location, age and health care information of a patient to allocate a digital token considering all of the patient's information so that long queues can be avoided at healthcare centers and patients with severe illness can get treatment on priority. Whereas, the cited documents D1, D2 & D3 disclose exemplary systems and methods which can be used to easily and automatically purchase items from a nearby merchant. The purchase can be made without the need for a user to order or pay at the merchant location. The present invention provides an alert facility to a patient regarding the turn to enter the healthcare facility, through vibration over the wearable band. The digital token allotment is based on QR code mechanism and all the signals are from sensors are processed through a raspberry pie controller unit. The vital parameters measured for a patient are heart rate, blood pressure, oxygen level and temperature for entering the healthcare facility on priority.Whereas, cited document D1, D2 & D3 doesn't contain any such mechanism to eliminate chances of queue outside a healthcare center by systematically arranging the appointment of the patients. The present invention provides an option to the patient to cancel their appointment and reallocation of the token number to other prospective patients. The mechanism mentions that the virtual keypad may be employed with a slide to cancel option for canceling the token number allocated to the patient. Canceling the token number rearranges the token number accordingly in order to eliminate the waiting time. Whereas, cited document D1, D2 & D3 doesn't contain any such mechanism to cancel allocation of a digital token and re-allocate the same to next deserving patients waitng to enter the healthcare facility. Therefore, constructional as well as technical features of the

present invention are different from features of the system proposed in cited document D1, D2 & D3. Characterization over cited document D4: CN203084808U D4 discloses an utility model for outpatient waiting queue management system which comprises a server, a databank, a doctor working station terminal, a queue number caller and a waiting information display device, wherein the databank, the doctor working station terminal and the waiting information display device are all connected with the server; the queue number caller is installed at the doctor working station terminal and is connected with the waiting information display device; the server comprises a waiting management module, a further consultation management module and a time prediction module for estimating the time that a next patient waits for visiting a doctor. As the time prediction module is arranged in the server, the patient can conveniently and rapidly master the time for waiting for the doctor; and moreover as a special patient management is provided, the old, the weak, the patient and the disabled patients or emergency patients have the priority for treatment, so that the disease is not delayed; and in addition, due to the arrangement of a transfer consultation module, the patients can be reasonably and orderly allocated to different departments. By utilizing the outpatient waiting queue management system, the resource waste in hospitals is avoided, the change requirements of patients are met, and the image and the service quality of hospitals are improved. (Abstract of D4) The characteristic features of the present invention that are different from features of the cited document D4 are explained as under – The present invention discloses an IOT based healthcare queue management system comprising wearable devices worn by a patient connected to a server through an IOT module. The wearable unit uses multiple sensors for monitoring various health parameters and sends the data to the server, GPS module used to determine real time location, the controller connected with the server allocate digital token for hassle free entry into the appropriate healthcare facility to avoid long queues of patients. The present invention focuses on facilitating entry of needy patients based on their illness, age and finally on the basis of firstcome first-serve. Whereas cited document D4 discloses a utility model for outpatient services waiting to see the doctor, the time prediction module is set in the server, the time prediction module is connected with the prescription on individual diagnosis display device that is arranged at the hall of waiting to see the doctor which indicates that no preference is provided to terminally ill patients based on criticality or age. In cited document D4 it mentioned that the patient conveniently recognizes the time of own required wait, thereby reasonable distribution oneself time that being provided with of module can be rational and orderly carries out section office to the patient and distributes. The present invention discloses a QR code based digital token facility for patients that allows entry of patients in to the healthcare facility without any queue and patients who are already ill need not suffer any further waiting for treatment. Whereas, the cited document D4 doesn't contain any information regarding the use of QR code for smooth entry of outpatient waiting to see a doctor. Cited document D4 used a mechanism for calling out the numbers comprising a system provided with an enquiry module. The device of calling out the numbers install with doctor's station terminal on and link to each other with diagnosis information display device with server, the doctor calls out next patient by the assignment key that click the numbers on the module, this patient's registration form sequence number is shown in the diagnosis information display device for the convenience of the patient. The present invention mentions that in case there are two or more patients at the center, then the controller decides the priority on the basis of the medical status of the respective patient. The patient who requires faster treatment is given the token number earlier to the other patient. The priority of patients on the basis of health is determined with the help of pre-saved data into the center. Whereas no such facility is provided as

per cited document D4 to prioritize entry of patients completely based on the prevailing medical urgency. So that no patient should be traumatized due to the presence of a large number of patients at a common healthcare facility. The present invention mentions that a virtual keypad is provided with the wearable device for a patient to book or cancel entry in to a healthcare center from a remote location. The virtual keyboard embodied within the device to aid the patient for typing purposes. The wearable device is operated with the help of a touch screen integrated with the virtual keyboard. This keyboard is used by the patient(s) to enter their personal data such as name, address, mobile number etc. The wearable device is connected with the internet in such a manner that all the data that is entered into the device directly gets stored into a server. The virtual keypad is also employed with a slide to cancel option for canceling the token number allocated to the patient. Canceling the token number rearranges the token number accordingly in order to eliminate the waiting time. Whereas no such mechanism is found in cited document D4 to book or cancel an appointment from a remote location. This facility actually helps a patient to enter individual information in real time. Thus, inventive features of the present invention are different from features of cited document D4. Now, referring to the newly cited documents D5 & D6: Characterization over cited document D5 & D6: Document D5, CN107016770A states that "The user can "print" the QR code displayed on the kiosk. In addition, the user may scan the QR code displayed on the kiosk device or the QR code printed on the printer via the user device." From the above statement, it shall be very clear that the document D5 allocates printed QR codes and not digital tokens, hence, keeping the entire document D5 into consideration, it would not be possible to alter/change the token number in real time based on the criticality or age of the patients. Even if priority based allocation was known, the document D5 does not disclose about any mechanism for real time change of the token number based on the criticality of the patient. As none of the features i.e., real time detection of patient's health and use of digital tokens are disclosed in the document. Due to this limitation, the patients with more critical situations will be left unattended. Whereas, in the present invention, "QR code based digital tokens are allocated", in case there are two or more patients at the center, then the controller decides the priority on the basis of the medical status of the respective patient. The patient who requires faster treatment is given the token number earlier to the other patient. The priority of patients on the basis of health is determined with the help of pre-saved data into the center. Further, there is no means/mechanism in document D5 to real time monitor the criticality of the patients. Document D6, US20160203352A1, discloses "mobile computer is adapted to include a scan client module for scanning and communicating scan-triggered service code in-formation to a scan-triggered application server. QR code scanning is accomplished by a camera module that is associated with the smartphone or other mobile computing device. The scan-enabled client module communicates the scanned QR code information to an associated server application for collecting, processing and reporting scan data." The document D6 involves the QR code scanning unit instead of producing digital tokens, it involves a camera module that is associated with the smartphone for capturing QR codes for acquiring a particular information. However, similar to the document D5, the document D6 also does not disclose about any mechanism for real time change of the token number based on the criticality of the patient. As none of the features i.e., real time detection of patient's health and use of digital tokens are disclosed in the document. Due to this limitation, the patients with more critical situations will be left unattended. Whereas, in the present invention, "QR code based digital tokens are allocated", in case there are two or more patients at the center, then the controller decides the priority on the basis of the medical status of the respective patient. The patient who requires faster treatment is given the token number earlier

to the other patient. The priority of patients on the basis of health is determined with the help of pre-saved data into the center. Further, there is no means/mechanism in document D6 to real time monitor the criticality of the patients.

SUBMISSION FOR OBJECTION: NON-PATENTABILITY U/S 3

Section 3k pertains to what is not an invention within the meaning of the act and is read as follows: "a mathematical or business method or a computer programme per se or algorithms" Particularly, an algorithm is defined as 'a procedure for solving a mathematical problem (as of finding the greatest common divisor) in a finite number of steps that frequently involves repetition of an operation. Therefore, what is necessary for an invention to fall under ambit of 'algorithm' is that it must be solving a mathematical problem in finite number of steps and thus has no technical effect. The patent application does not attract the section 3 (k) of the Act, if they result in any 'technical contribution'. If the invention demonstrates a "technical effect" or a "technical contribution" it is patentable even though it is based on a computer program or algorithm. The term "technical effect" shall be interpreted according to judicial precedents, pari materia provisions and practices of patent offices of foreign jurisdictions. However, referring to the claims of the present invention, it can be easily apprehended that no such mathematical/business method, computer program or algorithm is claimed. Instead, the present invention involves a unique combination of hardware and data/signal flow from one module to another which is producing the desired results and this unique combination of hardware is producing a unique technical effect. 1. Technical Problem: In current technology, the access to healthcare centers is done on first come first serve basis which causes critically ill patients to wait for their turn or accumulation of long queue outside the healthcare centers. 2. Technical Solution: The present invention shows technical effects in following manner: Consider all the parameters such as first arrival, criticality and age of patient for accordingly allocating digital tokens, thereby providing treatment to each and every critical and older age patient without missing anyone; and -eliminate chances of queue outside the healthcare center by systematically arranging the appointment of the patients. Adding to the above statements, the Guidelines for Examination of Computer Related Inventions (CRIs), 2017, at page 15, Section 4.5 states "patents are granted to inventions, whether products or processes, in all fields of technology, it is important to ascertain from the nature of the claimed Computer-related invention whether it is of a technical nature involving technical advancement as compared to the existing knowledge or having economic significance or both" & "if in substance, the claim, taken as whole, does not fall in any of the excluded categories, the patent should not be denied". Thus, the Applicant submits that determination of patentability of claims should be based on the substance of claims, over form, taking the whole of the claim together. In addition to the above, the Delhi High Court's decision in for assessing patentability in the case of Telefonaktiebolaget LM Ericsson Vs Intex Technologies (India) Limited (order in CS(OS) No.1045/ 2014 dated 13th March 2015) has held "Thus, it [is] appears to me prima facie that any invention which has a technical contribution or has a technical effect and is not merely a computer program per se as alleged by the defendant and the same is patentable. Further, as per the discussion in the hearing, the applicant has revised the claims of the present invention to the satisfaction of the ld. Controller, therefore, the applicant requests the ld. Controller to kindly reconsider the above objection. In view of the aforesaid, the applicant submits

that the present invention provides a technical solution to a technical problem and thus is out of purview of section 3 (k) Indian Patents Act, 1970. Hence, withdrawal of the objection is therefore requested.

Other Requirement(s)

1.The applicant has duly complied with the requirement, hence, requesting waiver of the above objection.

2. The claims of the present invention have been suitably revised. The Marked up and amended copy of claims is enclosed with the response. The amendments have been performed by a way of correction, having support of originally filed detailed description of the invention as allowed under section 59 of the Indian Patent's Act. Further, it is hereby affirmed that no new subject matter has been added beyond the scope of the instant application and the amendments have been performed in compliance to section 57/59 of the Patent's Act.

Reference to co-pending/foreign application(s)

In view of the above objection, the applicant submits that no corresponding application has been filed outside India and hence no such particulars of foreign filing are available with the applicant However as per compliance of Section 8 and Rule 12, the applicant submits an updated copy of form 3 annexed with the response. Withdrawal of the above objection is therefore requested.

SUBMISSION FOR OBJECTION: SUFFICIENCY OF DISCLOSURE U/S 10 (4)

With regards to the above objection, the applicant submits that the as filed description fully and particularly describes the invention and the same can be acknowledged by cross referencing the paragraph numbers 0026-0042 along with the as filed figure 2, highlighting the flow chart. Further, the claims of the present invention have been revised to replace the system claim with the method claim. The revised claims are amply supported by the as filed description and no such discrepancy exist, if still required, as was allowed in case of 2495/MUM/2008, the applicant can provide additional illustrations of any part/aspect thereof. Marked up and amended copy of claims are enclosed with the response, thus requesting the ld. Controller to kindly waive of the above objection.

Unity of Invention u/s 10 (5)

In view of the above objection, the applicant submits that the claims have been amended and the amended claims, recite only one independent claim. Marked up and amended copy of claims are annexed with the response, thus, the applicant requests the ld. Controller to kindly reconsider and waive of the above objection.

Analysis

All objections were discussed in hearing. The applicant had delineated the advancement of the present invention from the cited prior arts. The present invention is an IOT based health care queue management system for continuously monitoring the location, age and health care information of the patient in order to allocate digital tokens considering all of the detected information. The features of the instant invention is not disclosed in any of the prior art documents.

Decision

Based on the above facts, submission and observations in the case, all objections have been met. Therefore I proceed with grant of patent for the instant patent application no. 202011045104 with four (4) claims given in the document filed on 01/05/2024 with nomenclature 202011045104-Written submissions and relevant documents [01-05-2024(online)].pdf.

Dated 5th June 2024

(Pratik Sharad Hendre).

Assistant Controller of Patents & Designs.

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FORM 1

[THE DESIGNS ACT, 2000]

APPLICATION FOR REGISTRATION OF DESIGNS **(See sections 5 and 44)**

(For Fee see First Schedule)	You are requested to register the accompanying in **Class No.24-** MEDICAL AND LABORATORY EQUIPMENTand **SubclassNo. 02**- MEDICAL INSTRUMENTS, INSTRUMENTS AND TOOLS FOR LABORATORY USE
[A] Insert number of class [B] Insert (in full) address and nationality [B1] Category of applicant [Please tick (✓) for the appropriate category]	in the name of B 1.Mr. Sandeep Gulia, Assistant Professor, School of Engineering and Technology, Sushant University, Golf Course Road, Sector 55, Gurugram 122003, India 2.Dr. Pranati Rakshit , Asst.Prof., Computer Science & Engineering department,JIS COLLEGE OF ENGINEERING ,BLOCK-A, PHASE-III, KALYANI, NADIA, PIN- 741235, WEST BENGAL, INDIA. 3.Mr. Krishan Chhillar,School of Engineering and Technology,Sushant University,Golf Course Road, Sector 55, Gurugram-122003, India 4.Jubilie S V, Assistant Professor of Commerce,Sree Narayana College, Sivagiri, Varkala,Trivandrum,Kerala 5.Goutam Datta,School of Computer Science, University of Petroleum and Energy Studies, Dehradun 248007, India. 6.Dr Parmod Kumar, Associate Professor, School of Energy and Electromechanical Engineering, Hunan University of Humanities, Science and Technology, Loudi City, Hunan, China - 417000 7.Dr. Suraya Mubeen,Associate Professor,CMR Technical Campus, Kandalkoya Village, Hyderabad, Telangana, Pin - 501401 8.Dr ALOK SRIVASTAVA,House Number P4/18, 1st Floor, BPTP Elite Floors, Sec 75 Faridabad, Haryana,MVN Universtiy Palwal, Haryana, Pin - 121105 9.Rehan Husain,Research Scholar,JRF ,Faculty of Management studies and research ,Aligarh Muslim university ,Aligarh 202001 10. Prof.Ramesh Chandra Panda,Dean,Research & Development Cell, Synergy Institute of Engineering & Technology,Dhenkanal,Odisha-759001 11. Dr P Karthigeyan, no.3, 2nd cross, Shastri Nagar, Pondicherry-605005 who claim(s) to be the proprietor(s) thereof. **Natural Person (✓)** Start-up ( ) Small Entity ( ) Others ( ) [B1]
[C] State whether drawings, photographs, tracings or specimens.	Four exactly similar [C] drawings.of the design accompany thisrequest.
[D] Insert name of article or articles to which the design is to be applied or state trade description of each of the articles contained in the set	The design is to be applied to [D] **"OXYGEN CONCENTRATOR"**

SUSHANT UNIVERSITY * SECTOR-55, GURGAON *

Dean
School Of Engg. & Technology
Sushant University
Sector 55, Gurugram

51

INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

सत्यमेव जयते

ORIGINAL
क्रम सं/ Serial No. : 144612

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

डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No. : 391373-001

तारीख / Date : 28/07/2023

पारस्परिकता तारीख / Reciprocity Date* :

देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो *ARTIFICIAL INTELLIGENCE BASED MENTAL HEALTH DIAGNOSTIC DEVICE* से संबंधित है, का पंजीकरण, श्रेणी 14-02 में 1.Meenakshi Gupta 2. Rinky Ahuja 3.Dr. Sanjeev Gour 4.Dr. V. Subedha 5.Dr. Karuna Pandit के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 14-02 in respect of the application of such design to *ARTIFICIAL INTELLIGENCE BASED MENTAL HEALTH DIAGNOSTIC DEVICE* in the name of 1.Meenakshi Gupta 2. Rinky Ahuja 3.Dr. Sanjeev Gour 4.Dr. V. Subedha 5.Dr. Karuna Pandit.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्यधीन प्रावधानों के अनुसरण में।
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

Dean
School Of Engg. & Technology
Sushant University
Sector-55, Gurugram

SUSHANT UNIVERSITY
SECTOR-55, GURGAON

जारी करने की तिथि :
Date of Issue : 26/09/2023

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

*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.

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GOVERNMENT OF INDIA

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

Design Application Details

Application Number:

370643-001

Cbr Number:

205848

Cbr Date:

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Applicant Name:

1. Dr. Deevanshu Shrivastava **2. Dr. Aarushi Kataria** **3. Ms. Anuradha**
4. Nisha Nandal **5. Gauraangi Praakash** **6. Dr. Sumin Prakash**
7. Dr. Namita Singh **8. Dr. Naveen Nandal** **9. Dr. Neelam Rani**

Design Application Status

Application Status:

Design Accepted and Published, Journal No is 51/2022 and Journal Date is 23/12/2022

Back (/DesignApplicationStatus/)

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

(59)

INTELLECTUAL PROPERTY INDIA

सत्यमेव जयते

ORIGINAL
क्रम सं/ Serial No. : 143329

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

डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No.	:	386727-001
तारीख / Date	:	22/05/2023
पारस्परिकता तारीख / Reciprocity Date*	:	
देश / Country	:	

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो *CARBON EMISSION CONTROLLER CHAMBER* से संबंधित है, का पंजीकरण, श्रेणी 23-04 में 1.Dr. Harshvardhan P. Ghongade 2. Dr. Akhilesh Kumar Mishra 3.Dr. Anjali Ashokrao Bhadre 4.Akash Malik 5.Arun Kumar 6.Mr. Mohit Gupta 7.Varsha Khetrapal Kumar 8.Mandeep Kaur के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 23-04 in respect of the application of such design to *CARBON EMISSION CONTROLLER CHAMBER* in the name of 1.Dr. Harshvardhan P. Ghongade 2. Dr. Akhilesh Kumar Mishra 3.Dr. Anjali Ashokrao Bhadre 4.Akash Malik 5.Arun Kumar 6.Mr. Mohit Gupta 7.Varsha Khetrapal Kumar 8.Mandeep Kaur.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्यधीन प्रावधानों के अनुसरण में।
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि
Date of Issue : 04/09/2023

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

*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

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सत्यमेव जयते

ORIGINAL
क्रम सं/ Serial No. : 157850

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

डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No. : 381220-001

तारीख / Date : 10/03/2023

पारस्परिकता तारीख / Reciprocity Date* :

देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो *COG THREADED DRIVER OF COASTER BRAKE HUB FOR BICYCLE* से संबंधित है, का पंजीकरण, श्रेणी 12-11 में 1.Dr. Poonam Tanwar 2. Dr. Rosy Madaan 3.Ms. Bindu Thakral 4.Ms. Diana Jeba Jingle 5.Mr. Daniel Francis Selvaraj. J 6.Mr. Yogesh Kumar के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 12-11 in respect of the application of such design to *COG THREADED DRIVER OF COASTER BRAKE HUB FOR BICYCLE* in the name of 1.Dr. Poonam Tanwar 2. Dr. Rosy Madaan 3.Ms. Bindu Thakral 4.Ms. Diana Jeba Jingle 5.Mr. Daniel Francis Selvaraj. J 6.Mr. Yogesh Kumar.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्यधीन प्रावधानों के अनुसरण में।
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

SUSHANT UNIVERSITY SECTOR 55, GURUGRAM

जारी करने की तिथि :
Date of Issue : 21/02/2024

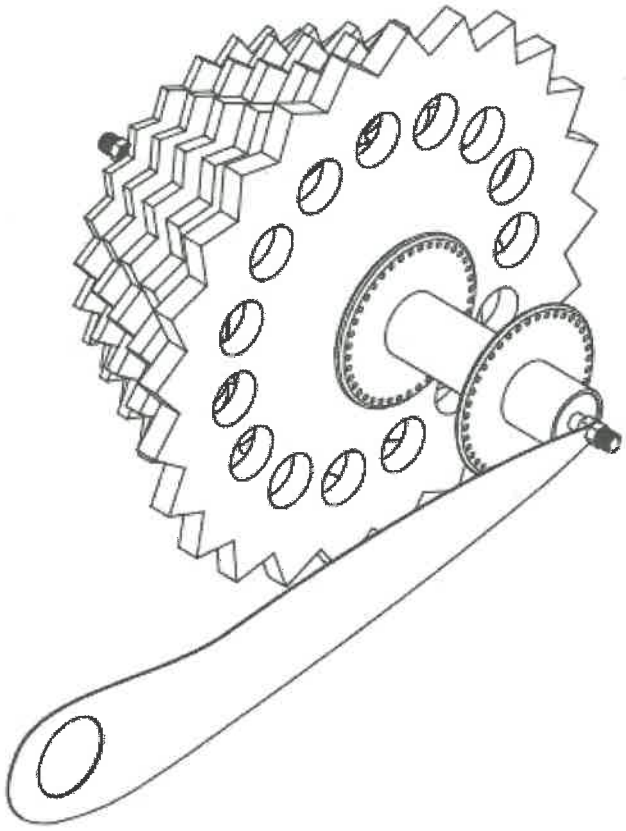
उन्नत पी पांडेय
महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न
Controller General of Patents, Designs and Trade Marks

*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

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

Application Details

Design Application Details



Publication Image

Design Number:	381220-001
Filing Date:	10/03/2023 17:27:22
Article Name:	COG THREADED DRIVER OF COASTER BRAKE HUB FOR BICYCLE
Class:	12-11-CYCLES AND MOTORCYCLES
Journal Number:	08/2024
Journal Date:	23/02/2024 00:00:00

Applicant Detail

Dean
School Of Engg. & Technology
Sushant University
Sector 55, Gurugram

Design Number:	381220-001
Filing Date:	10/03/2023 17:27:22
Article Name:	COG THREADED DRIVER OF COASTER BRAKE HUB FOR BICYCLE
Class:	12-11-CYCLES AND MOTORCYCLES
Journal Number:	08/2024
Journal Date:	23/02/2024 00:00:00

Applicant Detail

Sl. No.	APPLICANT NAME	APPLICANT ADDRESS
1	Dr. Poonam Tanwar	Professor, Department of CSE, Manav Rachna International Institute of Research & Studies, Sector- 43, Aravali Hills, Delhi-Surajkund Road, Faridabad- 121004, Haryana, India.
2	Dr. Rosy Madaan	Associate Professor, Department of CSE, Manav Rachna International Institute of Research & Studies, Sector- 43, Aravali Hills, Delhi-Surajkund Road, Faridabad- 121004, Haryana, India.
3	Ms. Bindu Thakral	Assistant Professor, School of Engineering and Technology, Sushant University, Gurgaon, Haryana, 122003, India.
4	Ms. Diana Jeba Jingle	Associate Professor, Department of CSE, Christ University, Hosur Main Road, Bhavani Nagar, S.G. Palya, Bengaluru, Karnataka, 560029, India.
5	Mr. Daniel Francis Selvaraj. J	Assistant Professor, Department of CTDS, INurture Education Solutions Pvt. Ltd., Srinivas University, Mangalore, Karnataka, 574146, India.
6	Mr. Yogesh Kumar	Assistant Professor, Department of CTDS, INurture Education Solutions Pvt. Ltd., Bangalore, Karnataka-560052, India.

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SUSHANT UNIVERSITY
SECTOR-55, GURUGRAM

3.4.2 **Number of Patents awarded during the last five years (15)**

3.4.2.1: Total number of Patents awarded year-wise during the last five years

Sushant University

Sl. No.	Name of the Faculty/student author of the patent	Patent Number	Date of Award	Patent Awarding Agency
1	Dr Jyoti Sinha & Dr Vinod	202211060562	28-10-2022	Controller General of Patents, Designs and Trademarks
2	Dr Jyoti Sinha & Dr Vinod	202211063581	18-11-2022	Controller General of Patents, Designs and Trademarks
3	Dr Jyoti Sinha & Dr Vinod	20 2022 104 803	12-09-2022	Bundesrepublik Duetchland
4	Dr Jyoti Sinha & Dr Vinod	373325-001	11-01-2022	Controller General of Patents, Designs and Trademarks
5	Dr Vinod	202311008897	10-02-2023	Controller General of Patents, Designs and Trademarks
6	Dr Jyoti Sinha & Dr Vinod	202311003137	20-01-2023	Controller General of Patents, Designs and Trademarks
7	Mr. Ashish & Ms. Nikita Savita	202311018813	12-05-2023	Controller General of Patents, Designs and Trademarks
8	Ms. Chandana Paul, Ms. Anshu Rawal, Ms. Anjali Khurana & Dr. Saurav Chhabra	202111001331 A	12-02-2021	IPR
9	Dr. Garima Parkash	202141048690 A	05-11-2021	IPR
10	Dr. Garima Parkash & Dr. Saurav Chhabra	202141054994 A	10-12-2021	IPR
11	Dr. Garima Parkash & Dr. Saurav Chhabra	202141056091 A	10-12-2021	IPR
12	Dr. Saurav Chhabra	202211049594	02-09-2022	IPR
13	Dr. Saurav Chhabra	202211047275	02-09-2022	IPR
14	Dr. Saurav Chhabra	202211052881	23-09-2022	IPR
15	Dr. Saurav Chhabra	202231052882	23-09-2022	IPR

SUSHANT UNIVERSITY SECTOR-55, GURUGRAM

3.4.2 **Number of Patents awarded during the last five years (15)**

3.4.2.1: Total number of Patents awarded year-wise during the last five years

Sushant University

Sl. No.	Name of the Faculty/student author of the patent	Patent Number	Date of Award	Patent Awarding Agency
16	Ms. Chandana paul, Ms. Anshu Rawal, Ms. Anjali Khurana, Ms. Aashiyan, Mr. Saif Anjum & Mr. Deepak Thakur	202211002545 A	11-02-2022	IPR
17	Dr. Garima Prakash & Dr. Saurav Chhabra	6295890	20-07-2023	IPO ,UK
18	Dr. Saurav Chhabra	202311003025	20-01-2023	IPR
19	Dr. Saurav Chhabra & Ms. Chandana paul	6292553	25-08-2023	IPO , UK
20	Mr. Saif anjum & Ms. Aashiyan	202311060736	13-10-2023	IPR
21	Neha Gupta	530732	28-03-2024	National
22	Dr. Sachin Datt Dr. Isha Saini & Dr. Sudipto Sarkar	202211039717	22-07-2022	Controller general of patents
23	Dr. Neha Gupta	201911017321 A	24-05-2019	National
24	Dr. Arti Vaish	201911052742 A	27-12-2019	National
25	Dr. Arti Vaish	201911053846 A	27-12-2019	National
26	Dr. Neha Gupta & Dr. Latika Singh	202011020323 A	26-06-2020	National
27	Dr. Latika Singh & Mr. Phani Krishna Athreya	202041020419A	05-06-2020	National
28	Dr. Arti Vaish	202011003162 A	07-02-2020	National
29	Dr. Arti Vaish	202011007560 A	06-03-2020	National

SUSHANT UNIVERSITY SECTOR-55, GURUGRAM

3.4.2 **Number of Patents awarded during the last five years (15)**

Sushant University

3.4.2.1: Total number of Patents awarded year-wise during the last five years

Sl. No.	Name of the Faculty/student author of the patent	Patent Number	Date of Award	Patent Awarding Agency
30	Dr.. Arti Vaish	202041020290 A	14-05-2020	National
31	Dr. Arti Vaish, Mr. Antim Dev Mishra & Ms. Zeeshan Akhtar	202011009013 A	20-03-2020	National
32	Dr. Arti Vaish	202011009012 A	20-03-2020	National
33	Dr. Arti Vaish & Mr. Antim Dev Mishra	202011024218 A	26-06-2020	National
34	Dr. Arti Vaish	202011033274 A	04-09-2020	National
35	Dr. Arti Vaish	202011030786 A	28-08-2020	National
36	Dr. Neha Gupta	202011031256	28-08-2020	National
37	Dr. Garima Bakshi	14532/2020-CO/L		National
38	Dr. Garima Bakshi	540863	06-11-2020	National
39	Dr. Latika Singh, Dr. Neha Gupta & Ms. Surbhi Dewan	202011043075A	23-10-2020	National
40	Dr. Garima Bakshi	202011051563A	04-12-2020	National
41	Dr. Arti Vaish	202011044430	06-11-2020	National
42	Dr. Arti Vaish & Mr. Antim Dev Mishra	202011044582	23-10-2020	National
43	Dr. Neha Gupta	202111047869	29-10-2021	National
44	Dr. Bindu Thakral	202221021099	22-04-2022	National

3.4.2 **Number of Patents awarded during the last five years (15)**

3.4.2.1: Total number of Patents awarded year-wise during the last five years

Sushant University

Sl. No.	Name of the Faculty/student author of the patent	Patent Number	Date of Award	Patent Awarding Agency
45	Mr. Sandeep Gulia & Mr. Krishan Kumar	346278-001	13-05-2022	National
46	Mr. Antim Dev Mishra, Mr. Meet Ahluwalia & Mr. Taral Shah	202211026325	13-05-2022	National
47	Dr.Arti vaish	202211026759 A	13-05-2022	National
48	Mr. Antim Dev Mishra & Dr. Chhavi Sighla	202211033563	01-07-2022	National
49	Mr.Antim Dev Mishra & Mr.Taral Shah	202211042331	05-08-2022	National
50	Ms. Meenakshi Gupta	202241064841 A	18-11-2022	National
51	Dr. Neha Gupta	202311004108	27-01-2023	National
52	Mr.Antim Dev Mishra & Mr.Taral Shah	202311009021	03-03-2023	National
53	Ms.Meenakshi Gupta & Dr. Rinky ahuja	391373-001	26-09-2023	National
54	Dr. Suman Dhaiya	202211052851	07-10-2022	IPR
55	Dr. Suman Dhaiya	202241060220	04-11-2022	IPR
56	Dr. Suman Dhaiya	202211067245	09-12-2022	IPR
57	Dr. Suman Dhaiya	202341008062	17-02-2023	IPR
58	Dr. Kanika Sachdeva	202111041866	01-10-2021	IPR
59	Dr. Naveen Nandal	202241001578	04-02-2022	IPR

SUSHANT UNIVERSITY SECTER-55, GURUGRAM

3.4.2 **Number of Patents awarded during the last five years (15)**

Sushant University

3.4.2.1: Total number of Patents awarded year-wise during the last five years

Sl. No.	Name of the Faculty/student author of the patent	Patent Number	Date of Award	Patent Awarding Agency
60	Dr. Naveen Nandal	370643-001	09-12-2022	IPR
61	Ms.Varsha Khetrapal Kumar	386727-001	22-05-2023	Controller General of Patents, Designs and Trademarks
62	Dr Bindu	381220-001	23-02-2024	Controller General of Patents, Designs and Trademarks
63	Ms. Varsha Khetrapal Kumar	202431000104	19-01-2024	Controller General of Patents, Designs and Trademarks

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Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India

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PATENTS | DESIGNS | TRADE MARKS | GEOGRAPHICAL INDICATIONS

Application Details

APPLICATION NUMBER	202211060562
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	22/10/2022
APPLICANT NAME	1 . Dr. Vinod Kumar 2 . Prof. Jyoti Sinha 3 . Ms. Dolly Rani 4 . Mr. Ankur Gupta 5 . Mr. Vikas Saini
TITLE OF INVENTION	PORTABLE WATER PURIFICATION SYSTEM
FIELD OF INVENTION	COMMUNICATION
E-MAIL (As Per Record)	info@lexgin.com
ADDITIONAL-EMAIL (As Per Record)	chandra.amrish@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	28/10/2022

Application Status

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

INTELLECTUAL PROPERTY INDIA

Application Details

APPLICATION NUMBER	202211063581
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	08/11/2022
APPLICANT NAME	1 . Mr. Phani Krishna Athreya Agnihotram 2 . Dr. Vinod Kumar 3 . Prof. Jyoti Sinha 4 . Dr. Kamal Pant 5 . Dr. Pankaj Gupta 6 . Mr. Sujit Kumar
TITLE OF INVENTION	A SYSTEM USING BOT FOR SIMULATED PATIENT RESPONSES TO TRAIN SUBJECTIVE REFRACTION PROCEDURE
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	info@lexgin.com
ADDITIONAL-EMAIL (As Per Record)	chnadra.amrish@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	18/11/2022

Application Status

Bundesrepublik Deutschland

Urkunde

über die Eintragung des Gebrauchsmusters Nr. 20 2022 104 803

Bezeichnung:

Formulierung und Bewertung eines Kräutergels aus Withania Somnifera-Extrakt

IPC:

A61K 36/81

Inhaber/Inhaberin:

Gautam, Archana, New Delhi, IN
Kaur, Kuljinder, Dr., Sonipat, Haryana, IN
Kaur, Rajwinder, M.SC., Malerkotla, Punjab, IN
Kumar, Vinod, Dr., New Delhi, IN
Meena, Prem Lata, Dr., New Delhi, IN
Mundhada, Dharmendra Ramgopalji, Dr., Wardha, Maharashtra, IN
Rawat, Amit Kumar, Dr., New Delhi, IN
Singh, Surinder, Dr., Jalandhar, Punjab, IN
Singh, Vijaykaran, Malderkotla, Punjab, IN
Sinha, Jyoti, Dr., Gurgaon, Haryana, IN
Yadav, Anil, Dr., Sonipat, Haryana, IN

Tag der Anmeldung:

25.08.2022

Tag der Eintragung:

12.09.2022

Die Präsidentin des Deutschen Patent- und Markenamts

Cornelia Rudloff-Schäffer

München, 12.09.2022

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GOVERNMENT OF INDIA

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

Design Application Details

Application Number:

373325-001

Cbr Number:

207838

Cbr Date:

01/11/2022 11:06:00

Applicant Name:

1. Dr Vinod Kumar 2. Dr. Jyoti Sinha 3. Dolly Rani 4. Dr. Chandra Mohan 5. Dr. Megha Jha
6. Dr. Kavita Chahal

Design Application Status

Application Status:

Application Under Process(wating for Technical Examination)

Back (/DesignApplicationStatus/)

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

Welcome Harish Sharma Sign out

Controller General of Patents, Designs & Trade Marks

सत्यमेव जयते

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

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Docket No 16937

Date/Time 2023/02/10 18:07:00

To
Harish Sharma

Userid: inpa3649

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

CBR Detail:

Sr. No.	Ref. No./ Application No.	App. No./Dy.	Amount Paid	CBR No.	Form Name	Remarks
1	202311008897	TEMP/E-1/10656/2023-DEL	1600	6384	FORM 1	AN AIR PURIFYING CURTAIN ASSEMBLY AND WORKING METHOD THEREOF
2	202311008898	TEMP/E-1/10661/2023-DEL	1600	6384	FORM 1	AN ASYMMETRIC SUPERCAPACITOR DEVICE BY NICKEL SITES ENCAPSULATED IN MULTILAYERED NANOTUBE AND METHOD

Account Debited	Payment Mode	Challan Identification Number	Amount Paid	Bank CIN No.
N-0001097997	Online Bank Transfer	1002230028484	3200.00	1475001020000001

Total Amount : ₹ 3200.00
Amount in Words: Rupees Three Thousand Two Hundred Only

Received from Harish Sharma the sum of ₹ 3200.00 on account of Payment of fee for above mentioned Application/Forms.
* This is a computer generated receipt, hecnce no signature required.

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Government of India

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

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

Application Details

APPLICATION NUMBER	202311003137
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	16/01/2023
APPLICANT NAME	1 . Dr. Vinod Kumar 2 . Prof. Jyoti Sinha , 3 . Dr. Ravi Kant 4 . Dr. Pankaj Gupta 5 . Dr. Md Jahangir Alam 6 . Ms. Dolly Rani
TITLE OF INVENTION	AN IOT- BASED SYSTEM FOR CHECKING QUALITY OF FOOD AND VEGETABLES
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	info@lexgin.com
ADDITIONAL-EMAIL (As Per Record)	chandra.amrish@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	20/01/2023

Application Status

APPLICATION STATUS

Awaiting Request for Examination

View Documents

Filed → Published → RQ Filed → Under Examination → Disposed

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/03/2023

(21) Application No.202311018813 A
(43) Publication Date : 12/05/2023

(54) Title of the invention : PHARMACEUTICAL FORMULATION OF FAMOTIDINE AND ITS USE

(51) International classification :A61K 092000, A61K 311920, A61K 314260, A61P 010400, C07D 774800
(86) International Application No :PCT/
Filing Date :01/01/1900
(87) International Publication No: NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
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2)Sreenivasakrishna Oruganti
3)Dr. Rohit Kumar
4)Nikita Savita
5)Prasad Gorakshanath Ghugarkar
6)Gollammagari Nethravani
7)Ashish Sharma
8)Nemalapalli Yamini
9)Sachin Kumar
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
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Address of Applicant :NIMS UNIVERSITY RAJASTHAN JAIPUR .....
2)Sreenivasakrishna Oruganti
Address of Applicant :Assistant Professor, Oil Technological and Pharmaceutical Research institute, Jawaharlal Nehru Technological University Anantapur .....
3)Dr. Rohit Kumar
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(57) Abstract :
PHARMACEUTICAL FORMULATION OF FAMOTIDINE AND ITS USE: The invention relates to a pharmaceutical formulation containing famotidine or a famotidine-related compound, or a pharmacologically acceptable salt thereof, as active ingredient, in which the formulation exhibits a controlled in vitro release of the active ingredient in phosphate buffer at pH 6.8 of not less than about 80% after 24 hours, and after oral administration to a patient is capable of maintaining a substantially constant serum level of the active moiety or moieties for 24 hours. The invention also relates to the use of the pharmaceutical formulation for the treatment of gastroesophageal reflux disease (acid reflux), peptic ulcer disease and heartburn.

No. of Pages : 9 No. of Claims : 4

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Application Details

APPLICATION NUMBER	202311018813
APPLICATION TYPE	ORDINARY APPLICATION
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FIELD OF INVENTION	CHEMICAL
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SUSHANT UNIVERSITY
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Application Status

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(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/01/2021

(21) Application No.202111001331 A
(43) Publication Date : 12/02/2021

(54) Title of the invention : FRANGIPANI UPHOLSTERY FRESHENER

(51) International classification	:A61K0036240000, C11D0003000000, A61K0008370000, A61L0009040000, A47L0011340000
(31) Priority Document No	:NA
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(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
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(57) Abstract :
An upholstery freshener composition for visibly dispensing onto a fabric comprising: Frangipani (Plumeria alba) flowers extract and alcohol wherein said fragrance is compatible with said carpets, upholstery, drapes, and other fabric or similar surfaces. Further, the invention relates to compositions for freshening or deodorizing carpets, upholstery, drapes, and other fabric or similar surfaces and to a method utilizing such compositions. More particularly, this invention relates to compositions which are adapted for dispensing from value dispensers, in the form of fine droplets, for easily and visibly applying to fabrics, including carpeting, drapes and upholstery, a freshening or deodorizing active ingredient, and which after application, is quick drying to the touch. A upholstery freshener compositions and methods for using are also disclosed.

No. of Pages : 15 No. of Claims : 6

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Application Details

APPLICATION NUMBER	202111001331
APPLICATION TYPE	ORDINARY APPLICATION
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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/10/2021

(21) Application No.202141048690 A

(43) Publication Date : 05/11/2021

(54) Title of the invention : FALLING CAT INSPIRED INTELLIGENT QUADRUPEDAL ROBOT TO ASSIST PEOPLE DURING RISKY MOUNTAIN TREKKING

(51) International classification	:G06N0003040000, B25J0009160000, B62D0057032000, B66B0005280000, B62H0001100000
(86) International Application No	:NA
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(57) Abstract

A falling cat always goes from feet-up position to feet-down position, in a falling reference frame without violating the conservation of angular momentum. The first thing a cat does while falling is figuring out which way is up. This is capable using the gyro in the cats ears. Research shows that the safe landing of a falling cat is due to a phenomenon called cat riding reflex. Once a cat falls, it divides its body into two separate rotational axes that are tilted from one another. During falling the front part is released with decreased moment of inertia so that it can spin faster. At the back the moment of inertia is increased, so that a large twist in the front part is equivalent to the smaller twist in the latter. Cat extends its legs to increase the moment of inertia and extends its back legs along the rear axis, which allows fast twisting and finally extends all four legs while landing. Similar type of movement could be performed by a quadrupedal robot so that they can save people when they are about to fall down during risky mounting trekking. For the robot to mimic the falling cat mechanism it is to be trained for trajectory optimization. A neural network is trained to imitate the trajectory optimizer using supervised learning. The convolution neural network takes the orientation of robot as input and gives a stability based output to land the robot on its feet.

No. of Pages : 15 No. of Claims : 1

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Application Details

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(21) Application No.202141054994 A

(19) INDIA

(22) Date of filing of Application :27/11/2021

(43) Publication Date : 10/12/2021

(54) Title of the invention : HYBRID HUMAN-MACHINE LEARNING METHOD TO PROVIDE REAL-TIME PERSONALIZED HOSPITALITY SELF-SERVICE CHECK-IN SYSTEM FOR HOTEL GUESTS

(51) International classification	G06Q0050120000, G07C0009000000, G06Q0010020000, H04L0012460000, G07C0009280000
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(57) Abstract :
Hotel industry has witnessed a steep rise in the adoption of information and communication technology. Since there is a huge amount of data involved in a hotel check-in/check-out system, proper digitization of the data followed by applying appropriate artificial intelligence and machine learning techniques could help the hotel management in better record-keeping and improve the guest relationship. With an increase in number of hotel guests due to holiday making and business trips, an automated self check-in/check-out system with digital touch panel could be employed for providing hospitality on time. The benefits of self-service check-in/check-out system for hotel guests are multifold. [illegible] of them include: eradicating queue-based check-in/check-out system, increasing the opportunity for revenue generation, avoid errors made by human help-desk people during check-in and check-out, and optimal use of hotel resources. The intelligent mobile terminals are capable of capturing the room request made by the guest through online phone, check for the availability and block the same. Intelligent digital touch panels keep track of the guest check-in/check-out and thereby updating the mobile terminal. The intelligent door locking and unlocking system helps the guests to check-in and check-out of hotel room at their times of convenience at maximal security.

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Application Details

APPLICATION NUMBER	202141054994
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TITLE OF INVENTION	HYBRID HUMAN-MACHINE LEARNING METHOD TO PROVIDE REAL-TIME PERSONALIZED HOSPITALITY SELF-SERVICE CHECK-IN SYSTEM FOR HOTEL GUESTS
FIELD OF INVENTION	COMPUTER SCIENCE
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(21) Application No.202141056091 A

(43) Publication Date : 10/12/2021

(54) Title of the invention : SENSOR BASED INTELLIGENT ROBOTIC COOKING KITCHEN USING HAPTIC TECHNOLOGY

(51) International classification : G06N0003040000, G06N0020000000, B25J0009160000, A47J0027000000, B25J0009000000

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(57) Abstract

Kitchen Technology has advanced considerably in the recent few years. Disclosed is the system of a robot capable of cooking dishes in kitchen. The complex movements of expert chefs are recorded. Using supervised machine learning techniques, the robots humanoid movements for preparing a particular dish is learnt. Using multiple instance inputs of expert chefs hand movements, picking the measuring up, starter are learnt using artificial intelligence. Pattern Recognition techniques captures the accurate movements of the record and trains the robot accordingly. The clear tune-index commands are the forms of input to achieve certain functionalities in cooking. The accuracy of the performance of the cooking robot is calibrated using convolutional neural networks. A plurality storage container is enabled within the robotic arm so as to refill the container with necessary materials for cooking such as salt, oil and water that are frequently used during the cooking procedure. Sensor assembly also comprises of array of cameras for monitoring the performance of robotic arm controller in the workspace. Auto cleansing of the kitchen robot is also done by the use of sensors to detect the completion of the cooking procedure.

No. of Pages : 15 No. of Claims : 3

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TITLE OF INVENTION	SENSOR BASED INTELLIGENT ROBOTIC COOKING KITCHEN USING HAPTIC TECHNOLOGY
FIELD OF INVENTION	COMPUTER SCIENCE
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SUSHANT UNIVERSITY SECTOR-55, GURUGRAM

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INTELLECTUAL PROPERTY INDIA

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APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	30/08/2022
APPLICANT NAME	**1 . Chef Pawan Allawadi** **2 . Dr. Hafizullah Dar** **3 . Dr. Seema Kaushik** **4 . Chef Manas Sarkar** **5 . Ajay Pratap Singh** **6 . Dr. Saurav Chhabra** **7 . Ratul Adhikary** **8 . Shobhit Singh** **9 . Javaid Ahmad Bhat** **10 . Ankit Prakash** **11 . Devashish Pandey** **12 . Vikas Sharma**
TITLE OF INVENTION	DEEP LEARNING BASED METHOD FOR IDENTIFYING FOOD SENSITIVITIES AND INTOLERANCES
FIELD OF INVENTION	ELECTRICAL
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PRIORITY DATE	
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PUBLICATION DATE (U/S 11A)	02/09/2022

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Application Details

APPLICATION NUMBER	202211049594
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	30/08/2022
APPLICANT NAME	**1 . Chef Pawan Ailawadi** **2 . Dr. Hafizullah Dar** **3 . Dr. Seema Kaushik** **4 . Chef Manas Sarkar** **5 . Ajay Pratap Singh** **6 . Dr. Saurav Chhabra** **7 . Ratul Adhikary** **8 . Shobhit Singh** **9 . Javaid Ahmad Bhat** **10 . Ankit Prakash** **11 . Devashish Pandey** **12 . Vikas Sharma**
TITLE OF INVENTION	DEEP LEARNING BASED METHOD FOR IDENTIFYING FOOD SENSITIVITIES AND INTOLERANCES
FIELD OF INVENTION	ELECTRICAL
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PUBLICATION DATE (U/S 11A)	02/09/2022

Application Status

APPLICATION STATUS

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(13)

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Application Details

APPLICATION NUMBER	202211047275
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	19/08/2022
APPLICANT NAME	1 . Atanu Bhattacharya 2 . Dr. Saurav Chhabra 3 . Dr. Alok Prasad 4 . Sharad Bajpai 5 . Ajay Pratap Singh 6 . Vikas Sharma 7 . Pragya Singh 8 . Javaid Ahmad Bhat 9 . Prof. Dr. Manoj Srivastava 10 . Ratul Adhikary 11 . Abhishek Dixit 12 . Ankit Prakash
TITLE OF INVENTION	ARTIFICIAL INTELLIGENCE BASED SYSTEM, PROGRAM PRODUCTS AND METHODS OF HUMAN RESOURCES PLANNING AND DEVELOPMENT
FIELD OF INVENTION	COMPUTER SCIENCE
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Application Details

APPLICATION NUMBER	202211047275
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	19/08/2022
APPLICANT NAME	**1 . Atanu Bhattacharya** **2 . Dr. Saurav Chhabra** **3 . Dr. Alok Prasad** **4 . Sharad Bajpai** **5 . Ajay Pratap Singh** **6 . Vikas Sharma** **7 . Pragya Singh** **8 . Javaid Ahmad Bhat** **9 . Prof. Dr. Manoj Srivastava** **10 . Ratul Adhikary** **11 . Abhishek Dixit** **12 . Ankit Prakash**
TITLE OF INVENTION	ARTIFICIAL INTELLIGENCE BASED SYSTEM, PROGRAM PRODUCTS AND METHODS OF HUMAN RESOURCES PLANNING AND DEVELOPMENT
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	soni.mukesh15@gmail.com
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Application Status

APPLICATION STATUS

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INTELLECTUAL PROPERTY INDIA

Application Details

APPLICATION NUMBER	202211052881
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	16/09/2022
APPLICANT NAME	1 . Dr. Saurav Chhabra 2 . Chef Abhishek Sengupta 3 . Dr. Nafees Haider Naqvi 4 . Avik Dey 5 . Chef Pawan Ailawadi 6 , Rakesh Chauhan 7 . Dr. Alok Prasad 8 . Dr. Satyajee Srivastava 9 . Mrs. Deepa Chawla 10 . Prof Dr Manoj Srivastava 11 . Dr. Naveen Sharma 12 . Mr. Umang Bhartwal
TITLE OF INVENTION	"ARTIFICIAL INTELLIGENCE AND DEEP-LEARNING BASED TEMPERATURE-CONTROLLED STANDARDIZED COOKING SYSTEM AND METHOD THEREOF"
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	OJESWINI@GMAIL.COM
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PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	
PUBLICATION DATE (U/S 11A)	23/09/2022

Application Status

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application
:16/01/2023

(21) Application No.202311003025
A

(43) Publication Date:
20/01/2023

(54) Title of the invention: HUMAN RESOURCE ARCHITECTURE: THE RELATIONSHIPS AMONG HUMAN CAPITAL, EMPLOYMENT, AND HUMAN RESOURCE IN HOTEL INDUSTRY

(51) International classification :G06Q0010100000, G06Q0010060000, G06Q0010000000, H04W0004029000, H04L0005000000

(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

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The invention relates to the field of a human resource management system, and more specifically to a human resource architecture: the relationships among human capital, employment, and human resource in hotel industry. The human resource architecture: the relationships among human capital, employment, and human resource in hotel industry includes a database to store descriptions of human resources each of which defined by competencies, a database to store descriptions of jobs each of which is defined by competencies, a one or more processors coupled to the non-transitory storage device and operable to match between a single job and many candidates based on matching competencies, or to automatically report a ranked match between a single candidate and many jobs based on matching competencies, and a user interface to display the resulting report.

No. of Pages: 14 No. of Claims: 5

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Application Details

APPLICATION NUMBER	202211052881
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	16/09/2022
APPLICANT NAME	1 . Dr. Saurav Chhabra 2 . Chef Abhishek Sengupta 3 . Dr. Nafees Haider Naqvi 4 . Avik Dey 5 . Chef Pawan Ailawadi 6 . Rakesh Chauhan 7 . Dr. Alok Prasad 8 . Dr. Satyajee Srivastava 9 . Mrs. Deepa Chawla 10 . Prof Dr Manoj Srivastava 11 . Dr. Naveen Sharma 12 . Mr. Umang Bhartwal
TITLE OF INVENTION	"ARTIFICIAL INTELLIGENCE AND DEEP-LEARNING BASED TEMPERATURE-CONTROLLED STANDARDIZED COOKING SYSTEM AND METHOD THEREOF"
FIELD OF INVENTION	COMPUTER SCIENCE
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PRIORITY DATE	
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PUBLICATION DATE (U/S 11A)	23/09/2022

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Application Status

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(21) Application No.202231052882 A

(22) Date of filing of Application :16/09/2022

(43) Publication Date : 23/09/2022

(54) Title of the invention : ARTIFICIAL INTELLIGENCE AND INTERNET OF THINGS ENABLED HOTEL CHECK-IN AND CHECK-OUT SYSTEM WITH IMPROVED EFFICIENCY

(51) International classification :G06Q0050120000, G06Q0010020000, H04L0029080000, G06Q0030060000, H04N0021214000
(86) International Application No :PCT:/
Filing Date :01/01/1900
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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6)KULDEEP PAL
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10)Vishalni
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(57) Abstract :
ARTIFICIAL INTELLIGENCE AND INTERNET OF THINGS ENABLED HOTEL CHECK-IN AND CHECK-OUT SYSTEM WITH IMPROVED EFFICIENCY The present invention provides artificial intelligence and the internet of things enabled hotel check-in and check-out system (100) with improved efficiency. The system (100) comprises of one or more hotels, an electronic device, cloud storage, a controller, and a server. One or more hotels facilitate lodging. The electronic device receives hotel requirements from the user and displays an available hotel room to the user based on filters selected by the user comprising rent, availability, room size, location, window views, etc. The cloud storage is connected to the electronic device, a server, and a plurality of user end electronic devices that stores a predefined information of the registered hotels with a live lodging availability, rent, latest updated pictures, other facilities such as food etc. The controller integrated with a memory unit and a communication module. Figure 1

No. of Pages : 21 No. of Claims : 9

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Application Details

APPLICATION NUMBER	202231052882
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	16/09/2022
APPLICANT NAME	1 . Viveka Nand Sharma 2 . Yazuvendra Singh 3 . Dr. Nafees Haider Naqvi 4 . Amit joshi 5 . Geetika Joshi 6 . KULDEEP PAL 7 . Virendra Kumar Arya 8 . Prof Dr Manoj Srivastava 9 . Shobhit Singh 10 . Vishalni 11 . Dr. Saurav Chhabra 12 . Ankit Prakash
TITLE OF INVENTION	"ARTIFICIAL INTELLIGENCE AND INTERNET OF THINGS ENABLED HOTEL CHECK-IN AND CHECK-OUT SYSTEM WITH IMPROVED EFFICIENCY"
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	OJESWINI@GMAIL.COM
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E-MAIL (UPDATED Online)	
PRIORITY DATE	
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Application Status

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211002545 A

(19) INDIA

(22) Date of filing of Application :17/01/2022 (43) Publication Date : 11/02/2022

(54) Title of the invention : FRUIT SYRUP

(51) International classification	:B67D0001000000, B65D0085340000, A23B0007080000, C08F0265060000, A23L0019000000
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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3)MS. ANJALI KHURANA

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Application Details

APPLICATION NUMBER	202211002545
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	17/01/2022
APPLICANT NAME	**1 . MS. CHANDANA PAUL** **2 . MS. ANSHU RAWAL** **3 . MS. ANJALI KHURANA** **4 . MS. AASHIYAN** **5 . SAIF ANJUM** **6 . MR. DEEPAK THAKUR**
TITLE OF INVENTION	FRUIT SYRUP
FIELD OF INVENTION	MECHANICAL ENGINEERING
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PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
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Application Status

APPLICATION STATUS

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Intellectual Property Office

Certificate of Registration for a UK Design

Design number: 6295890

Grant date: 20 July 2023

Registration date: 12 July 2023

This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Prof. (Dr.) Mohan Prasad Sharma, Ms. Nikita Tomar, Dr. Garima Parkash, Prof. (Chef) Subhadip Majumder, Mr. Priyesh Srivastava, Mr. Yazuvendra Singh, Dr. Saurav Chhabra

in respect of the application of such design to:

Device to Identify Customer Emotional Behaviour for Hospitality Industry

International Design Classification:
Version: 14-2023
Class: 10 CLOCKS AND WATCHES AND OTHER MEASURING INSTRUMENTS, CHECKING AND SIGNALLING INSTRUMENTS
Subclass: 05 INSTRUMENTS, APPARATUS AND DEVICES FOR CHECKING, SECURITY OR TESTING

Adam Williams

THE PATENT OFFICE OFFICIAL

SUSHANT UNIVERSITY SECTOR-55, GURUGRAM

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

Intellectual Property Office is an operating name of the Patent Office

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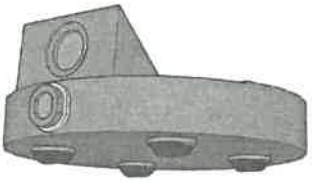
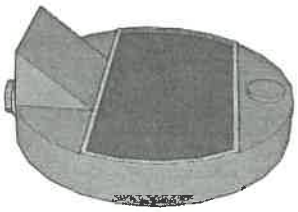
Representation of Designs





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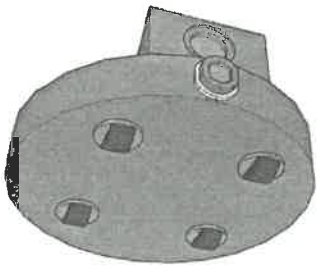

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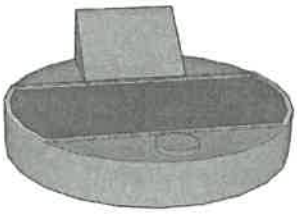

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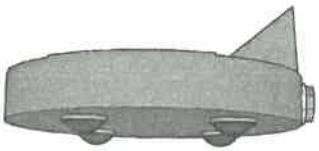

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :16/01/2023

(21) Application No.202311003025 A

(43) Publication Date : 20/01/2023

(54) Title of the invention : HUMAN RESOURCE ARCHITECTURE: THE RELATIONSHIPS AMONG HUMAN CAPITAL, EMPLOYMENT, AND HUMAN RESOURCE IN HOTEL INDUSTRY

(51) International classification :G06Q0010100000, G06Q0010060000, G06Q0010000000, H04W0004029000, H04L0005000000

(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

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Address of Applicant :Assistant Professor, Welcom group Graduate School of Hotel Administration, Manipal , Manipal Academy of Higher Education, Manipal, Karnataka, India- 576104 Manipal ---------- ----------

(57) Abstract :
The invention relates to the field of a human resource management system, and more specifically to a human resource architecture: the relationships among human capital, employment, and human resource in hotel industry. The human resource architecture: the relationships among human capital, employment, and human resource in hotel industry includes a database to store descriptions of human resources each of which defined by competencies, a database to store descriptions of jobs each of which is defined by competencies, a one or more processors coupled to the non-transitory storage device and operable to match between a single job and many candidates based on matching competencies, or to automatically report a ranked match between a single candidate and many jobs based on matching competencies, and a user interface to display the resulting report.

No. of Pages : 14 No. of Claims : 5

Saurav Chhabra
Patel Hotel & Tourism Business School
Sushant University
Sector-55, Gurugram

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

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

Application Details

APPLICATION NUMBER	202311003025
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	16/01/2023
APPLICANT NAME	**1 . Yazuvendra Singh** **2 . Dr. Saurav Chhabra** **3 . Priyesh Srivastava** **4 . Mr. Neeraj Sehgal** **5 . Dr. Swati Sharma** **6 . Dr. Aruditya Jasrotia** **7 . Dr. Suman Lata** **8 . Mr. Prithvi Roy**
TITLE OF INVENTION	"HUMAN RESOURCE ARCHITECTURE: THE RELATIONSHIPS AMONG HUMAN CAPITAL, EMPLOYMENT, AND HUMAN RESOURCE IN HOTEL INDUSTRY"
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	contact@elpisanalytix.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	20/01/2023

CHANDIGARH UNIVERSITY ★ SECTOR-55, MOHALI (PUNJAB) ★

Application Status

APPLICATION STATUS

Awaiting Request for Examination

View Documents

➡ Filed ➡ Published ➡ RQ Filed ➡ Under Examination ➡ Disposed

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

(19)

Intellectual Property Office

Certificate of Registration for a UK Design

Design number: 6292553

Grant date: 25 August 2023

Registration date: 27 June 2023

This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Viveka Nand Sharma , Atanu Bhattacharya, Saurav Chhabra, Ajay Pratap Singh,

Chandana Paul, Manoj Srivastava, Nakuleshwar Dut Jasuja, Bhavana Ray

in respect of the application of such design to:

Data Processing Equipment

International Design Classification:
Version: 14-2023
Class: 14 RECORDING, TELECOMMUNICATION OR DATA PROCESSING EQUIPMENT
Subclass: 02 DATA PROCESSING EQUIPMENT AS WELL AS PERIPHERAL APPARATUS AND DEVICES

Adam Williams

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

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THE PATENT OFFICE OFFICIAL

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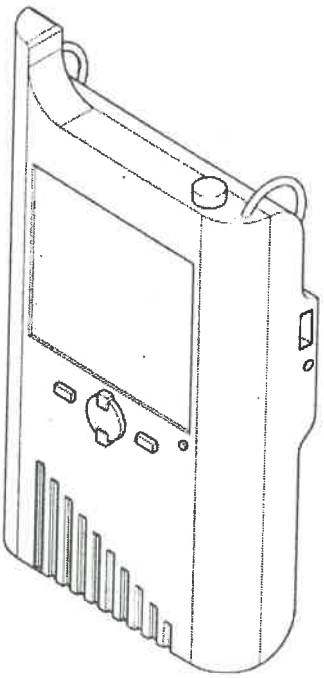

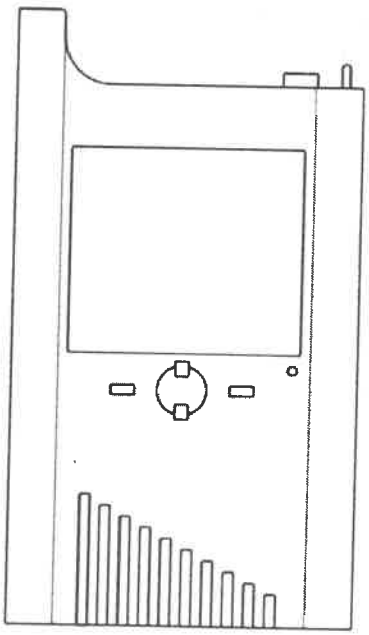

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Application Details

APPLICATION NUMBER	202311060736
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	09/09/2023
APPLICANT NAME	1 . Prof. (Chef) Subhadip Majumder 2 . Prof. (Dr.) Vikas Singh 3 . Mr. Saif Anjum 4 . Mr. Udaidip Singh Chauhan 5 . Mr. Amaresh Kumar 6 . Mrs. Aashiyan
TITLE OF INVENTION	METHOD AND APPARATUS FOR EFFICIENT FLAVOR EXTRACTION IN ALCOHOLIC BEVERAGES
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	patentpointservices@gmail.com
ADDITIONAL-EMAIL (As Per Record)	patentpointservices@gmail.com
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PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	13/10/2023

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Ministry of Commerce & Industry,
Government of India

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INTELLECTUAL PROPERTY INDIA
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Application Details

APPLICATION NUMBER	202311060736
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	09/09/2023
APPLICANT NAME	**1 . Prof. (Chef) Subhadip Majumder** **2 . Prof. (Dr.) Vikas Singh** **3 . Mr. Saif Anjum** **4 . Mr. Udaidip Singh Chauhan** **5 . Mr. Amaresh Kumar** **6 . Mrs. Aashiyan**
TITLE OF INVENTION	METHOD AND APPARATUS FOR EFFICIENT FLAVOR EXTRACTION IN ALCOHOLIC BEVERAGES
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	patentpointservices@gmail.com
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E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	13/10/2023

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Application Status

APPLICATION STATUS

Awaiting Request for Examination

View Documents

Filed → Published → RQ Filed → Under Examination → Disposed

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

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/11/2017

(21) Application No.201711040039 A
(43) Publication Date : 01/12/2017

(54) Title of the invention : A SYSTEM OF PRODUCTION OF BIODIESEL FROM RICE BRAN OIL BY TRANSERSTERIFICATION AND PROCESS OPTIMIZATION

(51) International classification :C12P7/06
(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. SUNIL KUMAR MAHLA
Address of Applicant :Department of Mechanical Engineering, I.K. Gujral Punjab Technical University Campus, Hoshiarpur, PUNJAB(INDIA) Punjab India
(72)**Name of Inventor :**
1)DR. SUNIL KUMAR MAHLA
2)KANWAR JABAR SINGH GILL
3)NEHA GUPTA
4)RAJESH DUDI
5)SOMEET SINGH
6)DR. AMIT DHIR
7)GEETESH GOGA

(57) Abstract :
The present invention is conducted to reveal the effect of compression ratio on the performance and emission characteristics of a raw biogas run dual fuel diesel engine using rice bran biodiesel as pilot fuel. The experiments were performed in a single cylinder, DI, water cooled VCR diesel engine. The CR was varied from 16 to 18 at standard FIT of 230 BTDC. At full load, the thermal efficiency under dual fuel mode is found to 19.33%, 20.7%, 22.4% respectively and for compression ratio of 16, 17 and 18, respectively as compared to 24.76% for diesel mode. As far as emission characteristics, At full load, there is a reduction of CO and HC emissions by 33% and 27% for the change of CR from 16 to 18. On an average, there is an increase of CO2 and NOx emissions by 11.43% and 52.85% when CR is changed from 16 to 18. Based on the results of this investigation, it can be concluded that the high compression ratio exhibits better results in terms of performance-emissions trade-off relationship for a biogas-rice bran methyl ester operated dual fuel diesel engine. Based on performance and emission characteristics, compression ratio of 18 can be found to be optimum on the in terms of better results without sacrificing the thermal efficiency-emissions trade-off in diesel engine under biogas-rice bran methyl ester dual fuel mode diesel engine

No. of Pages : 19 No. of Claims : 6

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

Application Details

APPLICATION NUMBER	201711040039
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	09/11/2017
APPLICANT NAME	**DR. SUNIL KUMAR MAHLA**
TITLE OF INVENTION	A PROCESS OF PRODUCTION OF BIODIESEL FROM RICE BRAN OIL BY TRANSERSTERIFICATION AND PROCESS OPTIMIZATION
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	ashish.iprindia@hotmail.com
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E-MAIL (UPDATED Online)	ashish.iprindia@hotmail.com,ashish.iprindia@hotmai
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	03/01/2022
PUBLICATION DATE (U/S 11A)	01/12/2017
FIRST EXAMINATION REPORT DATE	30/08/2022
Date Of Certificate Issue	28/03/2024
POST GRANT JOURNAL DATE	05/04/2024
REPLY TO FER DATE	27/02/2023

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Application Status

APPLICATION STATUS

Granted Application, Patent Number :530732

E-Register | Order(s)/Decision(s) | View Documents

Filed → Published → RQ Filed → Under Examination → Disposed

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

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PATENTS | DESIGNS | TRADE MARKS
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सत्यमेव जयते

क्रम सं/SL No :011206950

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

पेटेंट प्रमाण पत्र | Patent Certificate

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

पेटेंट सं. / Patent No.	:	530732
आवेदन सं. / Application No.	:	201711040039
फाइल करने की तारीख / Date of Filing	:	09/11/2017
पेटेंटी / Patentee	:	DR. SUNIL KUMAR MAHLA
आविष्कारकों का नाम /Name of Inventor(s)	:	1.DR. SUNIL KUMAR MAHLA 2.KANWAR JABAR SINGH GILL 3.NEHA GUPTA 4.RAJESH DUDI 5.SOMEET SINGH 6.DR. AMIT DHIR 7.GEETESH GOGA

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाप्रकटित *A PROCESS OF PRODUCTION OF BIODIESEL FROM RICE BRAN OIL BY TRANSERSTERIFICATION AND PROCESS OPTIMIZATION* नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख नवम्बर 2017 के नौवें दिन से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled *A PROCESS OF PRODUCTION OF BIODIESEL FROM RICE BRAN OIL BY TRANSERSTERIFICATION AND PROCESS OPTIMIZATION* as disclosed in the above mentioned application for the term of 20 years from the 9th day of November 2017 in accordance with the provisions of the Patents Act,1970.

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अनुदान की तारीख : 28/03/2024
Date of Grant :

पेटेंट नियंत्रक
Controller of Patents

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, नवम्बर 2019 के नौवें दिन को और उसके पश्चात प्रत्येक वर्ष मे उसी दिन देय होगी।

Note. - The fees for renewal of this patent, if it is to be maintained, will fall / has fallen due on 9th day of November 2019 and on the same day in every year thereafter

The Patents Act, 1970 (as amended)

Section 15

Decision

Ref. No: POM/Application No. **201711040039**
Patent Application No: **201711040039**

Date: 28/03/2024

Applicant/s: **DR. SUNIL KUMAR MAHLA,** having address of **Department of Mechanical Engineering, I.K. Gujral Punjab Technical University Campus, Hoshiarpur, PUNJAB, INDIA**

TECHNICAL DECISION

The Applicant filed this application No. **201711040039** for the grant of patent on 09/11/2017 for the invention titled "**A PROCESS OF PRODUCTION OF BIODIESEL FROM RICE BRAN OIL BYTRANSERSTERIFICATION AND PROCESS OPTIMIZATION**".

In this matter, the facts that have come to my knowledge and made available to me can be traced as follows:

Applicant has amended the original claim 1 by way of characterisation and adding features of claim 2 to 6 and from specification with Form 13 whereas Claims 2 to 6 are deleted to have currently single amended claim 1 filed with reply to hearing filed on 22/03/2024. These amended claim/s are fully considered herein.

SCIENTIFIC AND TECHNICAL DECISION

Scientific and Technical Decision by Controller are based on Scientific and Technical Analysis as the Patent Office is involved directly in scientific and technical service, human resource product link through scientific and technical information analysis by way of examination of patent applications and making scientific reports which facilitates the general public about the available state of art of the relevant technical field, disseminating information though library and information centre which is the minimum criteria of Patent documentation program on international level, providing guidelines for

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examination of patent application in the field of Biotechnology, traditional knowledge, computer related inventions and pharmaceuticals. The Department of Science and technology Govt. of India was established with the objective of promoting new areas of Science & Technology and to play the role of a nodal department for organizing, co-ordinating and promoting scientific and technical activities in the country. As per the OM dated 28.5.1986, the Patent Office has been recognized as a scientific and technical organization by the DST, which is recorded in the OM dated 6.11.1987 and the said position continues till date. Patent Examiner/ Controller has to critically examine the precise scientific and/or technological nature and scope of the invention which is subject of the patent application; thereafter search through many prior publications, critically study the scientific and technological disclosures made therein; compare the invention claimed by the application with the scientific and technological disclosures and ascertain whether the invention claimed by the applicant is "patentable". It is a known fact that an invention is often the result of research activities undertaken by an inventor. The Patent Examiner assesses, after careful study of all the material whether the invention which is result of research activities, is a patentable invention within the Patents Act. The Controller/Examiner, while assessing the patentability of the invention, also holds technical discussions/ hearing with the inventor/inventor's patent agent.

WHAT IS FACT / PARAGRAPHS OF CITED DOCUMENTS:

Based on disclosure of cited documents D1: http://pnrsolution.org/Datacenter/Vol4/Issue1/65.pdf; D2: https://doi.org/10.1080/17597269.2016.1163210, D3: https://doi.org/10.1021/ef700510a, D4: WO2015142211A1, D5: WO2007113530A2, and D6: US20120297665A1, and carrying out scientific and technical analysis of documents D1: http://pnrsolution.org/Datacenter/Vol4/Issue1/65.pdf; D2: https://doi.org/10.1080/17597269.2016.1163210, D3: https://doi.org/10.1021/ef700510a, D4: WO2015142211A1, D5: WO2007113530A2, and D6: US20120297665A1 in Combination Only, for Inventive Step is analyzed for current amended Claim 1 and Dependent Claims.

None of the cited documents as above discloses A process of production of biodiesel from rice bran methyl ester (RBME) oil by transersterification and process of optimization comprising the steps of: Carrying transesterification reaction out in a 2-litre

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three-neck glass reactor equipped with temperature indicator, reflux condenser and at yariac for temperature-controlled oil bath; performing optimization with 0.5-1.5% w/w of catalyst amount; 3:1-12:1 methanol to oil molar ratio; and 50°C -65°C reaction temperature for 30-90 mins; wherein the optimized conditions for biodiesel production are 1% wt. of catalyst (NaOH), 6:1 methanol to oil molar ratio, 60°C room temperature, and 85 minutes as duration for reaction temperature; so as to biodiesel yield of 97.4% is obtained; characterized in that after transesterification reaction, the mixture is then allowed to settle in a separating funnel for overnight so as to separate the glycerol; and after settling of glycerol, the remainder upper layer of methyl ester was washed with distilled water 3-4 times to remove catalyst and excess methanol; and it is then heated at 120°C to remove the traces of moisture; so as to rice bran methyl ester (RBME) so obtained is cooled and stored.

Further argument made by applicant for characterised technical features that " after transesterification reaction, the mixture is then allowed to settle in a separating funnel for overnight so as to separate the glycerol; and after settling of glycerol, the remainder upper layer of methyl ester was washed with distilled water 3-4 times to remove catalyst and excess methanol; and it is then heated at 120°C to remove the traces of moisture; so as to rice bran methyl ester (RBME) so obtained is cooled and stored" have not been taught or disclose in cited documents herein.

Hence, Invention claimed in Patent Application No. **201711040039** is Novel as well as Inventive.

CONCLUSION:

Based on above, objections raised vide the Hearing Notice dated 03/01/2024 has been met. Hence, I hereby proceed to grant the patent application no. **201711040039** under section 15 of the Patents Act, 1970 (as amended).

Dated: 28/03/2024

Mangesh L. Mokashi

Deputy Controller of Patents and Designs

Documents Considered/ Reference made as:

1) D1: http://pnrsolution.org/Datacenter/Vol4/Issue1/65.pdf; D2: https://doi.org/10.1080/17597269.2016.1163210, D3: https://doi.org/10.1021/ef700510a, D4: WO2015142211A1, D5: WO2007113530A2, and D6: US20120297665A1

2) Written submissions with amended claims and relevant documents filed on **22/03/2024.**

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Department of Industrial Policy & Promotion,
Ministry of Commerce & Industry,
Government of India

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

Application Details

APPLICATION NUMBER	202211039717
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	11/07/2022
APPLICANT NAME	1 . Dr. Sachin Datt 2 . Dr. Isha Saini 3 . Dr. Sudipto Sarkar
TITLE OF INVENTION	"HABIT BUILDER FOR CHILDREN"
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	pooja@innoveintellects.com
ADDITIONAL-EMAIL (As Per Record)	pujakr@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	22/07/2022

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Application Status

APPLICATION STATUS

Awaiting Request for Examination

View Documents

➡ Filed ➡ Published ➡ RQ Filed ➡ Under Examination

➡ Disposed

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :01/05/2019

(21) Application No.201911017321 A

(43) Publication Date : 24/05/2019

(54) Title of the invention : A SYSTEM FOR GENERATION AND OPTIMIZATION OF BIOENERGY IN DIESEL GENERATOR FOR RURAL ELECTRIFICATION USING ARTIFICIAL NEURAL NETWORK (ANN)

(51) International classification	:C10L1/026
(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 :**

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2)JATINDER SINGLA

3)Dr SK MAHLA

4)Dr AMIT DHIR

5)Mr. VARUN SINGLA

6)Dr NEERU SINGLA

(72)**Name of Inventor :**

1)Dr NEHA GUPTA

2)JATINDER SINGLA

3)Dr SK MAHLA

4)Dr AMIT DHIR

5)Mr. VARUN SINGLA

6)Dr NEERU SINGLA

(57) Abstract :

The present invention relates to Generation and optimization of Bio-energy in Diesel generator for rural electrification using ANN. Electrical power is credibly the most multipurpose form of energy and is a key driver of economic growth and prosperity for any developing nation. Consumption of electricity is an important index of advancement of the country & standard of living. Per capita global energy consumption and demand are rapidly increasing in the last few decades due to industrialization and increase in population of the world. The critical phase of population explosion is being faced by many of the countries in the world including India and the increasing population demands more energy inputs.

No. of Pages : 31 No. of Claims : 7

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

Application Details

APPLICATION NUMBER	201911052742
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	18/12/2019
APPLICANT NAME	1 . Dr. Mohammad Israr 2 . Ramesh Chandra Panda 3 . Dr. Itishree Mohanty 4 . Dr. Mohammad Zubair Khan 5 . Dr. Parul Gupta 6 . Dr. Ravi Shankar Shukla 7 . Dr. Ashish Mishra 8 . Asik Rahaman Jamader 9 . Puja Das 10 . Dr. Arti Vaish 11 . Dr. Lokanatha Dhali Samanta 12 . Deepak Pathak 13 . Dr. Subhakanta Dash 14 . M. Suresh 15 . Dr. Vinay Chandra Jha 16 . Dr. Sitesh Singh
TITLE OF INVENTION	SYSTEM OF AGRICULTURE ROBOT FOR AUTOMATIC SPRAYING SEEDING, HARVESTING AND MONITORING CROP
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	balram.bme@gmail.com
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E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	27/12/2019

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :25/12/2019

(21) Application No.201911053846 A
(43) Publication Date : 27/12/2019

(54) Title of the invention : REFRIGERATION SYSTEM OF CLAY COOL CHAMBER USING SOLAR ENERGY

(51) International classification :F28D20/00
(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 :
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3)Dr. Itishree Mohanty
4)Dr. Lokanatha Dhall Samanta
5)Dr. Parul Gupta
6)Dr. Ashish Mishra
7)Asik Rahaman Jamader
8)Puja Das
9)Dr. Arti Vaish
10)Deepak Pathak
11)Dr. Subhakanta Dash
12)M. Suresh
13)Dr. Vinay Chandra Jha
14)Dr. Sitesh Kumar Singh
(72)Name of Inventor :
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5)Dr. Parul Gupta
6)Dr. Ashish Mishra
7)Asik Rahaman Jamader
8)Puja Das
9)Dr. Arti Vaish
10)Deepak Pathak
11)Dr. Subhakanta Dash
12)M. Suresh
13)Dr. Vinay Chandra Jha
14)Dr. Sitesh Kumar Singh

(57) Abstract :

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :14/05/2020

(21) Application No.202011020323 A
(43) Publication Date : 26/06/2020

(54) Title of the invention : A SYSTEM OF ROUND ROBIN, ACTIVE MONITORING, THROTTLED, DSBP SELECTION DATA CENTER SIMULATION OVER CLOUD FOR CENTRALIZED AND DISTRIBUTED DATA CENTER BY USING LOAD BALANCING TECHNIQUES

(51) International classification	:G06F0009500000, H04L0029080000, H04L0029060000, H04N0021218000, G06F0001260000
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:NA
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(62) Divisional to Application Number	:NA
Filing Date	:NA

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3)Vikas Singhal
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5)Dr. Latika Singh

(57) Abstract :
This invention relates to a system of Round Robin, Active Monitoring, Throttled, DSBP Selection Data Centre Simulation over cloud by using Load Balancing Techniques for CDC and DDC. Cloud based applications are delivered as a service over internet and cloud resources are distributed among the different users for giving permission to customers to utililize the resources as per their demand. Quality of Service (QoS) must be required in cloud computing, so various researchers are facing challenges to update cost efficient, effective response time and QoS for selecting data centers included different problems. Enlarged resource consumption and higher user agreement are the main features of cloud computing by ensuring the allotment of specific resource generated by load balancing. Effective load balancing includes avoiding bottleneck in network, minimizing resource utilization, enabling scalability etc in centralized data center (CDC) and distributed data center (DDC) environment over cloud. Load balancing is a self proceeded approach for selecting data center in any environment for user demands. Load balancing has variety of approaches to easily implement the big demand execution in data center to effectively perform over cloud. In this paper we present round robin, active monitoring, throttled and our proposed distributed service broker policy DSBP techniques simulation based on Cloud Analyst which helps to select selection of effective data center over cloud.

No. of Pages : 29 No. of Claims : 8

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/05/2020

(21) Application No.202041020419 A

(43) Publication Date : 05/06/2020

(54) Title of the invention : A SYSTEM AND METHOD FOR PROVIDING OF ONLINE FIRST AID GUIDANCE DURING OCULAR EMERGENCY SITUATIONS

(51) International classification	:A61K0009000000, G09B0021000000, G16H0050200000, A61K0047020000, A61K0033060000
(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

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3)Dr Latika Singh
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2)Dr Sujatha Krishnamoorthy
3)Dr Latika Singh
4)Mr KunalYadav

(57) Abstract :
An interactive system and method based on Artificial Intelligence (AI) techniques for providing immediate and reliable relief for people suffering from ocular / ophthalmological ailments and who live in remote and rural regions and cannot have access in an urgent basis to ophthalmologists is given. Accordingly, the interactive mode working on internet based platforms, allows the user to have an interrogative session and gathers the details related to the ailment from the person / individual and narrows down the problem concerned and provides exact first aid solutions to the user. Thus, the method can save precious vision for people who would be otherwise in great jeopardy of losing vision due to non availability of medical assistance for their eye related issues. The system and method if highly foolproof and aid people who are marginalized and cannot seek the assistance of medical specialists for their eye related ailments during emergency situations

No. of Pages : 10 No. of Claims : 2

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :24/01/2020

(21) Application No.202011003162 A

(43) Publication Date : 07/02/2020

(54) Title of the invention : IMPROVED HAND OPERATED EMBROIDERY TOOL FOR EASY OPERATION

(51) International classification :C25B0001000000,G06F0009540000,C07B0053000000,H04W0008000000,B62B0005040000

(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

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6)Biswaranjan Acaharya

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8)Ramesh Chandra Panda

9)Radhey Shyam Meena

10)M. Suresh

11)Dr. Arti Vaish

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13)Dr Anshul Gangele

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13)Dr Anshul Gangele

(57) Abstract :

The present invention is related to an improved hand operated embroidery tool (100) . The objective of present invention is to solve the anomalies presented in the prior art techniques related to operation of the hand operated embroidery tool. The presented hand operated embroidery tool (100) is very easy to operate and low in cost. Refer Figure 1

No. of Pages : 19 No. of Claims : 6

ANSAL UNIVERSITY SECTOR-55, GURGAON

(27)

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011007560 A

(19) INDIA

(22) Date of filing of Application :21/02/2020

(43) Publication Date : 06/03/2020

(54) Title of the invention : HUMANOID ROBOT FOR ENERGY EFFICIENCY MOVEMENT WITH OPTIMIZED CONTROL

(51) International classification :B61L0027000000,B25J0015000000,G06Q0010060000,G06F0017500000,G06F0011300000

(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

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(57) Abstract :

The present invention is related to a system of a humanoid robot for energy efficiency movement with optimized control. The objective of present invention is to solve the anomalies presented in the prior art techniques related to energy efficiency movement with optimized control of humanoid robot.

No. of Pages : 23 No. of Claims : 5

ANSAL UNIVERSITY SECTOR-55, GURGAON

(28)

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :14/05/2020

(21) Application No.202041020290 A

(43) Publication Date : 29/05/2020

(54) Title of the invention : EFFECTIVE MANAGEMENT ANALYSIS OF SIGNAL COVERAGE AND NOVEL DESIGN OF TRIANGULAR PATCH ANTENNA FOR QUASI ELLIPTIC BAND PASS RESPONSE

(51) International classification	:H01Q0009040000, H01Q0019000000, H01Q0001380000, H04L0007027000, H01Q0013020000
(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

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(57) Abstract :
Effective Management Analysis of Signal Coverage and Novel Design of Triangular Patch Antenna for Quasi Elliptic Band Pass Response Today the usage of wireless network is quite common in all part of the world. The effective management of radio signals is very essential to provide the optimized coverage over the service area. The radiation level of the electromagnetic signal from the wireless network need not be equal in all directions. Based on the geographic location, people density, etc., the radiation pattern of the wireless network signal has to be controlled. The radiation pattern can be controlled through proper management analysis of signals by considering the factors such as people density, geographical location, etc. For the effective management of radiation pattern, designing different type of antenna is required for different places. This invention proposed an Omni directional low profile patch antenna with the response of the filter investigated. A probe at the centre of the antenna feeds axially the triangular patch antenna which excites the dominant modes of the electromagnetic signal. The conventional circular patch antenna comparatively requires more size than the proposed triangular patch antenna which can generate null radiation at the upper band edge. Merging of the two nodes in the patch is done by introducing a series of shorting vias along with a ring slot which in turn enhances the bandwidth of the passband of the antenna. Simultaneous combination of the two elements generates null radiation at the lower band edge which results in obtaining compact filtering with quasi elliptic bandpass response without the involvement of complex specific circuits for filtering. The prototype has comparatively more impedance bandwidth with an average gain suppressing the out of band signals within the lower and upper stop band. The Most Illustrative Drawing: FIG. 1

No. of Pages : 0 No. of Claims : 0

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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011009013 A

(19) INDIA

(22) Date of filing of Application :03/03/2020

(43) Publication Date : 20/03/2020

(54) Title of the invention : LOW COST VOICE ENABLED MULTI SENSE SMART STICK FOR VISUALLY IMPAIRED PERSON

(51) International classification :A61H0003060000,G09B0021000000,G10L0013000000,G06F0003160000,G10L0015260000

(31) Priority Document No :NA

(32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application No :NA

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(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

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(57) Abstract :

In reference to multi fold surrounding severity issues to visually impaired person a. novel smart stick is invented. This walking stick has multiple sensors to enhance environment sensibility for the blind persons to avoid any surrounding hazard. It expresses the novel attributes such as detection of obstacle to avoid collision in up, down and fronts directions. The other sensor placed near the bottom tip of the walking cane to find the potholes on the ground. The complete smart stick sensors system comprises the voice record-based play chip i.e. APR (single chip voice recorder IC). In this invention, sensors play a key role to detect the objects in all directions and thus helps blind people to be independent. This covers all categories of objects like solid materials, materials in different states such as water, light and temperature. These will provide additional assistance beyond observable changes. Unwanted puddles. Dark places and fires accidents can be avoided. Also, for assistance in climbing on stairs, an interruption sensor will function to determine the distance of closest approach to the ground. Since this is economical and light in weight, one can make use of it easily. The aim of the overall system is to provide a low cost and efficient navigation aid for a visually impaired person who gets a sense of artificial vision by providing information about the environmental scenario of static and dynamic objects around them.

No. of Pages : 23 No. of Claims : 5

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(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :03/03/2020

(21) Application No.202011009012 A

(43) Publication Date : 20/03/2020

(54) Title of the invention : A SMART ADAPTIVE NEURAL FUZZY INTERFACE SUPERVISED ACTIVE POWER FILTER FOR HARMONIC DISTORTION CONTROL IN AC POWER DRIVEN IOT DEVICES

(51) International classification	:H02J3/01
(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

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(57) Abstract :

The present subject matter relates to a field of AC power driven devices in Internet of Things (IoT) applications and more particularly, to the invention is design of a smart computing power quality control circuit for harmonic reduction in ac power driven IoT devices. In reference to advance release from National Institute of Standards and Technology for recent models of internet of things (IoT) or Networks of the things (NoT), the core primitives are defined as sensors, aggregator, communication channel, e-utility and decision trigger. The effects caused due to nonlinear voltage and current characteristics of most of the power electronics semiconductor key components. Such nonlinear loads result in generation of undesirable harmonics in distribution current and disorders the power quality of the utility network. The invention provides a solution of issues caused by the harmonic distortions in line current in internet of things applications due to nonlinear load presence. This contributes adaptive neural fuzzy interface system (ANFIS) supervised PID controller for adequate gate signalling of shunt active power filter (SAPF) for harmonic current compensation. The invention reduces the presence of harmonics by 0.49 % under the permissible limit of IEEE 519 standard.

No. of Pages : 20 No. of Claims : 5

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(31)

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :09/06/2020

(21) Application No.202011024218 A
(43) Publication Date : 26/06/2020

(54) Title of the invention : LOW-COST GSM BASED SMART IRRIGATION SWITCH WITH 3 TO 1 SELECTOR

(51) International classification	:G08C 17/02 H04N 21/41 H04B 1/38
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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6)Probeer Sahw

(57) Abstract :
Electrical appliance is controlled with a switch that regulates the electricity to electrical devices. As a reason of the latest technological advances, automation and wireless control of devices has becoming more popular. This project puts forth the equipment, which enables users to control their home appliances using their cellular phone. It shows the construction and working of the device to control the home appliances with wireless based on GSM networking and microcontroller. Initially an authenticated signal is sent from the user€™s cellular phone via Global System for Mobile Communication (GSM) network to the phone, which is fixed to the equipment. This signal or code consists of the information about the function or action to be taken place i.e. what appliance should be turned off or turned on. The receiver phone receives a SMS message that is send from the user€™s phone and then sends it to the GSM modem, which in turn sends the output digital signal to the microcontroller. Then the microcontroller, based on the received signal, controls the different relays connected through automatic phase selector and triggers the required appliance. There are huge technological advancements in wireless communication like Infra-red and Bluetooth which mostly took place in the recent years shows that the further improvements are in fact possible to make our life more easy and comfortable. Having wireless control of almost all the things in a person€™s life is a growing interest and many systems are developed providing such controls. So based on this idea we have designed a control system which is based on the GSM technology that effectively allows farmers to control their water pump from home to the desired location. Because of this system, there is no need for a person to physically present to switch on/off the water pump. Here our main objective is to design a system that will enable us to have a complete control of the interface on which it is based. When coming to usage, it€™s a layman task and everybody can use this from their regular smart phone without any mobile application simply send a SMS to the sim card which is already inserted in the GSM board. System programming done in such a way that it can track the pump status. User send and SMS through the mobile phone and GSM network to receive some text that is parsed and used to toggle the relay. For security reasons, the sketch checks the number of the sender and this information must be stored in the Arduino. Initially user don€™t know the status of the relays and therefore the sketch uses atoggle" approach, where each SMS received with 1 or 2 as text toggles the status of the corresponding relay. An SMS is sent back with the messageRelay <number>, state: <0 or 1>". Looking at the history of the messages user should be able to keep track of the relays status. This way invention is highly feasible for commercial and non-commercial applications.

No. of Pages : 21 No. of Claims : 4

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(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :03/08/2020

(21) Application No.202011033274 A
(43) Publication Date : 04/09/2020

(54) Title of the invention : A PREDICTIVE ACCIDENT PREVENTION SYSTEM FOR VEHICLES SAFETY ON SHARP TURNS ON HILLY ROADS

(51) International classification :G08G 1/16
(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

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(57) Abstract :
The extensive use of the vehicles enhances the probability of unsafe journey, this is increasing day-by-day. Road accidents are reported increasingly, and preventive measures are limited to deal with the situation. Specifically, mountainous roads are highly dangerous due to sharp and blind turns about it. Illustratively, mountain roads, narrow curve roads, T roads and blind turns are the common causes of road accidents. The problems in these curve roads is that the drivers are not able to see the vehicle or obstacles coming from another end of the curve. Hence, there is a need of essential road safety systems to be incorporated with the blind curves. To avoid such mis happenings in mountain areas, we have invented accident prevention system. This accident prevention system using nsors is powered by Arduino board, it consists of IR sensors, LED lights, and buzzer. When two cars pass from the opposite side of mountain curve the IR sensor senses the car and LED color changes to red and raises the buzzer giving signal of danger. Then it changes one LED color into green to allow the one car to pass and then the other LED color turns green. This immediate signaling help to the driver to observe the presence of other vehicles on the other side which in visible. This intimation can be modulated through signaling of sound alarming. The sequential passes will allow on vehicle to move on blind turn of hill area and other to make alert to control speed. This way, the invention seems highly feasible for road safety in mountainous roads.

No. of Pages : 19 No. of Claims : 4

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :20/07/2020

(21) Application No:202011030786 A
(43) Publication Date : 28/08/2020

(54) Title of the invention : CNG/NATURAL GAS KIT DESIGN FOR TWO WHEELERS.

(51) International classification	:B44F 9/00
(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

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(57) Abstract :
My Invention is toœCNG/NATURAL GAS KIT DESIGN FOR TWO WHEELERS€ • is a refuse collection vehicle has a receiving area in a refuse collection device. The receiving area includes a body cradle to receive at least one CNG tank. At least one CNG tank is positioned in the body cradle. At least one door covers the receiving area. The at least one door is pivotally secured on the refuse collection device to enable access to the at least one CNG tank without use of external lift device. The invented Kit provides a modification kit for converting a gasoline engine provided in a moving means into an engine serving as a compressed CNG/natural gas. In installing a compressed CNG/natural gas reforming kit at a position of a conventional gasoline fuel tank, it is easy to secure a space for installation, and the time and effort required for mounting are reduced by installing various components. The invented kit also formed of a composite material, the impact resistance is improved primarily in comparison with the conventional die-casting metal material. In refuse vehicles that include CNG tanks, federal regulations require that the tanks must be visually inspected at least monthly. Thus, this necessitates the removable of a panel to enable access to the tanks. One type of system utilizes a single panel door that requires a hoist or lift to remove the door to uncover the CNG tanks. Thus, the type of vehicle necessitates the vehicle to be moved to a garage or the like to enable the door or panel to be removed from the refuse vehicle container.

No. of Pages : 24 No. of Claims : 7

(34)

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Application Details

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APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	21/07/2020
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TITLE OF INVENTION	A CUSTOM LOOKUP CREATION sOBJECT SYSTEM FOR ENHANCING CLOUD SERVICES IN CRM BY USING SALES FORCE FRAMEWORK
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Application Status

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Act, Rules, Notifications & Manuals

- Copyright, Act 1957
- Copyright, Act 1957 in Hindi
- Copyright Rules 2013

Status of Copyright Application:

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Search Results:

Diary Number	Class of Work	Title of Work	Applicant Name	Communication Address	Status
14532/2020-CO/L	Literary/ Dramatic	An Accurate Hierarchical Fuzzy Tool for the Detection of Autism	Dr Vikrant Sharma	Dean Research and Development cell, Synergy Institute of Engineering and Technology, Dhenkanal, Orissa-759001	Abandoned
14532/2020-CO/L	Literary/ Dramatic	An Accurate Hierarchical Fuzzy Tool for the Detection of Autism	Er Varun Sharma	Dean Research and Development cell, Synergy Institute of Engineering and Technology, Dhenkanal, Orissa-759001	Abandoned
14532/2020-CO/L	Literary/ Dramatic	An Accurate Hierarchical Fuzzy Tool for the Detection of Autism	Er Anshu Sharma	Dean Research and Development cell, Synergy Institute of Engineering and Technology, Dhenkanal, Orissa-759001	Abandoned
14532/2020-CO/L	Literary/ Dramatic	An Accurate Hierarchical Fuzzy Tool for the Detection of Autism	Dr Anurag Sharma	Dean Research and Development cell, Synergy Institute of Engineering and Technology, Dhenkanal, Orissa-759001	Abandoned
14532/2020-CO/L	Literary/ Dramatic	An Accurate Hierarchical Fuzzy Tool for the Detection of Autism	Er Shilpa Sharma	Dean Research and Development cell, Synergy Institute of Engineering and Technology, Dhenkanal, Orissa-759001	Abandoned
14532/2020-CO/L	Literary/ Dramatic	An Accurate Hierarchical Fuzzy Tool for the Detection of Autism	Prof Ramesh chandra Panda	Dean Research and Development cell, Synergy Institute of Engineering and Technology, Dhenkanal, Orissa-759001	Abandoned
14532/2020-CO/L	Literary/ Dramatic	An Accurate Hierarchical Fuzzy Tool for the Detection of Autism	Dr Garima Bakshi	Dean Research and Development cell, Synergy Institute of Engineering and Technology, Dhenkanal, Orissa-759001	Abandoned

***Work Awaited:** Work yet to be received.
***Waiting:** Payment Accepted,Application in mandatory waiting period of one month(Copyright Act 1957).
***Documents not received, formality check failed:** Documents/works not received only after making payment.
***Abandoned:** Reply to Discrepancy letter issued not received/works not received after filing.
***Scrutiny:** Application is under process.
***Re-Scrutiny:** Application is under process .
***Pending for Hearing:** Pending for Hearing process.
***Hearing:** Hearing process.
***Sub-Judice:** Pending decision of the competent court of law.
***Registered:** ROC is Generated.

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Useful Links

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- Intellectual Property India

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
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(21) Application No.202011045104 A
(43) Publication Date : 06/11/2020

(54) Title of the invention : IOT BASED HEALTHCARE QUEUE MANAGEMENT SYSTEM

(51) International classification	:A61B 5/024 A61B 5/00 H04L 29/08
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(32) Priority Date	:NA
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(62) Divisional to Application Number Filing Date	:NA :NA

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(57) Abstract :
The present invention relates to an IOT based healthcare queue management system comprising, devices worn by patient(s) linked with a server through an IOT module to enter credentials, multiple sensors for monitoring various health parameters such as heart rate, oxygen level etc. and saving data into server, a GPS module to determine real time location, a controller connected with the server allocate digital token on the basis of first come first serve basis, health basis or patient€™s age. The method comprises steps of pairing device with the server and sharing credentials, activating GPS to obtain location, actuating sensors to monitor health parameters, allocating token numbers on the basis of first come first serve, age or medical status, scanning QR code with scanner to authenticate and allow patient to enter the health care facility.

No. of Pages : 19 No. of Claims : 10

SUSHANT UNIVERSITY ★ SECTOR-55, GURUGRAM ★

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Application Details

APPLICATION NUMBER	202011045104
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	16/10/2020
APPLICANT NAME	**1 . Dr. Anurag Sharma** **2 . Dr. Vikrant Sharma** **3 . Dr. Love Kumar** **4 . Dr. Harjit Pal Singh** **5 . Dr. Garima Bakshi** **6 . Dr. Suyeb Ahmed Khan** **7 . Dr. Amandeep Verma** **8 . Dr. Puneet Jai Kaur** **9 . Er. Anshu Sharma** **10 . Er. Shilpa Sharma**
TITLE OF INVENTION	IOT BASED HEALTHCARE QUEUE MANAGEMENT SYSTEM
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	ipec@ennobleip.com
ADDITIONAL-EMAIL (As Per Record)	ipec@ennobleip.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
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PUBLICATION DATE (U/S 11A)	06/11/2020
FIRST EXAMINATION REPORT DATE	02/02/2022
Date Of Certificate Issue	05/06/2024
POST GRANT JOURNAL DATE	07/06/2024
REPLY TO FER DATE	02/08/2022

Application Status

APPLICATION STATUS

Granted Application, Patent Number :540863

E-Register | Order(s)/Decision(s) | View Documents

Filed → Published → RQ Filed → Under Examination → Disposed

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सत्यमेव जयते

क्रम सं/SL No :011211393

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

पेटेंट प्रमाण पत्र | Patent Certificate

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

पेटेंट सं. / Patent No. : 540863

आवेदन सं. / Application No. : 202011045104

फाइल करने की तारीख / Date of Filing : 16/10/2020

पेटेंटी / Patentee : 1.Dr. Anurag Sharma 2.Dr. Vikrant Sharma 3.Dr. Love Kumar 4.Dr. Harjit Pal Singh

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाप्रकटित *IOT BASED HEALTHCARE QUEUE MANAGEMENT SYSTEM* नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख अक्टूबर 2020 के सोलहवें दिन से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled *IOT BASED HEALTHCARE QUEUE MANAGEMENT SYSTEM* as disclosed in the above mentioned application for the term of 20 years from the 16th day of October 2020 in accordance with the provisions of the Patents Act,1970.

SUSHANT UNIVERSITY SECTOR-55, GURUGRAM

अनुदान की तारीख : 05/06/2024
Date of Grant :

पेटेंट नियंत्रक
Controller of Patents

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, अक्टूबर 2022 के सोलहवें दिन को और उसके पश्चात प्रत्येक वर्ष मे उसी दिन देय होगी।

Note. - The fees for renewal of this patent, if it is to be maintained, will fall / has fallen due on 16th day of October 2022 and on the same day in every year thereafter.

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

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पेटेंट प्रमाणपत्र के लिए अनुलग्नक/Annexure to Patent Certificate

पेटेंट सं. / Patent No.	:	540863
आवेदन सं. / Application No.	:	202011045104
फाइल करने की तारीख / Date of Filing	:	16/10/2020
पेटेंटी / Patentee (जारी/Continued)	:	5.Dr. Garima Bakshi 6.Dr. Suyeb Ahmed Khan 7.Dr. Amandeep Verma 8.Dr. Puneet Jai Kaur 9.Er. Anshu Sharma 10.Er. Shilpa Sharma

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BEFORE THE CONTROLLER OF PATENTS

The Patents Act 1970 (as amended)
And
The Patents Rules 2003 (as amended)

SECTION 15 & 43(1)

Application No.	202011045104
Application date	16/10/2020
Applicant name	Dr. Anurag Sharma Dr. Vikrant Sharma Dr. Love Kumar Dr. Harjit Pal Singh Dr. Garima Bakshi Dr. Suyeb Ahmed Khan Dr. Amandeep Verma Dr. Puneet Jai Kaur Er. Anshu Sharma Er. Shilpa Sharma
Title	IOT BASED HEALTHCARE QUEUE MANAGEMENT SYSTEM
Address of service in India	ENNOBLE IP, B-17, FIRST FLOOR, SECTOR 6, NOIDA-201301 (UP), INDIA
Request for Examination and date	R20201036737 ,23/11/2020

DECISION

1. The instant application was examined under Section 12 and 13 of Patents Act and First Examination Report (henceforth referred to as FER) containing a statement of objection was issued to applicant on : 02/02/2022 and the applicant filed their reply to FER on 02/08/2022.

2. Based on the reply to the FER, examination has been conducted de novo and following objections were outstanding.

Objections:

Definitiveness

1. In order to obtain a patent, an applicant must fully and particularly describe the invention therein claimed in a complete specification. The disclosure of the present alleged invention in a complete specification is not such that a person skilled in the art may be able to perform the invention.Hence it is require the applicant to submit models related to the invention for better illustration of the

invention as per section 10(3) of the Patents Act, 1970 (as amended). However, such models or samples shall not form part of the Specification.

Invention u/s 2(1)(j)

The applicant in reply mention that "Whereas, cited document D1, D2 & D3 don't mention the priority order based on which a patient is allocated a digital token....The present invention provides an alert facility to a patient regarding the turn to enter the healthcare facility, through vibration over the wearable band. The digital token allotment is based on QR codemechanism and all the signals are from sensors are processed through a raspberry pie controller unit...Whereas, cited document D1, D2 & D3 doesn't contain any such mechanism to eliminate chances of queue outside a healthcare center by systematically arranging the appointment of the patients.....Whereas, the cited document D4 doesn't contain any information regarding the use of QR code for smooth entry of outpatient waiting to see a doctor...Whereas, the cited document D4 doesn't contain any information regarding the use of QR code for smooth entry of outpatient waiting to see a doctor" where D1:US9974492B1 D2:US10388411B1 D3:US10560135B1 D4:CN203084808U Thre same is disclosed in D5:CN107016770A(refer abstract) D6:US20160203352A1(refer abstract and para 50 ,32) Thus, in the view of features described in D1-D6, the subject matter of Claims 1-6 is not inventive as it would be obvious to the person skilled in the art. Hence, as such does not constitute an invention u/s 2(1)(j) of The Patent Act, 1970(as amended).

Non-Patentability u/s 3

Subject matter of claims 1-6 falls within scope of clause (k) of section (3) of the Patents Act, 1970 (as amended) because it relates to computer program per se. Therefore invention claimed in these claims is not patentable.

Other Requirement(s)

1."The applicant is required to notify the controller at the earliest (3 days prior to hearing date) whether or not he will attend the hearing (Sub-rule 4 of Rule 28 of the Patents Rules and rule 129-A). If an authorized person with substitute PA is attending the hearing, the PA must be submitted before the date of hearing."

2. In case the applicant decides to amend the claims subsequent to this report, the same shall be drafted afresh to include the technical advancement over the prior art cited, in claim 1 as required u/s 2(1)(j) of the Patent's Act. Please indicate in the response communication the support for such amendments claims in the original specification, as required u/s 10(4) of the Act. Care shall be taken that requirement section 59 (1) of the Act is also met. Please provide an additional copy of marked up amendments (highlighting the amendments) where ever applicable.

Reference to co-pending/foreign application(s)

1.Filing of application in any country should be reflected in Form 3 within 6 months from corresponding date of filing.

2.Details regarding application for Patents which may be filed Months from the date of filing of the said application under clause(b) of sub section(1) outside India from time to Time for the same or

substantially the same invention should be furnished within Six of section 8 and rule 12(1) of Indian Patents Act.

Sufficiency of Disclosure u/s 10 (4)

1.In order to obtain a patent, an applicant must fully and particularly describe the invention therein claimed in a complete specification. The disclosure of the present alleged invention in a complete specification is not such that a person skilled in the art may be able to perform the invention. Hence it is requiring the applicant to submit models related to the invention for better illustration of the invention as per section 10(3) of the Patents Act, 1970 (as amended). However, such models or samples shall not form part of the Specification.

2.The invention and its operation or use and the method by which it is to be performed is not fully and particularly described in the complete specification. The complete specification should disclose the best method of performing the invention which is known to the applicant and for which he is entitled to claim protection.

Unity of Invention u/s 10 (5)

1. Multiple independent claims lack succinctness. Independent claims should be suitably linked with principal claim to make them clear, succinct and substantially definitive in accordance with the requirements of section 10(5) of The Patents Act 1970 as amended by the Patents (Amendment) Act 2005.

Hearing

A hearing letter with above mentioned objections was issued to applicant's agent on 22-03-2024 and hearing was scheduled on 09/04/2024 , and conducted on 09/04/2024 and hearing submissions were made on 01/05/2024.

Hearing Submissions

Definitiveness

With regards to the above objection, the applicant submits that the as filed description fully and particularly describes the invention and the same can be acknowledged by cross referencing the paragraph numbers 0026-0042 along with the as filed figure 2, highlighting the flow chart. Further, the claims of the present invention have been revised to replace the system claim with the method claim. The revised claims are amply supported by the as filed description and no such discrepancy exist, if still required, as was allowed in case of 2495/MUM/2008, the applicant can provide additional illustrations of any part/aspect thereof. Marked up and amended copy of claims are enclosed with the response, thus requesting the ld. Controller to kindly waive of the above objection.

INVENTION U/S 2(1)(JA)

Primarily, the controller has acknowledged the novelty of the claims. In furtherance to above, the applicant submits that claims 1-6 have been amended and the amended claims 1-4, do involve inventive step under section 2 (1) (ja) of the Patent's Act in view of cited documents D1-D6. The

characterization of the present invention over the cited documents D1-D6 are as follows: For documents D1-D4, the applicant submits the same reply as was submitted during the FER reply: Characterization over cited document D1:US9974492B1; D2:US10388411B1 and D3:US10560135B1 D1, D2 and D3 relates to devices, systems and methods for reconfigurable and/or updatable lightweight embedded devices or systems are disclosed. Via use of such a device, system, or method, various capabilities for a user are provided, simplified, secured, and/or made more convenient. The system may interact with various other devices or systems, including those that are cloud-based or communicate through the cloud, and may utilize various local sensors, in order to provide one or more of improved access, monitoring, diagnostics, and so forth. (Abstract of D1, D2 & D3) The features of the present invention that are characteristically different from subject matter claimed in D1, D2 & D3 are explained as under – The present invention belongs to an IOT based healthcare queue management system comprising multiple wearable devices paired with a server with the help of an IOT module to enter and save patient's credentials, a virtual keyboard embodied within the device to aid the patient for typing purposes, multiple sensor inbuilt into the device for monitoring health parameters such as heart rate, blood pressure, oxygen level etc. of the patient(s), wherein the obtained data is transferred and saved into the server. A GPS module paired with the device to fetch real time location of a patient which is saved in respect to the pre-stored data containing patient's credentials and health status, a raspberry pie controller linked wirelessly with the server for generating a unique QR code based digital token number on the sequence of factors such as health criticality, patient age and then by the option of first come first serve. A scanning unit housed within a health care center used to authenticate the generated QR code and provide access to the patient to enter the facility. Whereas, cited document D1, D2 & D3 don't mention the priority order based on which a patient is allocated a digital token. Cited documents D1, D2 & D3 disclosure relates to systems and methods for purchasing one or more items using a user device (also called a "device" herein), which can be a mobile cellular device, such as a cell phone, tablet, personal computer, or the like. The present invention mentions an IOT based healthcare queue management system for efficiently monitoring the location, age and health care information of a patient to allocate a digital token considering all of the patient's information so that long queues can be avoided at healthcare centers and patients with severe illness can get treatment on priority. Whereas, the cited documents D1, D2 & D3 disclose exemplary systems and methods which can be used to easily and automatically purchase items from a nearby merchant. The purchase can be made without the need for a user to order or pay at the merchant location. The present invention provides an alert facility to a patient regarding the turn to enter the healthcare facility, through vibration over the wearable band. The digital token allotment is based on QR code mechanism and all the signals are from sensors are processed through a raspberry pie controller unit. The vital parameters measured for a patient are heart rate, blood pressure, oxygen level and temperature for entering the healthcare facility on priority.Whereas, cited document D1, D2 & D3 doesn't contain any such mechanism to eliminate chances of queue outside a healthcare center by systematically arranging the appointment of the patients. The present invention provides an option to the patient to cancel their appointment and reallocation of the token number to other prospective patients. The mechanism mentions that the virtual keypad may be employed with a slide to cancel option for canceling the token number allocated to the patient. Canceling the token number rearranges the token number accordingly in order to eliminate the waiting time. Whereas, cited document D1, D2 & D3 doesn't contain any such mechanism to cancel allocation of a digital token and re-allocate the same to next deserving patients waitng to enter the healthcare facility. Therefore, constructional as well as technical features of the

present invention are different from features of.the system proposed in cited document D1, D2 & D3. Characterization over cited document D4: CN203084808U D4 discloses an utility model for outpatient waiting queue management system which comprises a server, a databank, a doctor working station terminal, a queue number caller and a waiting information display device, wherein the databank, the doctor working station terminal and the waiting information display device are all connected with the server; the queue number caller is installed at the doctor working station terminal and is connected with the waiting information display device; the server comprises a waiting management module, a further consultation management module and a time prediction module for estimating the time that a next patient waits for visiting a doctor. As the time prediction module is arranged in the server, the patient can conveniently and rapidly master the time for waiting for the doctor; and moreover as a special patient management is provided, the old, the weak, the patient and the disabled patients or emergency patients have the priority for treatment, so that the disease is not delayed; and in addition, due to the arrangement of a transfer consultation module, the patients can be reasonably and orderly allocated to different departments. By utilizing the outpatient waiting queue management system, the resource waste in hospitals is avoided, the change requirements of patients are met, and the image and the service quality of hospitals are improved. (Abstract of D4) The characteristic features of the present invention that are different from features of the cited document D4 are explained as under – The present invention discloses an IOT based healthcare queue management system comprising wearable devices worn by a patient connected to a server through an IOT module. The wearable unit uses multiple sensors for monitoring various health parameters and sends the data to the server, GPS module used to determine real time location, the controller connected with the server allocate digital token for hassle free entry into the appropriate healthcare facility to avoid long queues of patients. The present invention focuses on facilitating entry of needy patients based on their illness, age and finally on the basis of firstcome first-serve. Whereas cited document D4 discloses a utility model for outpatient services waiting to see the doctor, the time prediction module is set in the server, the time prediction module is connected with the prescription on individual diagnosis display device that is arranged at the hall of waiting to see the doctor which indicates that no preference is provided to terminally ill patients based on criticality or age. In cited document D4 it mentioned that the patient conveniently recognizes the time of own required wait, thereby reasonable distribution oneself time that being provided with of module can be rational and orderly carries out section office to the patient and distributes. The present invention discloses a QR code based digital token facility for patients that allows entry of patients in to the healthcare facility without any queue and patients who are already ill need not suffer any further waiting for treatment. Whereas, the cited document D4 doesn't contain any information regarding the use of QR code for smooth entry of outpatient waiting to see a doctor. Cited document D4 used a mechanism for calling out the numbers comprising a system provided with an enquiry module. The device of calling out the numbers install with doctor's station terminal on and link to each other with diagnosis information display device with server, the doctor calls out next patient by the assignment key that click the numbers on the module, this patient's registration form sequence number is shown in the diagnosis information display device for the convenience of the patient. The present invention mentions that in case there are two or more patients at the center, then the controller decides the priority on the basis of the medical status of the respective patient. The patient who requires faster treatment is given the token number earlier to the other patient. The priority of patients on the basis of health is determined with the help of pre-saved data into the center. Whereas no such facility is provided as

per cited document D4 to prioritize entry of patients completely based on the prevailing medical urgency. So that no patient should be traumatized due to the presence of a large number of patients at a common healthcare facility. The present invention mentions that a virtual keypad is provided with the wearable device for a patient to book or cancel entry in to a healthcare center from a remote location. The virtual keyboard embodied within the device to aid the patient for typing purposes. The wearable device is operated with the help of a touch screen integrated with the virtual keyboard. This keyboard is used by the patient(s) to enter their personal data such as name, address, mobile number etc. The wearable device is connected with the internet in such a manner that all the data that is entered into the device directly gets stored into a server. The virtual keypad is also employed with a slide to cancel option for canceling the token number allocated to the patient. Canceling the token number rearranges the token number accordingly in order to eliminate the waiting time. Whereas no such mechanism is found in cited document D4 to book or cancel an appointment from a remote location. This facility actually helps a patient to enter individual information in real time. Thus, inventive features of the present invention are different from features of cited document D4. Now, referring to the newly cited documents D5 & D6: Characterization over cited document D5 & D6: Document D5, CN107016770A states that "The user can "print" the QR code displayed on the kiosk. In addition, the user may scan the QR code displayed on the kiosk device or the QR code printed on the printer via the user device." From the above statement, it shall be very clear that the document D5 allocates printed QR codes and not digital tokens, hence, keeping the entire document D5 into consideration, it would not be possible to alter/change the token number in real time based on the criticality or age of the patients. Even if priority based allocation was known, the document D5 does not disclose about any mechanism for real time change of the token number based on the criticality of the patient. As none of the features i.e., real time detection of patient's health and use of digital tokens are disclosed in the document. Due to this limitation, the patients with more critical situations will be left unattended. Whereas, in the present invention, "QR code based digital tokens are allocated", in case there are two or more patients at the center, then the controller decides the priority on the basis of the medical status of the respective patient. The patient who requires faster treatment is given the token number earlier to the other patient. The priority of patients on the basis of health is determined with the help of pre-saved data into the center. Further, there is no means/mechanism in document D5 to real time monitor the criticality of the patients. Document D6, US20160203352A1, discloses "mobile computer is adapted to include a scan client module for scanning and communicating scan-triggered service code in-formation to a scan-triggered application server. QR code scanning is accomplished by a camera module that is associated with the smartphone or other mobile computing device. The scan-enabled client module communicates the scanned QR code information to an associated server application for collecting, processing and reporting scan data." The document D6 involves the QR code scanning unit instead of producing digital tokens, it involves a camera module that is associated with the smartphone for capturing QR codes for acquiring a particular information. However, similar to the document D5, the document D6 also does not disclose about any mechanism for real time change of the token number based on the criticality of the patient. As none of the features i.e., real time detection of patient's health and use of digital tokens are disclosed in the document. Due to this limitation, the patients with more critical situations will be left unattended. Whereas, in the present invention, "QR code based digital tokens are allocated", in case there are two or more patients at the center, then the controller decides the priority on the basis of the medical status of the respective patient. The patient who requires faster treatment is given the token number earlier

to the other patient. The priority of patients on the basis of health is determined with the help of pre-saved data into the center. Further, there is no means/mechanism in document D6 to real time monitor the criticality of the patients.

SUBMISSION FOR OBJECTION: NON-PATENTABILITY U/S 3

Section 3k pertains to what is not an invention within the meaning of the act and is read as follows: "a mathematical or business method or a computer programme per se or algorithms" Particularly, an algorithm is defined as 'a procedure for solving a mathematical problem (as of finding the greatest common divisor) in a finite number of steps that frequently involves repetition of an operation. Therefore, what is necessary for an invention to fall under ambit of 'algorithm' is that it must be solving a mathematical problem in finite number of steps and thus has no technical effect. The patent application does not attract the section 3 (k) of the Act, if they result in any 'technical contribution'. If the invention demonstrates a "technical effect" or a "technical contribution" it is patentable even though it is based on a computer program or algorithm. The term "technical effect" shall be interpreted according to judicial precedents, pari materia provisions and practices of patent offices of foreign jurisdictions. However, referring to the claims of the present invention, it can be easily apprehended that no such mathematical/business method, computer program or algorithm is claimed. Instead, the present invention involves a unique combination of hardware and data/signal flow from one module to another which is producing the desired results and this unique combination of hardware is producing a unique technical effect. 1. Technical Problem: In current technology, the access to healthcare centers is done on first come first serve basis which causes critically ill patients to wait for their turn or accumulation of long queue outside the healthcare centers. 2. Technical Solution: The present invention shows technical effects in following manner: Consider all the parameters such as first arrival, criticality and age of patient for accordingly allocating digital tokens, thereby providing treatment to each and every critical and older age patient without missing anyone; and -eliminate chances of queue outside the healthcare center by systematically arranging the appointment of the patients. Adding to the above statements, the Guidelines for Examination of Computer Related Inventions (CRIs), 2017, at page 15, Section 4.5 states "patents are granted to inventions, whether products or processes, in all fields of technology, it is important to ascertain from the nature of the claimed Computer-related invention whether it is of a technical nature involving technical advancement as compared to the existing knowledge or having economic significance or both" & "if in substance, the claim, taken as whole, does not fall in any of the excluded categories, the patent should not be denied". Thus, the Applicant submits that determination of patentability of claims should be based on the substance of claims, over form; taking the whole of the claim together. In addition to the above, the Delhi High Court's decision in for assessing patentability in the case of Telefonaktiebolaget LM Ericsson Vs Intex Technologies (India) Limited (order in CS(OS) No.1045/ 2014 dated 13th March 2015) has held "Thus, it [is] appears to me prima facie that any invention which has a technical contribution or has a technical effect and is not merely a computer program per se as alleged by the defendant and the same is patentable. Further, as per the discussion in the hearing, the applicant has revised the claims of the present invention to the satisfaction of the ld. Controller, therefore, the applicant requests the ld. Controller to kindly reconsider the above objection. In view of the aforesaid, the applicant submits

that the present invention provides a technical solution to a technical problem and thus is out of purview of section 3 (k) Indian Patents Act, 1970. Hence, withdrawal of the objection is therefore requested.

Other Requirement(s)

1.The applicant has duly complied with the requirement, hence, requesting waiver of the above objection.

2. The claims of the present invention have been suitably revised. The Marked up and amended copy of claims is enclosed with the response. The amendments have been performed by a way of correction, having support of originally filed detailed description of the invention as allowed under section 59 of the Indian Patent's Act. Further, it is hereby affirmed that no new subject matter has been added beyond the scope of the instant application and the amendments have been performed in compliance to section 57/59 of the Patent's Act.

Reference to co-pending/foreign application(s)

In view of the above objection, the applicant submits that no corresponding application has been filed outside India and hence no such particulars of foreign filing are available with the applicant However as per compliance of Section 8 and Rule 12, the applicant submits an updated copy of form 3 annexed with the response. Withdrawal of the above objection is therefore requested.

SUBMISSION FOR OBJECTION: SUFFICIENCY OF DISCLOSURE U/S 10 (4)

With regards to the above objection, the applicant submits that the as filed description fully and particularly describes the invention and the same can be acknowledged by cross referencing the paragraph numbers 0026-0042 along with the as filed figure 2, highlighting the flow chart. Further, the claims of the present invention have been revised to replace the system claim with the method claim. The revised claims are amply supported by the as filed description and no such discrepancy exist, if still required, as was allowed in case of 2495/MUM/2008, the applicant can provide additional illustrations of any part/aspect thereof. Marked up and amended copy of claims are enclosed with the response, thus requesting the ld. Controller to kindly waive of the above objection.

Unity of Invention u/s 10 (5)

In view of the above objection, the applicant submits that the claims have been amended and the amended claims, recite only one independent claim. Marked up and amended copy of claims are annexed with the response, thus, the applicant requests the ld. Controller to kindly reconsider and waive of the above objection.

Analysis

All objections were discussed in hearing. The applicant had delineated the advancement of the present invention from the cited prior arts. The present invention is an IOT based health care queue management system for continuously monitoring the location, age and health care information of the patient in order to allocate digital tokens considering all of the detected information. The features of the instant invention is not disclosed in any of the prior art documents.

Decision

Based on the above facts, submission and observations in the case, all objections have been met. Therefore I proceed with grant of patent for the instant patent application no. 202011045104 with four (4) claims given in the document filed on 01/05/2024 with nomenclature 202011045104-Written submissions and relevant documents [01-05-2024(online)].pdf.

Dated 5th June 2024

(Pratik Sharad Hendre).

Assistant Controller of Patents & Designs.

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :04/10/2020

(21) Application No.202011043075 A

(43) Publication Date : 23/10/2020

(54) Title of the invention : BLOCKCHAIN-BASED SOLUTION TO COMBAT BED ALLOCATION PROBLEM IN AN EPIDEMIC OUTBREAK

(51) International classification	:H04L 9/32 H04L 9/06 G06F 21/64
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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2)Dr. Neha Gupta

3)Ms. Surbhi Dewan

(72)**Name of Inventor :**

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2)Dr. Neha Gupta

3)Ms. Surbhi Dewan

(57) Abstract :

The present invention provides a proof of concept by using Ethereum platform to address the issue of data discrepancy in information associated with tracking COVID-19 information. It is conspicuous that novel technology such as blockchain has potential in developing an efficient system that can help in storing and providing the appropriate pandemic information. Since, the data stored in blockchain is immutable, therefore the application ensures data transparency, security and integrity. Hence, Blockchain can be seen as powerful technology as it ratifies the data authenticity and ensures that the information acquired from government health officials is authenticate and reliable.

No. of Pages : 18 No. of Claims : 8

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Application Details

APPLICATION NUMBER	202011043075
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	04/10/2020
APPLICANT NAME	**1 . Dr. Latika Singh** **2 . Dr. Neha Gupta** **3 . Ms. Surbhi Dewan**
TITLE OF INVENTION	BLOCKCHAIN-BASED SOLUTION TO COMBAT BED ALLOCATION PROBLEM IN AN EPIDEMIC OUTBREAK
FIELD OF INVENTION	COMMUNICATION
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PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	23/10/2020

SUSHANT UNIVERSITY

Application Status

APPLICATION STATUS

Awaiting Request for Examination

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Filed → Published → RQ Filed → Under Examination → Disposed

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Application Details

APPLICATION NUMBER	202011051563
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	26/11/2020
APPLICANT NAME	1 . Dr. Aman Dahiya,Maharaja Surajmal Institute of Technology 2 . Dr. Nidhi Sindhwani,Amity School of Engineering and Technology 3 . Ms. Deepti Deshwal,Maharaja Surajmal Institute of Technology 4 . Mr. Anand Pratap Singh Sengar,Goldwater center for science and Engineering 5 . Dr. Pardeep Sangwan,Maharaja Surajmal Institute of Technology 6 . Dr. Naveen Dahiya,Maharaja Surajmal Institute of Technology 7 . Dr. Garima Bakshi,Sushant University
TITLE OF INVENTION	DESIGN AND DEVELOPMENT OF MICROSTRIP PATCH ANTENNA FOR OPTIMIZED RADIATION
FIELD OF INVENTION	ELECTRICAL
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ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	26/11/2020
PUBLICATION DATE (U/S 11A)	04/12/2020

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Application Details

APPLICATION NUMBER	202011044430
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	13/10/2020
APPLICANT NAME	**1 . Dr. RAKESH KUMAR YADAV (DIRECTOR)** **2 . Mr. SWADESH KUMAR SINGH (ASSISTANT PROFESSOR)** **3 . Dr. MADAN KUMAR SHARMA (ASSOCIATE PROFESSOR)** **4 . Dr. B L GUPTA (ASSISTANT PROFESSOR)** **5 . Mr. SUNIL KUMAR MISHRA (ASSISTANT PROFESSOR)** **6 . Dr. ARTI VAISH (ASSOCIATE PROFESSOR)** **7 . Dr. PRASHANT JOHRI (PROFESSOR)**
TITLE OF INVENTION	APTD- WASTE RECYCLABLE MATERIAL MANAGEMENT SYSTEM: AUTOMATIC PROCESS AND METHODS MANAGEMENT SYSTEM FOR POWER GENERATION DISTRIBUTION EQUIPMENT RELATED WASTE RECYCLABLE MATERIAL CONVERTED INTO VALUABLE ADDED PRODUCTS.
FIELD OF INVENTION	CHEMICAL
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Application Status

APPLICATION STATUS

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➡ Filed ➡ Published ➡ RQ Filed ➡ Under Examination

➡ Disposed

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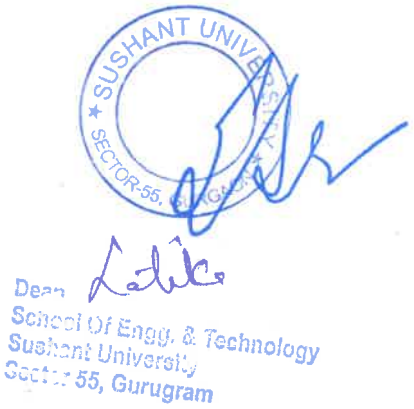

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Application Details

APPLICATION NUMBER	202011044582
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	13/10/2020
APPLICANT NAME	**1 . Dr. Arti Vaish** **2 . Antim Dev Mishra** **3 . Kamal Thakur** **4 . Zeeshan Akhtar** **5 . Monika Chaudhry** **6 . Dr. Shikha Gupta** **7 . Dr. Vikas Singh Bhadoria** **8 . Dr. Garima Goswami** **9 . Dr. Pankaj Kumar Goswami**
TITLE OF INVENTION	A LOW-COST INDIAN CURRENCY IDENTIFIER FOR VISUALLY IMPAIRED PERSONS
FIELD OF INVENTION	PHYSICS
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PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	13/10/2020
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Application Details

APPLICATION NUMBER	202111047869
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	21/10/2021
APPLICANT NAME	1 . CHANDRA SHEKHAR SINGH 2 . SUNIL KUMAR SHARMA 3 . NEHA 4 . DR. NEHA GUPTA 5 . DR ANIL KUMAR 6 . NIDHI GUPTA 7 . DR. SHIVANI DUBEY
TITLE OF INVENTION	DESIGN AND DEVELOPMENT OF IOT-BASED PASSENGER COUNTING IN TRANSPORTATION SYSTEM
FIELD OF INVENTION	COMMUNICATION
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PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	29/10/2021

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Application Status

APPLICATION STATUS

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Application Details

APPLICATION NUMBER	202221021099
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	08/04/2022
APPLICANT NAME	1 . Mr. Shailendra Kumar Rawat 2 . Mr. Amar Saraswat 3 . Dr. Bindu Thakral 4 . Ms. A. Priya 5 . Dr. Pushpa 6 . Mr. Kapil Kumar 7 . Mr. Sudhans Shekhar Pandey 8 . Ms.Shruti N.Mehta 9 . Ms. Reeta Mishra 10 . Mr. Vinay Kumar
TITLE OF INVENTION	MACHINE LEARNING BASED AUTOMATIC ELECTRODIAGNOSIS OF CARPAL TUNNEL SYNDROME
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
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E-MAIL (UPDATED Online)	
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(43)

FORM 1

[THE DESIGNS ACT, 2000]

APPLICATION FOR REGISTRATION OF DESIGNS **(See sections 5 and 44)**

(For Fee see First Schedule)	You are requested to register the accompanying in **Class No.24-**MEDICAL AND LABORATORY EQUIPMENTand **SubclassNo. 02–**MEDICAL INSTRUMENTS, INSTRUMENTS AND TOOLS FOR LABORATORY USE
[A] Insert number of class [B] Insert (in full) address and nationality	in the name of [B] 1.Mr. Sandeep Gulia, Assistant Professor, School of Engineering and Technology, Sushant University, Golf Course Road, Sector 55, Gurugram 122003, India 2.Dr. Pranati Rakshit , Asst.Prof., Computer Science & Engineering department,JIS COLLEGE OF ENGINEERING ,BLOCK-A, PHASE-III, KALYANI, NADIA, PIN- 741235, WEST BENGAL, INDIA. 3.Mr. Krishan Chhillar,School of Engineering and Technology,Sushant University,Golf Course Road, Sector 55, Gurugram-122003, India 4.Jubilie S V, Assistant Professor of Commerce,Sree Narayana College, Sivagiri, Varkala,Trivandrum,Kerala 5.Goutam Datta,School of Computer Science, University of Petroleum and Energy Studies, Dehradun 248007, India. 6.Dr Parmod Kumar, Associate Professor, School of Energy and Electromechanical Engineering, Hunan University of Humanities, Science and Technology, Loudi City, Hunan, China - 417000 7.Dr. Suraya Mubeen,Associate Professor,CMR Technical Campus, Kandalkoya Village, Hyderabad, Telangana, Pin - 501401
[BI] Category of applicant [Please tick (✓) for the appropriate category]	8.Dr ALOK SRIVASTAVA,House Number P4/18, 1st Floor, BPTP Elite Floors, Sec 75 Faridabad, Haryana,MVN Universtiy Palwal, Haryana, Pin - 121105 9.Rehan Husain,Research Scholar,JRF ,Faculty of Management studies and research ,Aligarh Muslim university ,Aligarh 202001 10. Prof.Ramesh Chandra Panda,Dean,Research & Development Cell, Synergy Institute of Engineering & Technology,Dhenkanal,Odisha-759001 11. Dr P Karthigeyan, no.3, 2nd cross, Shastri Nagar, Pondicherry-605005 who claim(s) to be the proprietor(s) thereof. **Natural Person (✓)** Start-up ( ) Small Entity ( ) Others ( ) [BI]
[C] State whether drawings, photographs, tracings or specimens.	Four exactly similar [C] drawings.of the design accompany thisrequest.
[D] Insert name of article or articles to which the design is to be applied or state trade description of each of the articles contained in the set	The design is to be applied to [D] **"OXYGEN CONCENTRATOR"**

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Application Details

APPLICATION NUMBER	202211026325
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	06/05/2022
APPLICANT NAME	1 . Antim Dev Mishra 2 . Meet Ahluwalia 3 . Taral Harish Shah 4 . Dr. Pankaj Kumar Goswami
TITLE OF INVENTION	A ROBUST DESIGN TO SPACE OPTIMIZE METRO COACHES DURING OVERCROWDING USING PASSIVE INFRARED SENSOR
FIELD OF INVENTION	COMPUTER SCIENCE
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PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	06/05/2022
PUBLICATION DATE (U/S 11A)	13/05/2022

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Patent Search

Invention Title	A ROBUST DESIGN TO SPACE OPTIMIZE METRO COACHES DURING OVERCROWDING USING PASSIVE INFRARED SENSOR
Publication Number	19/2022
Publication Date	13/05/2022
Publication Type	INA
Application Number	202211026325
Application Filing Date	06/05/2022
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	COMPUTER SCIENCE
Classification (IPC)	G06K0009000000, G06M0001272000, G06Q0010060000, G06M0007000000, G06M0011000000

Inventor

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Applicant

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Page last updated on: 26/06/2019

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Latiki

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Sector-55, Gurugram

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :09/05/2022

(21) Application No.202211026759 A

(43) Publication Date : 13/05/2022

(54) Title of the invention : A NEONATAL FITNESS PATCH

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3)Nrashant Singh
4)Dr. Reena Grover
5)Dr. Seema
6)Dr. Zakir Hussain
7)Prof. Dimple Saproo
8)Dr. A.Mary Priya Dharsini
9)Dr. A.Jennie Sebasty Pritha
10)Dr. A.Leema Maria Prakasam
11)Dr. Arti Vaish
12)Kandukuru Jagan Mohan Reddy
13)Dr. Paritosh Srivastava
14)Prof. Ramesh Chandra Panda
Name of Applicant : NA
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(72)**Name of Inventor :**
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11)Dr. Arti Vaish
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14)Prof. Ramesh Chandra Panda
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51) International Classification :A61B0005000000, A61B0005024000, A61B0005110000, A61B0005020500, A61B0005145500

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

(87) International Publication No : NA

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

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

(57) Abstract :

The present invention relates to a neonatal fitness patch (100). The neonatal fitness patch (100) comprises a plurality of sensors (102), a soothe unit (104), a central processing unit (108), a display unit (110) and a power unit (112). The plurality of sensors (102) is configured to detect the health related information of the neonatal. The neonatal fitness patch (100) is applied on the wrist of a newborn baby measures accurately the heart rate, movement, sleep, blood oxygen levels and even soothes the baby automatically by playing soft music when the sensor detects that the baby is crying. The present invention provides a neonatal fitness patch (100) that can monitor the baby health in real-time [Figure 1]

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Application Details

APPLICATION NUMBER	202211026759
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	09/05/2022
APPLICANT NAME	1 . Dr. Raman Deep Gautam 2 . Dr. Navin Kumar Agarwal 3 . Nrashant Singh 4 . Dr. Reena Grover 5 . Dr. Seema 6 . Dr. Zakir Hussain 7 . Prof. Dimple Saproo 8 . Dr. A.Mary Priya Dharsini 9 . Dr. A.Jennie Sebasty Pritha 10 . Dr. A.Leema Maria Prakasam 11 . Dr. Arti Vaish 12 . Kandukuru Jagan Mohan Reddy 13 . Dr. Paritosh Srivastava 14 . Prof. Ramesh Chandra Panda
TITLE OF INVENTION	A NEONATAL FITNESS PATCH
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	info@lexgin.com
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PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	13/05/2022

SUSHANT UNIVERSITY SEC-55, GURUGRAM

Application Status

APPLICATION STATUS

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Application Details

APPLICATION NUMBER	202211033563
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	11/06/2022
APPLICANT NAME	1. Antim dev Mishra 2. Chhavi Singla 3. Rajeev Trivedi 4. Phani Krishna 5. Vishal Vats 6. Anju Dhiman 7. Sanjeev Sharma
TITLE OF INVENTION	Low Cost Microcontroller Based Device for Peripheral Awareness Training
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	antimdevmishra@gmail.com
ADDITIONAL-EMAIL (As Per Record)	antimdevmishra@sushantuniversity.edu.in
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	11/06/2022
PUBLICATION DATE (U/S 11A)	01/07/2022

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Application Details

APPLICATION NUMBER	202211042331
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	24/07/2022
APPLICANT NAME	1 . Antimadev 2 . Taral Harish Shah 3 . Aditya Milind Mate 4 . Pankaj Singh Shah
TITLE OF INVENTION	SENSOR-BASED LOW COST AIR PURIFIER WITH AIR QUALITY INDICATOR
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	antimdevmishra@sushantuniversity.edu.in
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PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	24/07/2022
PUBLICATION DATE (U/S 11A)	05/08/2022

Application Status

APPLICATION STATUS: **Application Awaiting Examination**

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(48)

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :12/11/2022

(21) Application No.202241064841 A

(43) Publication Date : 18/11/2022

(54) Title of the invention : Machine learning and Artificial intelligence techniques for intrusion detection in network

(51) International classification :G06F0021550000, H04L0067520000, H04W0012122000, H01L0023367000, G06F0016245500

(86) International Application No :PCT//
Filing Date :01/01/1900

(87) International Publication No : NA

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

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

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2)Mr. Mohammed Afzal

3)Mr. Mohammed Rahmat Ali

4)Mrs. Meenakshi Gupta

5)Dr. Pathan Ahmed Khan

6)Dr. Justin Sophia. I

7)Ms. Palla Sravani

8)Mr. Sandeep B

9)Dr. T Sivakami

10)Dr. ATA Kishore Kumar

11)Dr. Shankar B B

Name of Applicant : NA

Address of Applicant : NA

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(57) Abstract :

Predicting and avoiding unwanted infiltration in a computer setup is made possible by the present invention. Ideally, the invention includes a communication network that at least two computers may connect to; one of those computers can then receive data sent by the other computer. A database that may hold network-related data and is available online is also part of the idea. We supply a vulnerability assessment component that can issue instructions over the network, and we provide you a data monitoring utility that can keep tabs on the information flowing via the network while the vulnerability assessment component carries them out. A component for detecting intrusion is also provided, and it is operative to provide a replica of the network, to produce a first data transmission on the replica that stands in for a second data transmission on the communication network, and to compare the first and second data transmissions. In order to predict and prevent unauthorized intrusion into the computer configuration, the vulnerability assessment component preferably interfaces with the intrusion detection component to define rules associated with the first and second data transmissions, store the rules in the database, and retrieve the rules from the database.

No. of Pages : 29 No. of Claims : 7

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Application Details

APPLICATION NUMBER	202241064841
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	12/11/2022
APPLICANT NAME	1 . Mr. H.M. Moyeenudin 2 . Mr. Mohammed Afzal 3 . Mr. Mohammed Rahmat Ali 4 . Mrs. Meenakshi Gupta 5 . Dr. Pathan Ahmed Khan 6 . Dr. Justin Sophia. I 7 . Ms. Palla Sravani 8 . Mr. Sandeep B 9 . Dr. T Sivakami 10 . Dr. ATA Kishore Kumar 11 . Dr. Shankar B B
TITLE OF INVENTION	Machine learning and Artificial intelligence techniques for intrusion detection in network
FIELD OF INVENTION	COMPUTER SCIENCE
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PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	18/11/2022

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Application Details

APPLICATION NUMBER	202311004108
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	20/01/2023
APPLICANT NAME	1 . DR. MEENA ARORA 2 . DR. SHIVANI DUBEY 3 . PROF. VIKAS SINGHAL 4 . MR. SAURABH CHOUDHARY 5 . DR SACHIN MALHOTRA 6 . DR. SHAIFALI 7 . DR. NIDHI GUPTA 8 . DR. NEHA GUPTA 9 . MR SHUBHAM PRASAD
TITLE OF INVENTION	EARLY FLOOD DETECTION SYSTEM USING INTERNET OF THINGS (IOT)
FIELD OF INVENTION	ELECTRICAL
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PRIORITY DATE	
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Application Details

APPLICATION NUMBER	202311009021
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	11/02/2023
APPLICANT NAME	1 . A Avinaash 2 . Antim Dev Mishra 3 . Taral Harish Shah
TITLE OF INVENTION	SMART OXYGEN REGULATING TREKKING MASK WITH SPO2 LEVEL INDICATOR
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	antimdevmishra@sushantuniversity.edu.in
ADDITIONAL-EMAIL (As Per Record)	antimdevmishra@sushantuniversity.edu.in
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PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	11/02/2023
PUBLICATION DATE (U/S 11A)	03/03/2023

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Application Status

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➡ Disposed

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सत्यमेव जयते

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डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No.	:	391373-001
तारीख / Date	:	28/07/2023
पारस्परिकता तारीख / Reciprocity Date*	:	
देश / Country	:	

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो *ARTIFICIAL INTELLIGENCE BASED MENTAL HEALTH DIAGNOSTIC DEVICE* से संबंधित है, का पंजीकरण, श्रेणी 14-02 में 1.Meenakshi Gupta 2. Rinky Ahuja 3.Dr. Sanjeev Gour 4.Dr. V. Subedha 5.Dr. Karuna Pandit के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 14-02 in respect of the application of such design to *ARTIFICIAL INTELLIGENCE BASED MENTAL HEALTH DIAGNOSTIC DEVICE* in the name of 1.Meenakshi Gupta 2. Rinky Ahuja 3.Dr. Sanjeev Gour 4.Dr. V. Subedha 5.Dr. Karuna Pandit.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्यधीन प्रावधानों के अनुसरण में।
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

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जारी करने की तिथि :
Date of Issue : 26/09/2023

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Application Details

APPLICATION NUMBER	202211052851
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	15/09/2022
APPLICANT NAME	1 . SUMAN DEVI 2 . Dr. VIJAY KUMAR DWIVEDI 3 . DR.SHARAD GANGELE 4 . Dr. DURDANA LATEEF 5 . Dr. A. K. SHRIVASTAV 6 . Dr ROHIT KUMAR VERMA 7 . NAVNEET KUMAR LAMBA 8 . Dr. SHANTI SWARUP DUBEY 9 . Dr. VIKRAMJEET SINGH 10 . Dr. T. ROJAMARY 11 . Dr. ANIMESH KUMAR SHARMA 12 . THIMMAIAH BAYAVANDA CHINNAPPA
TITLE OF INVENTION	IMPLEMENTATION OF PROBABILITY OF DETECTION AS STATISTICAL MODEL TO STUDY THE BARRIERS IN E-COMMERCE MARKETING AND VALIDATING THEM USING QUALITATIVE METHODS
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	sgowthami12@gmail.com
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E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	07/10/2022

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Application Details

APPLICATION NUMBER	202241060220
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	21/10/2022
APPLICANT NAME	1 . Dr R SUBHASHINI 2 . SUMAN DAHIYA 3 . Dr.R.V.SUGANYA 4 . Dr.M.VETRIVEL 5 . Prof.(Dr.) RAJEEV YADAV 6 . Dr.MEENAKSHI 7 . Dr AMARESH JHA 8 . SARAH DSOUZA 9 . Dr.Y.SIVA REDDY 10 . PALLABI BARUAH 11 . Dr.A.SASI KUMAR 12 . VIHAR POTHUKUCHI
TITLE OF INVENTION	ARTIFICIAL INTELLIGENCE BASED APPROACH FOR EXPLORING THE COSTUMER ORIENTED ATTITUDES IN ONLINE SHOPPING THROUGH DIGITAL MARKETING
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	sgowthami12@gmail.com
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PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	04/11/2022

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Application Details

APPLICATION NUMBER	202211067245
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	23/11/2022
APPLICANT NAME	1 . SUMAN DAHIYA 2 . Prof. VAIBHAV A. JOSHI 3 . DR RAJIB BHATTACHARYA 4 . CH. SESHADRI RAO 5 . DR. VIJAY KUMAR DWIVEDI 6 . DR. BANDLA PRATHYUSHA 7 . BHOLA KHAN 8 . SWAPNIL SAURAV 9 . DR.MRS.T.BALAPANDEESWARI 10 . DR.A.SASI KUMAR 11 . MS.JAGRITI GUPTA 12 . MRS.V.ANITHA
TITLE OF INVENTION	ARTIFICIAL INTELLIGENCE-BASED APPROACH TO PREDICT THE STATISTICAL IMPACT OF INFLUENCERS FOR EXPANDING CLIENT BASE THROUGH INFLUENCER MARKETING TACTICS
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	sgowthami12@gmail.com
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Application Details

APPLICATION NUMBER	202341008062
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	08/02/2023
APPLICANT NAME	1 . KF Bharati 2 . Suman Dahiya 3 . Manjula Prabakaran 4 . Dr. Riyaz Ahmed Qureshi 5 . Indu Bala 6 . Ramesh Pandharinath Daund 7 . Dr.V.Savitha 8 . Dr D J Samatha Naidu 9 . Dr. V. Priya 10 . Ms. Jagriti Gupta 11 . Dr. Vijay Kumar Salvia 12 . Mohd Asif Shah
TITLE OF INVENTION	IMPLEMENTING ARTIFICIAL INTELLIGENCE-BASED TECHNIQUES FOR SOCIAL MEDIA MARKETING ANALYTICS WITH POTENTIAL USES EXPECTATIONS
FIELD OF INVENTION	COMPUTER SCIENCE
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PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	17/02/2023

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Application Details

APPLICATION NUMBER	202111041866
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	16/09/2021
APPLICANT NAME	1 . Dr.Kanika Sachdeva 2 . CA. Kamakshi Mehta 3 . Dr. Anita Sharma 4 . Dr. Pranav Mishra 5 . Dr. Nagendra Pal 6 . Mr Shiv Swaroop Jha 7 . Dr. Harikishni Nain 8 . Dr. Rashmi Singel 9 . CMA Dr. Kinnarry Thakkar 10 . Mr. Abhijit Nagnath 11 . Krushnavadan Ramjibhai Parmar 12 . Dr. Sayyad Mahejabin Dildar 13 . Dr Mohammed Abdul raffey 14 . Dr. Indrajeet Ramdas Bhagat
TITLE OF INVENTION	A METHOD FOR PREDICTING AN INVESTMENT BEHAVIOR BY ANALYSING AN EFFECT OF A GLOBAL EVENT ON A STOCK MARKET
FIELD OF INVENTION	COMPUTER SCIENCE
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E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	16/09/2021
PUBLICATION DATE (U/S 11A)	01/10/2021

Patent Search

Invention Title	A METHOD FOR PREDICTING AN INVESTMENT BEHAVIOR BY ANALYSING AN EFFECT OF A GLOBAL EVENT ON A STOCK MARKET
Publication Number	40/2021
Publication Date	01/10/2021
Publication Type	INA
Application Number	202111041866
Application Filing Date	16/09/2021
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	COMPUTER SCIENCE
Classification (IPC)	G06Q 40/06

Inventor

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CA. Kamakshi Mehta	Amity University Haryana Bhiwadi	India	Indi
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Krushnavadan Ramjibhai Parmar	Institute Name: College of Computer And Management Studies, Gandhinagar	India	Indi
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Applicant

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Application Details

APPLICATION NUMBER	202241001578
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	11/01/2022
APPLICANT NAME	1 . Dr. Shanmugam Sundararajan 2 . YOGITHA L J 3 . Dr. Naveen Nandal 4 . Dr. P. PARAMASIVAM 5 . Dr.G.VENGATESAN 6 . Dr.R.Sudha 7 . Dr Magdalene Peter 8 . Dr S Praveen Kumar 9 . N Md Faiyaz Ahmed 10 . Dr.P.SORUBARANI 11 . Dr. V.Kannan
TITLE OF INVENTION	Study on Foreign interests in the domestic tourism market
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	senanipindia@gmail.com
ADDITIONAL-EMAIL (As Per Record)	admin@senanip.com
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PRIORITY DATE	
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PUBLICATION DATE (U/S 11A)	04/02/2022

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

Design Application Details

Application Number:

370643-001

Cbr Number:

205848

Cbr Date:

12/09/2022 08:50:10

Applicant Name:

1. Dr. Deevanshu Shrivastava **2. Dr. Aarushi Kataria** **3. Ms. Anuradha**
4. Nisha Nandal **5. Gauraangi Praakash** **6. Dr. Sumin Prakash**
7. Dr. Namita Singh **8. Dr. Naveen Nandal** **9. Dr. Neelam Rani**

Design Application Status

Application Status:

Design Accepted and Published, Journal No is 51/2022 and Journal Date is 23/12/2022

Back (/DesignApplicationStatus/)

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

(59)

INTELLECTUAL PROPERTY INDIA

सत्यमेव जयते

ORIGINAL
क्रम सं/ Serial No. : 143329

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

डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No.	:	386727-001
तारीख / Date	:	22/05/2023
पारस्परिकता तारीख / Reciprocity Date*	:	
देश / Country	:	

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो *CARBON EMISSION CONTROLLER CHAMBER* से संबंधित है, का पंजीकरण, श्रेणी 23-04 में 1.Dr. Harshvardhan P. Ghongade 2. Dr. Akhilesh Kumar Mishra 3.Dr. Anjali Ashokrao Bhadre 4.Akash Malik 5.Arun Kumar 6.Mr. Mohit Gupta 7.Varsha Khetrapal Kumar 8.Mandeep Kaur के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 23-04 in respect of the application of such design to *CARBON EMISSION CONTROLLER CHAMBER* in the name of 1.Dr. Harshvardhan P. Ghongade 2. Dr. Akhilesh Kumar Mishra 3.Dr. Anjali Ashokrao Bhadre 4.Akash Malik 5.Arun Kumar 6.Mr. Mohit Gupta 7.Varsha Khetrapal Kumar 8.Mandeep Kaur.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्यधीन प्रावधानों के अनुसरण में।
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

SUSHANT UNIVERSITY SECTER-55, GURGAON

जारी करने की तिथि :
Date of Issue : 04/09/2023

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

*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार. अधिनियम एवं नियम के निबंधनों के अधीन. पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration. and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.

INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

सत्यमेव जयते

ORIGINAL
क्रम सं/ Serial No. : 157850

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

डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No. : 381220-001

तारीख / Date : 10/03/2023

पारस्परिकता तारीख / Reciprocity Date* :

देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो *COG THREADED DRIVER OF COASTER BRAKE HUB FOR BICYCLE* से संबंधित है, का पंजीकरण, श्रेणी 12-11 में 1.Dr. Poonam Tanwar 2. Dr. Rosy Madaan 3.Ms. Bindu Thakral 4.Ms. Diana Jeba Jingle 5.Mr. Daniel Francis Selvaraj. J 6.Mr. Yogesh Kumar के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 12-11 in respect of the application of such design to *COG THREADED DRIVER OF COASTER BRAKE HUB FOR BICYCLE* in the name of 1.Dr. Poonam Tanwar 2. Dr. Rosy Madaan 3.Ms. Bindu Thakral 4.Ms. Diana Jeba Jingle 5.Mr. Daniel Francis Selvaraj. J 6.Mr. Yogesh Kumar.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्यधीन प्रावधानों के अनुसरण में।
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

SUSHANT UNIVERSITY SECTOR-55 GURUGRAM

जारी करने की तिथि :
Date of Issue : 21/02/2024

हनाल श्री मंडिव
महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न
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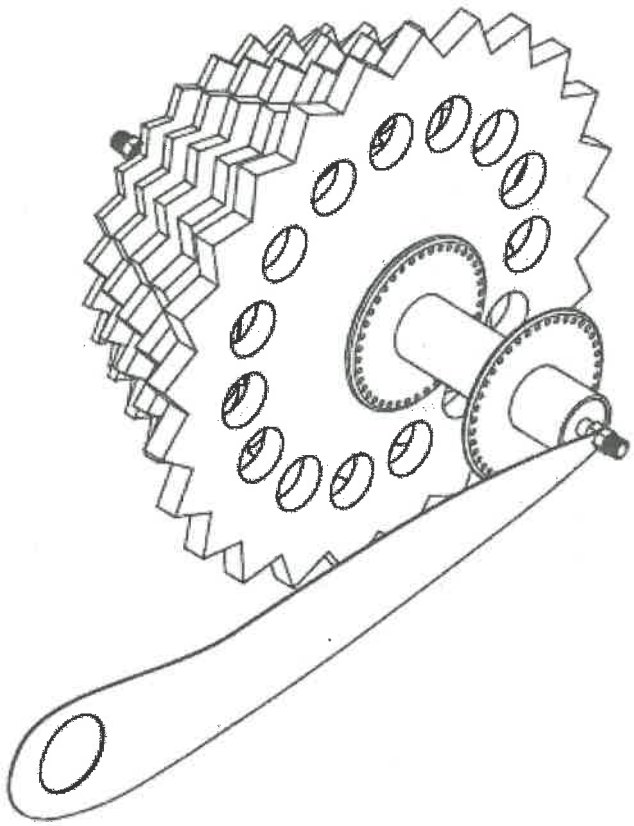
*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

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

Application Details

Design Application Details



Publication Image

Design Number:	381220-001
Filing Date:	10/03/2023 17:27:22
Article Name:	COG THREADED DRIVER OF COASTER BRAKE HUB FOR BICYCLE
Class:	12-11-CYCLES AND MOTORCYCLES
Journal Number:	08/2024
Journal Date:	23/02/2024 00:00:00

Applicant Detail

SUSHANT UNIVERSITY SECTOR-55, GURUGRAM

SUSHANT UNIVERSITY SECTOR-55, GURUGRAM

School of Engg & Technology
Sushant University
Sector-55, Gurugram

Design Number:	381220-001
Filing Date:	10/03/2023 17:27:22
Article Name:	COG THREADED DRIVER OF COASTER BRAKE HUB FOR BICYCLE
Class:	12-11-CYCLES AND MOTORCYCLES
Journal Number:	08/2024
Journal Date:	23/02/2024 00:00:00

Applicant Detail

Sl. No.	APPLICANT NAME	APPLICANT ADDRESS
1	Dr. Poonam Tanwar	Professor, Department of CSE, Manav Rachna International Institute of Research & Studies, Sector- 43, Aravali Hills, Delhi-Surajkund Road, Faridabad- 121004, Haryana, India.
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3	Ms. Bindu Thakral	Assistant Professor, School of Engineering and Technology, Sushant University, Gurgaon, Haryana, 122003, India.
4	Ms. Diana Jeba Jingle	Associate Professor, Department of CSE, Christ University, Hosur Main Road, Bhavani Nagar, S.G. Palya, Bengaluru, Karnataka, 560029, India.
5	Mr. Daniel Francis Selvaraj. J	Assistant Professor, Department of CTDS, INurture Education Solutions Pvt. Ltd., Srinivas University, Mangalore, Karnataka, 574146, India.
6	Mr. Yogesh Kumar	Assistant Professor, Department of CTDS, INurture Education Solutions Pvt. Ltd., Bangalore Karnataka-560052, India.

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Application Details

APPLICATION NUMBER	202431000104
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	01/01/2024
APPLICANT NAME	1 . Tanmoy Singha 2 . Dr. Tripti Khanduri 3 . Dr. Vaishali Gupta 4 . Varsha Khetrapal Kumar 5 . Dr Mukesh Kumar 6 . Ravi Kumar 7 . Dr Sneha Soni 8 . Dr. Sapna Yadav 9 . Dr. Nitin Verma 10 . Dr. Kaushik Shandilya 11 . Dr. Kamal Dhanda 12 . Mohit Gupta 13 . Monad University
TITLE OF INVENTION	Efficient Energy Management in Smart Buildings: A Convergence of Computer Science, Electronics, and Management
FIELD OF INVENTION	ELECTRONICS
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ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	19/01/2024

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Application Status

APPLICATION STATUS

Awaiting Request for Examination

View Documents

Filed → Published → RQ Filed → Under Examination → Disposed

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