

3.4.3 Number of Patents published / awarded during the last five years.			
Year	Name of the Patent	Number of Patents published	Number of Patent Awarded
2018-19			
2019-20			
2020-21	A compound with improved photostability under sunlight (IISc,Bangalore and Central University of Karnataka)	1	1
2021-22			
2022-23			



Head of the Department

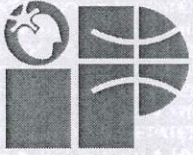
प्रोफेसर एवं अध्यक्ष / Professor & Head

रासायन विज्ञान विभाग / Department of Chemistry

रासायनिक विज्ञान विभाग / School of Chemical Sciences

कर्नाटक केन्द्रीय विश्वविद्यालय / Central University of Karnataka

कडगंची नुबर्गा जिला / Kadaganchi, Gulbarga Dist



INTELLECTUAL
PROPERTY INDIA

PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS



सत्यमेव जयते

भारत सरकार
GOVERNMENT OF INDIA

पेटेंट कार्यालय
THE PATENT OFFICE

पेटेंट प्रमाणपत्र
PATENT CERTIFICATE
(Rule 74 of The Patents Rules)

क्रमांक : 04
SL No :

3.43



पेटेंट सं. / Patent No. : 423245
आवेदन सं. / Application No. : 202041014450
फाइल करने की तारीख / Date of Filing : 31/03/2020
पेटेंटी / Patentee : 1. INDIAN INSTITUTE OF SCIENCE 2. CENTRAL
UNIVERSITY OF KARNATAKA

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाप्रकटित A COMPOUND WITH IMPROVED PHOTOSTABILITY UNDER SUNLIGHT नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख मार्च 2020 के इकतीसवें 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 COMPOUND WITH IMPROVED PHOTOSTABILITY UNDER SUNLIGHT as disclosed in the above mentioned application for the term of 20 years from the 31st day of March 2020 in accordance with the provisions of the Patents Act, 1970.



अनुदान की तारीख : 27/02/2023
Date of Grant :

डीन / DEAN
रासायनिक विज्ञान स्कूल
कर्नाटक केन्द्रीय विश्वविद्यालय
शुद्धगंगो, कर्नाटक
School of Chemical Sciences
Central University of Karnataka
Kalaburagi-585 367

पेटेंट नियंत्रक
Controller of Patent

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

Note. - The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on 31st day of March 2022 and on the same day in every year thereafter.

3.4.3 Number of Patents published/awarded during the last five years (10)

3.4.3.1: Total number of Patents published/awarded year wise during the last five years

Name of the Teacher	Patent Number	Title of the patent	Year of Award / publish of patent
Dr. Paramesh S.P	202241037763 A	1. IOT based LPG Gas level Detection System to save the expensive LPG resource	2022-23
Dr. Paramesh S.P	202341027872 A	2. ML And AI Based Technologies for Real-Time Signal Processing on Autonomous System	2022-23

अध्यक्ष / HEAD
इलेक्ट्रॉनिक्स और संचार अभियांत्रिकी विभाग
Dept. of Electronics and Communication Engineering
कर्नाटक केन्द्रीय विश्वविद्यालय / Kalaburagi University of Karnataka
कडगंची, कलबुर्गी / Kadaganchi, Kalaburagi-585 367

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341027872 A

(19) INDIA

(22) Date of filing of Application :17/04/2023

(43) Publication Date : 05/05/2023

(54) Title of the invention : ML And AI Based Technologies for Real-Time Signal Processing on Autonomous System

(71)Name of Applicant :

1)Dr Kumar P K

Address of Applicant :Department of CSE (MCA) Visvesvaraya Technological University, Center for Postgraduate Studies, Mysuru Karnataka, India 570029 Mysore -----

2)Renukaradya V

3)Anu S

4)Chaithanya bai N

5)Dr. Paramesh S. P

6)NAZIA SULTANA

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr Kumar P K

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5)Dr. Paramesh S. P

Address of Applicant :Department of Computer Science and Engineering, School Of Engineering, Central University of Karnataka Kalaburagi-585367 Gulbarga -----

6)NAZIA SULTANA

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(51) International classification :A61B 050205, G05D 010200, G06Q 100800, G06Q 300200, H04L 450000

(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

(57) Abstract :

The present invention ML And AI Based Technologies for Real-Time Signal Processing on Autonomous System The application of Machine Learning (ML) and Artificial Intelligence (AI) based technologies for real-time signal processing in autonomous systems is gaining a great amount of attention from academics and industrialists alike. Autonomous systems such as robotic vehicles and intelligent machines need to process large amounts of data in order to make decisions in real-time. ML and AI based techniques are being used to develop efficient and accurate signal processing algorithms that can be used in such systems. Our invention reviews the various approaches used for signal processing in autonomous systems, with a particular focus on ML and AI-based methods. The advantages and limitations of these approaches are discussed, and future research directions are suggested. The paper also outlines the potential of ML and AI-based approaches in improving the performance of autonomous systems.

No. of Pages : 8 No. of Claims : 5

अध्यक्ष / HEAD

इलेक्ट्रॉनिक्स और संचार अभियांत्रिकी विभाग
Dept. of Electronics & Communication Engineering

केन्द्रीय विश्वविद्यालय / Central University of Karnataka
काडुगंची, कलबुर्गी / Kaduganchi, Kalaburagi-585 367

The Patent Office Journal No. 18/2023 Dated 05/05/2023

34410

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241037763 A

(19) INDIA

(22) Date of filing of Application :30/06/2022

(43) Publication Date : 22/07/2022

(54) Title of the invention : IOT based LPG Gas level Detection System to save the expensive LPG resource

(51) International classification :G06Q0010020000, G01G0017040000, G01F0023380000, G01D0021020000, G08B0021180000

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

(87) International Publication No : NA

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

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

(71)Name of Applicant :

1)Dr. Ramya C

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2)Harish L

3)Paramesh S P

4)Savita Channagoudar

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr. Ramya C

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2)Harish L

Address of Applicant :Mr. Harish L Assistant Professor Department of Information Science and Engineering, CMR Institute of Technology Bengaluru- 560 037 -----

3)Paramesh S P

Address of Applicant :Mr. Paramesh S P Assistant Professor Department of Computer Science and Engineering, School of Engineering, Central University of Karnataka, Kalaburagi-585367 -----

4)Savita Channagoudar

Address of Applicant :Ms. Savita Channagoudar Assistant Professor Department of Information Science and Engineering, Sri Taralabalu Jagadguru Institute of Technology, Ranebennur-581115. -----

(57) Abstract :

Due to rapid development in technology, human life became easier in several aspects. LPG is a need of every human being and is widely used for cooking. Some of the common problems experienced during its usage are, leakage of LPG gas and the gas cylinders go empty while the peak cooking hours. In existing systems, IVRS was introduced due to the user's complaints regarding the landline phones of the distributors. Because they are not giving response to the users call or the call line is busy and also in the IVRS user required to follow the instructions according to their format which was very confusing process. ONLINE BOOKING is little time-consuming process and it required some knowledge about the messaging and internet. These entire tasks are difficult to the uneducated peoples and time consuming for busy schedule peoples. Mostly users are not able to guess the level of LPG gas in cylinder. So booking was not done within time and user required to wait for a new cylinder which creates a difficulty to the user. So IVRS, ONLINE BOOKING and SMS are time consuming processes for gas booking. Automatic monitoring of leakage gas is done by gas sensor which is interfaced with ARM. When gas is detected, motor will be turn on and it immediately turn off the gas regulator at the same time we inform the user about the gas leakage by sending the SMS, turning on the buzzer and also message displaying on LCD. In auto gas booking we continuously measure the amount of gas which is present in the cylinder. When gas level goes below the set level then message will be sent to the gas agency through GSM and confirmation message received by the user from gas agency. So, user get cylinder within time. In this proposed system, we fixed a pressure sensor for monitoring the weight of LPG cylinder time to time. Gas leakage will be detected using gas sensor MQ-2. An Android App will be provided to end users so that the users will have live monitoring of LPG Gas Level, temperature and SMS notification like gas level, gas status and booking confirmation.

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

The Patent Office Journal No. 29/2022

अध्यक्ष / HEAD

Dated: 22/07/2022

इलेक्ट्रॉनिक्स और संचार विभाग

Dept. of Electronics & Communication Engineering

कर्नाटक केंद्रिय विश्वविद्यालय / Central University of Karnataka

कडगंची, कलबुर्गी / Kadaganchi, Kalaburagi-585367

45824

3.4.3 Number of Patents published/awarded during the last five years (10)

3.4.3.1: Total number of Patents published/awarded year wise during the last five years

Name of the Teacher	Patent Number	Title of the patent	Year of Award / publish of patent
2018-19			
NIL			
2019-20			
NIL			
2020-21			
Dr. Rajeev Joshi	2021102726	Process for Synthesizing Y-Doped ZnO Nanoparticles and Fabricating Gas Sensor for Detecting Ammonia	2021
2021-22			
NIL			
2022-23			
NIL			



Australian Government

IP Australia

3.4.3

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021102726

The Commissioner of Patents has granted the above patent on 9 February 2022, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Vinayak Adimule of No. 50, C/O S Shivakumar, 5th Cross Bhagyanagar Belagavi, Karnataka 590008 India

Basappa C. Yallur of No 103, Natures Nest Apartment, Chikkabettahalli Hesargatta Main Road, Next to SBI Vidyaranyaपुरa Post, Bengaluru, Karnataka 560097 India

Santosh S. Nandi of H. No 244/39, Tashildar Galli Belagavi Karnataka 590001 India

Title of invention:

PROCESS FOR SYNTHESIZING Y-DOPED ZnO NANOPARTICLES AND FABRICATING GAS SENSOR FOR DETECTING AMMONIA

Name of inventor(s):

Adimule, Vinayak; Revaigh, M.G. and Adarsha, H.J.

Term of Patent:

Eight years from 21 May 2021

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



वेभागाध्यक्ष / HEAD

/ Department of Physics

भौतिक विज्ञान स्कूल / School of Physical Sciences

कर्नाटक केन्द्रीय विश्वविद्यालय / Central University of Karnataka

कादाचि कलापुरा / Kadachchi Kalapur

Dated this 9th day of February 2022

Commissioner of Patents

PATENTS ACT 1990

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

Received on
13/2/24,

3.4.3 Number of Patents published/awarded during the last five years (10)

3.4.3.1: Total number of Patents published/awarded year wise during the last five years

Name of the Teacher	Patent Number	Title of the patent	Year of Award / publish of patent
Dr. Naveen Kumar T G	202211040792A	The Impact of Tourism and Its Related Companies Development In India	2022

2021-22

पेटेंट कार्यालय
शासकीय जर्नल

OFFICIAL JOURNAL
OF
THE PATENT OFFICE

निर्मिन सं. 29/2022
ISSUE NO. 29/2022

शुक्रवार
FRIDAY

दिनांक: 22/07/2022
DATE: 22/07/2022

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

The Patent Office Journal No. 29/2022 Dated 22/07/2022
Head of Hotel Management
Dept. of Tourism and Hotel Management
School of Business Studies
Central University of Karnataka
KALABURAGI - 585 367

45512

FORM-3
THE PATENTS ACT, 1970
 (39 of 1970)
 &
THE PATENTS RULES, 2016
STATEMENT AND UNDERTAKING UNDER SECTION 8
 (See Section 8, rule 12)

We,

S.No.	Name	Nationality	Address
1	Ms.PRACHI	Indian	ASSISTANT PROFESSOR , DEPARTMENT OF HOTEL MANAGEMENT , MANAV RACHNA INTERNATIONAL INSTITUTE OF RESEARCH AND STUDIES, FARIDABAD
2	Dr. Naveen Kumar T G	Indian	Assistant Professor Tourism and Hotel Management Central University of Karnataka Kalaburagi 585311
3	Dr .A.Balamurugan	Indian	Professor, Management Studies , Bharath Institute of Higher Education and Research , Tambaram ,Chennai,
4	Dr Syed Gous	Indian	Associate Professor, School of Hospitality and Tourism Studies D Y Patil University Navi Mumbai
5	Dr. Somdip Majumdar	Indian	Faculty (State Aided College Teacher), Post Graduate Department of Sericulture, Krishnath College, Berhampore
6	Dr. Nitin Vinayak Gaikwad	Indian	Assistant Professor, Geography, Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalaya, Sangli
7	Dr. Yashodhan Prakash Mahajan	Indian	Head department of Accountancy, Accountancy, Brihan Maharashtra College of Commerce, Pune
8	Ms.C.SHALINI	Indian	Assistant Professor, Management Studies, Mohamed Sathak Engineering College, Kilakarai, Ramanathapuram

9	Mr.J Logeshwaran	Indian	Research Scholar, Department of Electronics and Communication Engineering, Sri Eshwar College of Engineering, Coimbatore
10	Mr. KANNAADASAN B	Indian	Assistant Professor , Depaertment of Civil Engineering , B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai
11	Dr. V.Kannan	Indian	Managing director, CLDC Research and Development No.997, Mettupalayam Road, Near X-Cut Signal, R.S.Puram, Coimbatore-641002

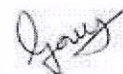
do hereby declare that,

(i) that I/we have not made any application for this application No. 202211040792 A dated 16th July 2022 the same/substantially the same invention outside India.

(ii) that the rights in the application(s) has/have been assigned to no one

(iii) that I undertake that up to the date of acceptance of the complete specification by the Controller, I would keep him informed in writing the details regarding corresponding applications for patents filed outside India within six months from the date of filing such application.

Dated this 16th July 2022



Gaurav Singhal
IN/PA 1426

Agent for the applicant

To
The Controller of Patents
The Patent Office, Delhi



Head
Dept. of Tourism and Hotel Management
School of Business Studies
Central University of Karnataka
KALABURAGI - 585 367

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211040792 A

(19) INDIA

(22) Date of filing of Application :16/07/2022


(43) Publication Date : 22/07/2022

(54) Title of the invention : THE IMPACT OF TOURISM AND ITS RELATED COMPANIES DEVELOPMENT IN INDIA

<p>(51) International classification :G06Q0050140000, G06Q0010040000, G09B0029000000, G06F0003010000, G06F0040247000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Ms.PRACHI Address of Applicant :ASSISTANT PROFESSOR , DEPARTMENT OF HOTEL MANAGEMENT , MANAV RACHNA INTERNATIONAL INSTITUTE OF RESEARCH AND STUDIES, FARIDABAD , -----</p> <p>2)Dr. Naveen Kumar T G 3)Dr .A.Balamurugan 4)Dr Syed Gous 5)Dr. Somdip Majumdar 6)Dr. Nitin Vinayak Gaikwad 7)Dr. Yashodhan Prakash Mahajan 8)Ms.C.SHALINI 9)Mr.J Logeshwaran 10)Mr. KANNAADASAN B 11)Dr. V.Kannan Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Ms.PRACHI Address of Applicant :ASSISTANT PROFESSOR , DEPARTMENT OF HOTEL MANAGEMENT , MANAV RACHNA INTERNATIONAL INSTITUTE OF RESEARCH AND STUDIES, FARIDABAD , -----</p> <p>2)Dr. Naveen Kumar T G Address of Applicant :Assistant Professor Tourism and Hotel Management Central University of Karnataka Kalaburagi 585311 -----</p> <p>3)Dr .A.Balamurugan Address of Applicant :Professor, Management Studies , Bharath Institute of Higher Education and Research , Tambaram ,Chennai, -----</p> <p>4)Dr Syed Gous Address of Applicant :Associate Professor, School of Hospitality and Tourism Studies D Y Patil University Navi Mumbai -----</p> <p>5)Dr. Somdip Majumdar Address of Applicant :Faculty (State Aided College Teacher), Post Graduate Department of Sericulture, Krishnath College, Berhampore -----</p> <p>6)Dr. Nitin Vinayak Gaikwad Address of Applicant :Assistant Professor, Geography, Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalaya, Sangli -----</p> <p>7)Dr. Yashodhan Prakash Mahajan Address of Applicant :Head department of Accountancy, Accountancy, Brihan Maharashtra College of Commerce, Pune -----</p> <p>8)Ms.C.SHALINI Address of Applicant :Assistant Professor, Management Studies, Mohamed Sathak Engineering College, Kilakarai, Ramanathapuram -----</p> <p>9)Mr.J Logeshwaran Address of Applicant :Research Scholar, Department of Electronics and Communication Engineering, Sri Eshwar College of Engineering, Coimbatore -----</p> <p>10)Mr. KANNAADASAN B Address of Applicant :Assistant Professor , Depaertment of Civil Engineering , B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai -----</p> <p>11)Dr. V.Kannan Address of Applicant :Managing director, CLDC Research and Development No.997, Mettupalayam Road, Near X-Cut Signal,R.S.Puram, Coimbatore-641002 -----</p>
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(57) Abstract :
Tourism is travel for pleasure or business; Theory and practice of touring, the business of attracting, accommodating and entertaining tourists and the business of operating tours. Tourism can be international or within the traveller's country. The World Tourism Organization defines tourism more broadly as beyond the general concept of tourism as limited to holiday activities, where people travel to and stay in places outside their usual environment for not more than one consecutive year for leisure, business and other purposes. Tourism can be domestic or international, and international tourism has both inbound and outbound impacts on a country's balance of payments. Today, tourism is a major source of income for many countries, and affects the economies of both source and host countries, in some cases significantly. The term tourism can refer to tourism behavior or a social phenomenon including tourism related events. When understood as tourism behavior, in a narrow sense, seeing and experiencing the scenery, customs and cultural objects of other countries and regions, and in a broader sense, it is almost synonymous with sightseeing trips, and travel for the purpose of pleasure in general. Point out. The English language for tourism is tourism, but strictly speaking, the concept of tourism is broader than tourism, all trips temporarily leaving the sphere of everyday life. To refers to events associated with it.

No. of Pages : 9 No. of Claims : 7


 The Patent Office Journal No. 29/2022 Dated 22/07/2022
 Head
 Dept. of Tourism and Hotel Management
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 Central University of Karnataka
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