



SRI SIDDHARTHA ACADEMY OF HIGHER EDUCATION

(DEEMED TO BE UNIVERSITY)

Declared under Section 3 of the UGC Act, 1956, MHRD GOI No. F.9-31/2006-U.3 (A) dated: 30/05/2008

Accredited 'A' Grade by NAAC

Agalakote, B.H.Road, Tumkur – 572 107.KARNATAKA, INDIA.

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3.4.3 Number of Patents/Copyrights published/awarded/technology-transferred during the last five years

Sl.no	Name of the Patent Holder / Copyright awardee	Patent/Copyright Number	Title of the patent/Copyright	Year patent was awarded and Published
1	Principal, Sri Siddhartha Institute of Technology, Tumakuru	Application No: 201841002289	Conceptual Design and Development of Injected Two Stroke Cycle SI-Engine with Improved Scavenging	2018
2	Principal, Sri Siddhartha Institute of Technology, Tumakuru	Application No: 751/CHE/2010 Patent No.: 319188 Date of Grant: 27.8.2019	Piston for creating turbulence in a combustion chamber	2019
3	H.V. Jayaprakash Asst. Professor Department of Chemistry, Sri Siddhartha Institute of Technology, Maralur, Tumkur Kamataka 572105 India	Application No 333726-001	Development of Machine Learning Based Smart Electric Vehicle Battery Management System	2020

<https://sahe.in/patent.html>

4	H.V. Jayaprakash Asst. Professor Department of Chemistry, Sri Siddhartha Institute of Technology, Maralur, Tumkur Kamataka 572105 India	Patent number: 2021101684	Deep Learning Based Real Time Smart Detection Of Accident Victims On Highways	2021
5	H.V. Jayaprakash Asst. Professor Department of Chemistry, Sri Siddhartha Institute of Technology, Maralur, Tumkur Kamataka 572105 India	Application No 1185360	Effect of Heat Transfer Performance of Pulsating Heat Pipe by Using Different Nanofluid	2021
6	Dr C D Guruprakash Professor Department of CSE, Sri Siddhartha Institute of Technology, Maralur, Tumkur Kamataka 572105 India	Application No 202141001792	Food Safety Warning System	2021
7	Dr Sujatha S R and Prof. Babitha M N Department of CSE, Sri Siddhartha Institute of Technology, Maralur, Tumkur Kamataka 572105 India	Application No 202141009484	System to Monitor Temperature of Granary Using Narrowband Internet of Things (IOT)	2021
8	Prof. Lokesh R, Sahana Department of CSE, Sri Siddhartha Institute of Technology, Maralur, Tumkur Kamataka 572105 India	Application No 2021100771	Intelligent Pen Drive: Highest data Security (Auto Data store your gmail and link share your mobile no.) using AI- Based Programming	2021

9	Dr N L Udaykumar Department of CSE, Sri Siddhartha Institute of Technology, Maralur, Tumkur Kamataka 572105 India	Application No 202141010180	Virtual Machine Monitoring and Management System	2021
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Agalakote, B.H.Road, Tumkur – 572 107.KARNATAKA, INDIA.

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Australian Government

IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021101684

The Commissioner of Patents has granted the above patent on 5 May 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

R. Krishnamoorthy of Sree Sastha Institute of Engineering & Technology Chennai 6000123 India

H.V. Jayaprakash of Asst. Professor, Department of Chemistry, Sri Siddhartha Institute of Technology, Maralur Tumkur Karnataka 572105 India

Lakshmi P of Associate Professor, Department of Business Administration, Vidyavardhaka College of Engineering Mysuru Karnataka India

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Prerana Chaithra of Associate Professor, Visveswaraya Technological University Bengaluru Karnataka India

Shantharam Nayak of Professor And Principal Advisor, Visveswaraya Technological University Bengaluru Karnataka India

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Mahesh Kumar A S of Assistant Professor, Department Of ECE, PES College Of Engineering Mandya Karnataka 571401 India

Title of invention:

DEEP LEARNING BASED REAL TIME SMART DETECTION OF ACCIDENT VICTIMS ON HIGHWAYS

Name of inventor(s):

Krishnamoorthy, R.; Jayaprakash, H. V.; P., Lakshmi; Srikanth, Abhiram; K. R., Shobha; Chaithra, Prerana; Nayak, Shantharam; Patil, Pramod V.; Kapula, Prabhakara Rao; Ambore, Bhagyashree and A. S., Mahesh Kumar

Term of Patent:

Eight years from 1 April 2021



Dated this 5th day of May 2021

Commissioner of Patents

PATENTS ACT 1990

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



Australian Government
IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021101684

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



Dated this 5th day of May 2021

Commissioner of Patents

PATENTS ACT 1990

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



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The links on the text provide access to the help file.

Title:

Effect of Heat Transfer Performance of Pulsating Heat Pipe by Using Different Nanofluid

Type:

Copyright

Registration Number:

1185360

Status:

Registered

Registered:

2021-08-24

Category of Work:

Literary

Interested Parties:

Owner:

Person Name

Mr. Chiranth K N

Original Address:

Freelance Researcher , Chemical Engineering Department, Dayananda Sagar College of Engineering (Biolim Labs) Bengaluru
India

Current Address:

Same as original address.

Person Name

Design Application Details

Application Number: 333726-001
Cbr Number: 17513
Cbr Date: 29/09/2020 13:32:23
Applicant Name: 1. Dr. Pruthviraj R D,
 2. Dr. Krupakara P V,
 3. Dr. Vishwanath K C,
 4. Dr. N Sreenivasulu Reddy,
 5. Dr. H V Jayaprakash,
 6. Dr. Ashok S D,

Design Application Status

Application Status: Design Accepted and Published, Journal No is 45/2021 and Journal Date is 05/11/2021

[Back](#)

Design Application Details



Design Number: 333726-001
Filing Date: 29/09/2020 13:32:23
Article Name: FOUR-STROKE PETROL ENGINE PISTON
Class: 15-01-ENGINES
Journal Number: 45/2021
Journal Date: 05/11/2021 00:00:00

Applicant Detail

Sl. No.	APPLICANT NAME	APPLICANT ADDRESS
1	Dr. Pruthviraj R D,	Associate Professor, Department of Chemistry, RajaRajeswari College of Engineering, Ramohalli cross, Mysore Road, Bangalore-560074,
2	Dr. Krupakara P V,	Professor & Vice Principal, Department of chemistry, Cambridge Institute of Technology, North Campus, Bangalore
3	Dr. Vishwanath K C,	Associate Professor, Department of Mechanical Engineering, RajaRajeswari College of Engineering, Ramohalli cross, Mysore Road, Bangalore
4	Dr. N Sreenivasulu Reddy,	Associate Professor, Department of Mechanical Engineering, RajaRajeswari College of Engineering, Ramohalli cross, Mysore Road, Bangalore
5	Dr. H V Jayaprakash,	Assistant Professor, Department of Chemistry Sri Siddhartha Institute of Technology, Marlu, Tumkur
6	Dr. Ashok S D,	Assistant Professor, Department of Chemistry, Global Academy of Technology, Rajarajeswari Nagar, Bangalore



Government of India
Ministry of Commerce & Industry
Department of Industrial Policy & Promotion
Controller General of Patents Design & Trade Marks

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



Docket No 32858

Date/Time 2021/04/15 22:08:48

CBR Detail:

Sr. No.	Ref. No./Application No.	App. Number	Amount Paid	C.B.R. No.	Form Name	Remarks
1	R20214013282	202141017641	4000	13928	FORM 18	
2	E-12/1493/2021/CHE	202141017641	2500	13928	FORM 9	---
3	202141017641	TEMP/E-1/19534/2021-CHE	1600	13928	FORM 1	DEVELOPMENT OF MACHINE LEARNING BASED SMART ELECTRIC VEHICLE BATTERY MANAGEMENT SYSTEM

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202141017641 A

(19) INDIA

(22) Date of filing of Application :15/04/2021

(43) Publication Date : 23/04/2021

(54) Title of the invention : DEVELOPMENT OF MACHINE LEARNING BASED SMART ELECTRIC VEHICLE BATTERY MANAGEMENT SYSTEM

(51) International classification	:G01R0031367000, G06N0020000000, G06Q0050300000, G01R0031392000, B60L0058160000	(71)Name of Applicant : 1)Dr. Vaddi Ramesh,Golden Valley Integrated Campus Address of Applicant :Associate Professor & Dean Research and Development , Department of Electrical & Electronics Engineering and Management Studies, Golden Valley Integrated Campus Kadiri Road, Angallu Post, Madanapalle, Chittoor, Andhra Pradesh India 517325 Andhra Pradesh India 2)Lt.Dr.H.V. Jayaprakash,Sri Siddhartha Institute of Technology 3)N Bharath Kumar,Vignan's Foundation for Science Technology and Research 4)Mr. T CH Anil Kumar,VFSTR (Deemed To Be University) 5)Dr. TG Manjunath,Sai Vidya Institute of Technology 6)Praveen BR,Sai Vidya Institute of Technology 7)Radhika Baskar,Saveetha Institute of Medical and Technical Sciences 8)Chandrashekara M. S,JSS Academy of Technical Education 9)Maaz Allah Khan,UIET, Babasaheb Bhimrao Amedkar university 10)Imran Khan,UIET, Babasaheb Bhimrao Amedkar university 11)Rajesh A S 12)Mr. Salem Mohammed Batiyah,Yanbu Industrial College
(31) Priority Document No	:NA	(72)Name of Inventor : 1)Dr. Vaddi Ramesh,Golden Valley Integrated Campus 2)Lt.Dr.H.V. Jayaprakash,Sri Siddhartha Institute of Technology 3)N Bharath Kumar,Vignan's Foundation for Science Technology and Research 4)Mr. T CH Anil Kumar,VFSTR (Deemed To Be University) 5)Dr. TG Manjunath,Sai Vidya Institute of Technology 6)Praveen BR,Sai Vidya Institute of Technology 7)Radhika Baskar,Saveetha Institute of Medical and Technical Sciences 8)Chandrashekara M. S,JSS Academy of Technical Education 9)Maaz Allah Khan,UIET, Babasaheb Bhimrao Amedkar university 10)Imran Khan,UIET, Babasaheb Bhimrao Amedkar university 11)Rajesh A S 12)Mr. Salem Mohammed Batiyah,Yanbu Industrial College
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	:NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In the current decade, electric vehicles have attracted human community due to low cost of operation and maintenance but it can provide optimal performance only by smart management of battery. This invention focuses on machine learning technology for developing a self-reconfigurable, flexible and reliable model for battery management of electric vehicles. This work gives significant solution for the issues of battery management in electric vehicles based on the integration of concept of artificial intelligence with grid connected vehicle. Firstly, Cyber Physical system (CPS) is utilized for managing the issues of battery management then a classical artificial intelligence algorithm - support vector regression (SVR) algorithm is utilized for establishing a precise model of battery in cloud. Finally battery degradation quantification is done based on rain-flow cycle counting algorithm for dealing with issues related to aging of battery based on the model of the battery.

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

Application Details

APPLICATION NUMBER	202141001792
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	14/01/2021
APPLICANT NAME	1 . Chetan.V. Sagarnal 2 . Dr.Basavaraj S. Anami 3 . Dr. Pradeep K R 4 . Mr. Ashoka S 5 . Mrs. Swetha P 6 . Dr.Guruprakash C D 7 . VEERANNA A KOTAGI
TITLE OF INVENTION	FOOD SAFETY WARNING SYSTEM
FIELD OF INVENTION	COMMUNICATION
E-MAIL (As Per Record)	chetan.sagarnal@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	22/01/2021

Application Status

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202141001792 A

(19) INDIA

(22) Date of filing of Application :14/01/2021

(43) Publication Date : 22/01/2021

(54) Title of the invention : FOOD SAFETY WARNING SYSTEM

(51) International classification :G06Q
30/00
(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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Address of Applicant : Asst.Professor, Dept. of ECE , K L E
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2)Dr.Basavaraj S. Anami

3)Dr. Pradeep K R

4)Mr. Ashoka S

5)Mrs. Swetha P

6)Dr.Guruprakash C D

7)VEERANNA A KOTAGI

(72)Name of Inventor :

1)Chetan.V. Sagarnal

2)Dr.Basavaraj S. Anami

3)Dr. Pradeep K R

4)Mr. Ashoka S

5)Mrs. Swetha P

6)Dr.Guruprakash C D

7)VEERANNA A KOTAGI

(57) Abstract :

A food safety alert system, comprising an information acquisition module, a risk evaluation and warning terminals, is revealed in the utility model. The model of acquisition of information gathers information from scent sensors and from the moment of insects around the food from camera sensors. The Risk Assessment Module warns with signals at higher risk levels. User terminals are composed of contact terminals and are used to collect information on food safety.

No. of Pages : 10 No. of Claims : 3



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



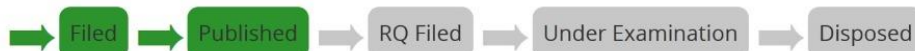
Application Details

APPLICATION NUMBER	202141009484
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	07/03/2021
APPLICANT NAME	1 . Dr. Aravinda H.S. 2 . Dr. D. Mahesh Kumar 3 . Dr. Thejaswini P. 4 . Prof. Anu H. 5 . Mr. Abhilash Manu 6 . Dr. Sujatha S.R. 7 . Prof. Babitha M.N. 8 . Dr. Manjula Sanjay Koti 9 . Dr. Pavithra G. 10 . Dr. T.C.Manjunath
TITLE OF INVENTION	SYSTEM TO MONITOR TEMPERATURE OF GRANARY USING NARROWBAND INTERNET OF THINGS (IOT)
FIELD OF INVENTION	ELECTRONICS
E-MAIL (As Per Record)	1990uditmamodiya@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	12/03/2021

Application Status


APPLICATION STATUS **Awaiting Request for Examination**

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Patent search - Google Search x Intellectual Property India x +

ipindiaservices.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus



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



INTELLECTUAL
PROPERTY INDIA
BODHI GATE TO KNOWLEDGE

Application Details	
APPLICATION NUMBER	202141010180
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	11/03/2021
APPLICANT NAME	1. Dr. Udayakumar N L (Assistant Professor) 2. Harish G N (Lecturer) 3. Prof. (Dr.) Beg Raj (Director) 4. Mr. Pawan Kumar Singh 5. Miss. Pari Nidhi Singh 6. Prof. (Dr.) Biplab Kumar Sarkar (International Patent Motivational Speaker)
TITLE OF INVENTION	VIRTUAL MACHINE: VIRTUAL MACHINE MONITORING AND MANAGEMENT SYSTEM.
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	dr.bksarkar2003@yahoo.in
ADDITIONAL-E-MAIL (As Per Record)	dr.bksarkar2003@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	-
PUBLICATION DATE (U/S 11A)	26/03/2021

Application Status	
APPLICATION STATUS	Awaiting Request for Examination

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Application Details

2021100771

: Intelligent Pen Drive: Highest data Security (Auto Data store your gmail and link share your mobile no.) using AI- Based Programming

BIBLIOGRAPHIC DATA

Application details

Australian application number	2021100771	Patent application type	Innovation	
Application status	ACCEPTED	Paid to date	2023-02-08	First IPC Mark
Currently under opposition	No	Proceeding type(s)		
Invention title	Intelligent Pen Drive: Highest data Security (Auto Data store your gmail and link share your mobile no.) using AI- Based Programming			
Inventor(s)	Dw ivedi, R. K. ; Lokesh R, Sahana ; Sharma, Anu ; Jain, Arun ; Parashar, Anshu ; Soni, Anish ; Singh, Sukhdev ; Pandey, Shivani ; Jindal, Rupesh Kumar ; Garg, Amit			
Agent name	Dw ivedi, R. K DR	Address for legal service	8/74 Haw don street Heidelberg Melbourne VIC 3084 Australia	
Filing date	2021-02-08	Australian OPI date		OPI published in journal
Effective date of patent	2021-02-08	Expiry date	2029-02-08	
Additional/Divisional application number		Additional/Divisional relationship		

Applicant details

IPC details

Priority details

Associated provisional(s)

SPECIFICATION/E-REGISTER

A link to this specification is not available in AusPat.

Explanation of
Specification Codes

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

EDOSSIER

LIFECYCLE DETAILS

Early termination details

Exam details

Acceptance details

Acceptance date 2021-04-01

Certification details

Final certification date	Certified date	Certified published date
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Granting details

Deferment of granting	Granting date	Granted published date
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Extension of time

Status	Type
From date	To date
Application filing date	Application published date
Allowance date	Allowance published date

Conversion details

Date converted	Application type	
From application number	Application type	Application status
To application number		

FEE/PUBLICATION HISTORY

OWNERSHIP DETAILS

Change of ownership

Licence details

Mortgage details

OPPOSITIONS, DISPUTES & AMENDMENTS

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