

Innovation Patent

Patent no: 2020102967

Patentee(s):

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Inventor(s):

D., JAYABALAKRISHNAN
P., PRABHU
K., BHASKAR
S., SENDILVELAN
G., RAMESH
A., BALASUBRAMANIAN
S., GEETHA
N., KANYA
HARI, RAJESWARY
M, GANESAN
M, PRABHAHAR
K., GOMATHI

Title:	A PARALLEL – SERIES ELECTRIC HYBRID VEHICLES BASED ON GEOMETRY FORMULATION
Term:	Eight years from 22 October 2020
Date Granted:	9 December 2020
Date Certified:	
Date of Patent:	22 October 2020
Status:	GRANTED
Expiry Date:	22 October 2028
Date Ceased:	
Date Revoked:	

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2020102967

The Commissioner of Patents has granted the above patent on 9 December 2020, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

JAYABALAKRISHNAN D. of Associate professor and Head, Department of Mechanical Engineering, Sriram Engineering College Perumalpattu Tamil Nadu 602024 India

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SENDILVELAN S of Dean (Engineering and Technology), Dr.M.G.R. Educational and Research, Institute Maduravoyal, Chennai Tamil Nadu 600 095 India

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GANESAN M of Professor and Head, Department of Mechanical Engineering,, Dr. M.G.R. Educational and Resea Institute Maduravoyal, Chennai-600095, Tamil Nadu India

PRABHAHAR M of Professor, Department of Mechanical Engineering, Aarupadai Veedu Institute of Technology Vinayaka Missions Research Foundation (Deemed to be University) ,Paiyanoor, Chennai Tamil Nadu India

GOMATHI K of Professor, Department of Biotechnology, Dr.M.G.R. Educational and Research Institute Maduravoyal, Chennai-600095, Tamil Nadu India

Title of invention:

A PARALLEL – SERIES ELECTRIC HYBRID VEHICLES BASED ON GEOMETRY FORMULATION

Name of inventor(s):

D., JAYABALAKRISHNAN; P., PRABHU; K., BHASKAR; S., SENDILVELAN; G., RAMESH; A., BALASUBRAMANIAN; S., GEETHA; N., KANYA; HARI, RAJESWARY; M., GANESAN; M., PRABHAHAR and K., GOMATHI

Dated this 9th day of December 2020

Commissioner of Patents

Department of Information Technology

Key Indicator-3.4.3 Research Publications and Awards(10)-Number of Patents published/awarded

6





Australian Government

IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2020102967

Term of Patent:

Eight years from 22 October 2020

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



Dated this 9th day of December 2020

Commissioner of Patents

Department of Information Technology

Key Indicator-3.4.3 Research Publications and Awards(10)-Number of Patents published/awarded

7

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: 2020103161

The Commissioner of Patents has granted the above patent on 16 December 2020, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

HARIBABU K of Department of Mechanical Engineering, SCAD College of Engineering and Technology
Cheranmahadevi, Tirunelveli-627414 Tamil Nadu India

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Research Institute, Poonamallee High Road Maduravoyal, Chennai - 600 095. Tamil Nadu India

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JAYARAJAN J of Department of Electrical and Electronics, Engineering, Dr. M.G.R. Educational and Research
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BHUVANESWARI S of Department of Electrical and Electronics, Engineering, Dr. M.G.R. Educational and
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BALAJI V of No:9, Second main road, Lakshmipuram Extension West Tambaram, Chennai. Tamilnadu 600045
India

M.D. RAJKAMAL of Department of Mechanical Engineering,, Velammal Institute of Technology,, Velammal
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KALIAPPAN S of S/O P.Seeniappan, No.8, F3, SAI KRISHH Apartment, 2nd Main, Road, 2nd Layout, Teachers
Colony Lakshmipuram, Kolathur, Chennai-600 099 Tamil Nadu India

Title of invention:

AN NOVEL METHOD FOR A SMART CAR - ARTIFICIAL INTELLIGENCE BASED AUTONOMOUS STEERING
CONTROL SYSTEM WITH VOICE ASSISTANCE

Name of inventor(s):

K, HARIBABU; E, SHEEBA PERCIS; A, NALINI; T, JENISH; J, JAYARAJAN; S, BHUVANESWARI; V.G,
GANESAN; V.C., UVARAJA; K., ARUMUGAM; V, BALAJI; S, .KALIAPPAN and S, KALIAPPAN

Dated this 16th day of December 2020

Commissioner of Patents

Department of Electrical and Electronics Engineering

Key Indicator-3.4.3 Research Publications and Awards(10)-Number of Patents published/awarded



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: 2020103161

Term of Patent:

Eight years from 1 November 2020

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



Dated this 16th day of December 2020

Commissioner of Patents

Department of Electrical and Electronics Engineering
Key Indicator-3.4.3 Research Publications and Awards(10)-Number of Patents published/awarded

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.



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

Application Details

APPLICATION NUMBER	202041030263
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	16/07/2020
APPLICANT NAME	1 . Dr.Ch.Sreedhar 2 . Mr.S.Govindarajan 3 . Mr.Raushan Kumar Singh 4 . Dr.V.Sivabharathi 5 . Dr.K.R.Vijayakumar 6 . Dr.J.Jayaseelan 7 . Ms.Chandla Ellis 8 . Dr.Ram Subbiah 9 . Dr.N.Sateesh 10 . Dr.J.Saranya 11 . Mr.H.Manikandan 12 . Mr.N.Nagarajan 13 . Dr.M.Ramarao 14 . Dr.R.Delshi Howsalaya Devi
TITLE OF INVENTION	IOT BASED INTELLIGENT SOLAR WATER HEATER
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	nagu.sajana@gmail.com
ADDITIONAL-EMAIL (As Per Record)	nagu.sajana@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	07/08/2020

Application Status

Department of Mechanical Engineering

Key Indicator 3.4.3 Research Publications and Awards (10) Number of Patents published/awarded

31

APPLICATION STATUS

Awaiting Request for Examination

View Documents

➡

Filed

➡

Published

➡

RQ Filed

➡

Under Examination

➡

Disposed



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

Application Details

APPLICATION NUMBER	202041035348
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	17/08/2020
APPLICANT NAME	1 . Dr. S. JAYAKRISHNA 2 . Dr.M.RAMARAO 3 . Mr.B.HARISH RAJ 4 . Mr.VENKATAKOTI REDDY GOPI REDDY 5 . T.SANKARAMOORTHY 6 . Dr. T. SENTHIL VADIVEL 7 . Dr. V.THANIGAIVELAN 8 . Dr.K.R VIJAYAKUMAR 9 . Dr.V.SIVABHARATHI 10 . Dr.NARASIMHAN 11 . Dr.R.SURESH 12 . Dr.ANBZHAGAN 13 . S.PRANAVAN
TITLE OF INVENTION	A SYSTEM AND METHOD OF GRAVITATIONAL TRANSPORTATION BETWEEN HILLS / BUILDINGS THROUGH TELESCOPIC HYDRAULIC SYSTEM
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	patent@inanseip.com
ADDITIONAL-EMAIL (As Per Record)	patent@inanseip.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	04/09/2020

Department of Mechanical Engineering

Application Status

33

Key Indicator-3.4.3 Research Publications and Awards(10)-Number of Patents published/awarded

APPLICATION STATUS

Awaiting Request for Examination

View Documents

➡

Filed

➡

Published

➡

RQ Filed

➡

Under Examination

➡

Disposed



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

Application Details

APPLICATION NUMBER	202041033007
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	31/07/2020
APPLICANT NAME	1 . Dr. R.Narasimhan 2 . Dr. K. R. VIJAYA KUMAR, Dr. M.G.R Educational and Research Institute 3 . Dr.K.ARUMUGAM 4 . Dr. Sushil Kumar Upadhyay 5 . Dr. Raj Singh 6 . Dr Dheer Pal Singh 7 . Dr. Kavita Rani 8 . Arti Sharma 9 . Manish Bharadwaj 10 . Saurabh 11 . PALARAPU ANIL KUMAR 12 . Dr.Ram Subbiah 13 . Mohit Goyal 14 . Naresh Sharma 15 . Chhaya Sharma
TITLE OF INVENTION	WEARABLE CHILD MONITORING DEVICE WITH INBUILT HEART RATE MEASUREMENT TO PROTECT FALLING INTO ABANDONED DEEP BORE WELL
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	narasima123@gmail.com
ADDITIONAL-EMAIL (As Per Record)	narasima123@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	21/08/2020

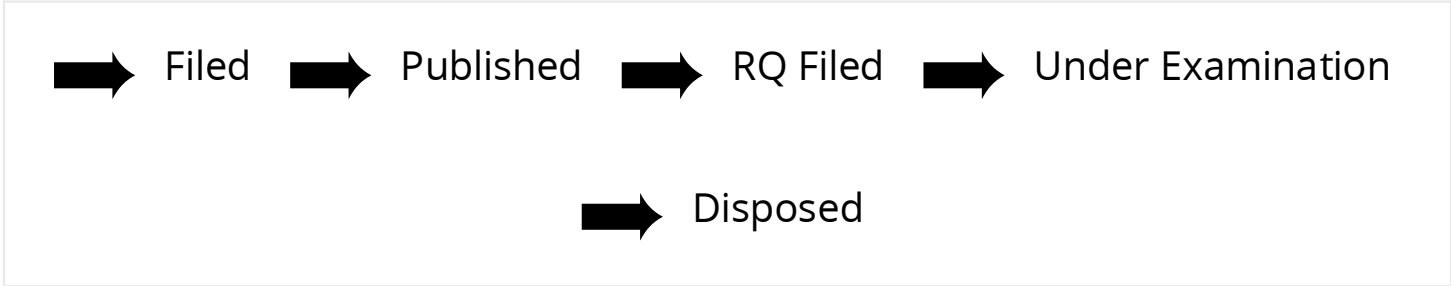
Department of Mechanical Engineering

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Key Indicator-3.4.3 Research Publications and Awards(10)-Number of Patents published/awarded
Application Status

APPLICATION STATUS	Awaiting Request for Examination
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			View Documents
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Controller General of Patents, Designs and Trademarks
Department of Industrial Policy and Promotion
Ministry of Commerce and Industry

Application Details

APPLICATION NUMBER	202041044939
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	15/10/2020
APPLICANT NAME	1 . Ms.R. LAVANYA 2 . Dr.V.THANIGAIVELAN 3 . Dr.T.SENTHIL VADIVEL 4 . Dr. H. SUDHEER 5 . Dr.R.NARASIMHAN 6 . Mrs.V.VIJAYALAKSHMI 7 . Ms.DEEPIKA SHERAWAT 8 . Ms.SONIA 9 . Ms.PRIYANKA SHUKLA 10 . Dr.K.R.VIJAYA KUMAR
TITLE OF INVENTION	IOT BASED PREDICTIVE MODEL FOR ATTENTION DEFICIT HYPERACTIVITY DISORDER
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	patent.trademark1@gmail.com
ADDITIONAL-EMAIL (As Per Record)	lavanya27382@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	30/10/2020

Application Status

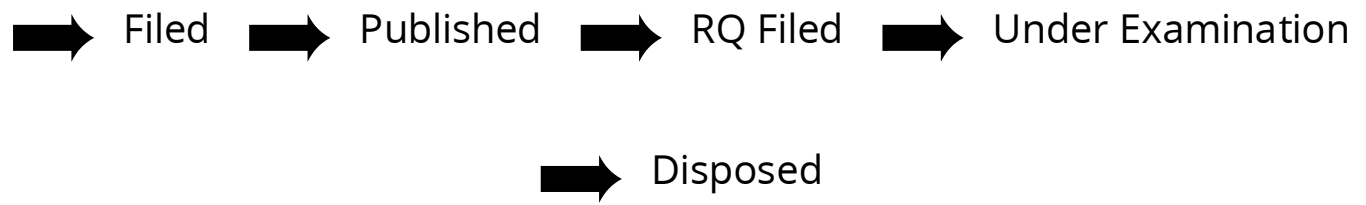
APPLICATION STATUS	Awaiting Request for Examination
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Department of Mechanical Engineering

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Key Indicator-3.4.3 Research Publications and Awards(10)-Number of Patents published/awarded

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

Application Details

APPLICATION NUMBER	202041002231
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	18/01/2020
APPLICANT NAME	1 . Dr.K.RAJAN 2 . Dr.S SENTHIL KUMAR 3 . Dr.C BIBIN 4 . Dr.T G SAKTHIVEL 5 . Mr. J LEO AMALRAJ 6 . Dr.V MOHANA VEL
TITLE OF INVENTION	AN AUTOMATED METHOD AND SYSTEM FOR GRAVITATIONAL TRANSPORTATION OF MINERALS ALONG WITH SEGREGATION
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	sgowthami12@gmail.com
ADDITIONAL-EMAIL (As Per Record)	sgowthami12@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	24/01/2020

Application Status

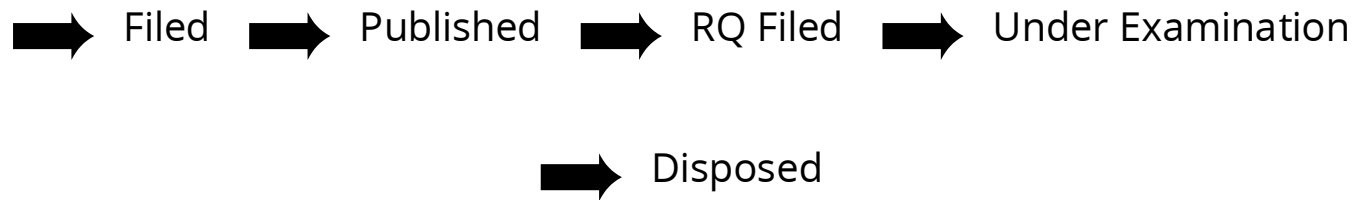
APPLICATION STATUS	Awaiting Request for Examination
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[View Documents](#)

Department of Mechanical Engineering

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Key Indicator-3.4.3 Research Publications and Awards(10)-Number of Patents published/awarded



FORM 1				(FOR OFFICE USE ONLY)	
<p align="center">THE PATENTS ACT1970(39 of1970)and THE PATENTS RULES, 2003 APPLICATION FOR GRANT OF PATENT (See section7, 54 and 135and sub-rule (1) of rule 20)</p>				Application No.	
				Filing date:	
				Amount of Fee paid:	
				CBR No:	
				Signature:	
1.APPLICANT'S REFERENCE / IDENTIFICATION NO.(AS ALLOTTED BY OFFICE)					
2.TYPEOFAPPLICATION [Please tick(✓)atthe appropriate category]					
Ordinary(✓)		Convention()		PCT-NP()	
Divisional ()	Patent of Addition ()	Divisional ()	Patent of Addition()	Divisional ()	Patent of Addition ()
3A. APPLICANT(S)					
Name in Full		Nationality	Country of Residence	Address of the Applicant	
Dr.S.Sudhakar		Indian	India	House No.	Professor, 52-Sree Angammal Avenue Kalyanasundaram Street Hope College , Peelamedu(PO) Coimbatore – 641 004 Tamil Nadu, India
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				State	Tamilnadu
				Country	India
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				City	Thanjavur
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				Country	India
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			Country	India
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			City	Coimbatore
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			City	Coimbatore
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			Country	India
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			State	Tamil Nadu
			Country	India
			Pin code	641016

3B.CATEGORY OF APPLICANT [Please tick(✓)atthe appropriate category]

Natural Person (✓)	Other than Natural Person		
	Small Entity()	Startup ()	Others()

4.INVENTOR(S)[Please tick(✓)atthe appropriate category]

Arealltheinventor(s)same As the applicant(s) named above?	Yes(✓)	No()
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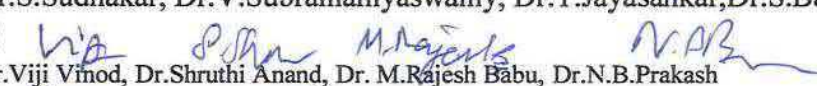

If "No", furnish the details of the inventor(s)

Name in Full	Nationality	Country of Residence	Address of the Inventor	
			House No-	
			Street	
			City	
			State	
			Country	
			Pin-code	

5.TITLE OFTHE INVENTION

IoT Based Personalized Healthcare System And Method Thereof

6.AUTHORISED REGISTEREDPATENT AGENT(S)	IN/PA No.	NA
	Name	NA
	Mobile No.	NA
7.ADDRESS FOR SERVICE OF APPLICANT IN INDIA	Name	Dr.S.Sudhakar
	Postal Address	Professor, 52-Sree Angammal Avenue Kalyanasundaram Street Hope College , Peelamedu(PO) Coimbatore – 641 004 Tamil Nadu, India
	Telephone No.	NA

				Mobile No.	+91-9842791191
				Fax No.	NA
				E-mail ID	sudhasengan@gmail.com
8. INCASE OF APPLICATION CLAIMING PRIORITY OF APPLICATION FILED IN CONVENTION COUNTRY, PARTICULARS OF CONVENTION APPLICATION					
Country	Application Number	Filing date	Name of the Applicant	Title of the	IPC (as classified in the convention country)
9. INCASE OF PCT NATIONAL PHASE APPLICATION, PARTICULARS OF INTERNATIONAL APPLICATION FILED UNDER PATENT CO-OPERATION TREATY (PCT)					
International application number			International filing date		
10. INCASE OF DIVISIONAL APPLICATION FILED UNDER SECTION 16, PARTICULARS OF ORIGINAL (FIRST) APPLICATION					
Original (first) application No.			Date of filing of original (first) application		
11. INCASE OF PATENT OF ADDITION FILED UNDER SECTION 54, PARTICULARS OF MAIN APPLICATION OR PATENT					
Main application/patent No.			Date of filing of main application		
12. DECLARATIONS (i) Declaration by the inventor(s) (In case the applicant is an assignee: the inventor(s) may sign herein below or the applicant may upload the assignment to enclose the assignment with this application for patent or send the assignment by post/electronic transmission duly authenticated within the prescribed period). We, the above named inventor(s) is/are the true & first inventor(s) for this invention and declare that the applicant(s) herein is/are my/our assignee or legal representative.					
(a) Date					
(b) Signature(s) 					
(c) Name(s) – Dr. S. Sudhakar, Dr. V. Subramaniaswamy, Dr. T. Jayasankar, Dr. S. Balamurugan					
(b) Signature(s) 					
(c) Name(s) – Dr. Viji Vinod, Dr. Shruthi Anand, Dr. M. Rajesh Babu, Dr. N.B. Prakash					
(b) Signature(s) 					
(c) Name(s) – Dr. G.R. Hemalakshmi, Dr. B. Jaishankar, Ms. R.P. Shetty					

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

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

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

~~(a) Date~~

~~(b) Signature(s)~~

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

(iii) Declaration by the applicant(s)

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

We are in possession of the above-mentioned invention.

The ~~provisional~~/complete specification relating to the invention is filed with this application.

The invention as disclosed in the specification uses the biological material from India and the necessary permission from the competent authority shall be submitted by us before the grant of patent to us.

There is no lawful ground of objection(s) to the grant of the Patent to us.

We are the true & first inventor(s).

We are the assignee or legal representative of true & first inventor(s).

The application or each of the applications, particular of which are given in Paragraph-8, was the first application in convention country in respect of our invention(s). We claim the priority from the above mentioned application(s) filed in convention country and state that no application for protection in respect of the invention had been made in a convention country before that date by us or by any person from which We derive the title.

Our application in India is based on international application under Patent Cooperation Treaty (PCT) as mentioned in Paragraph-9.

The application is divided into four application particulars of which is given in Paragraph-10 and pray that this application may be treated as deemed to have been filed on _____ under section 16 of the Act.

The said invention is an improvement in or modification of the invention particulars of which are given in Paragraph-11.

13. FOLLOWING ARE THE ATTACHMENTS WITH THE APPLICATION

(a) Form 2

Item	Details	Fee	Remarks
Complete/provisional specification)#	No. of pages : 11		
No. of Claim(s)	No. of claims: 6 No. of pages: 1		
Abstract	No. of pages: 1		
No. of Drawing(s)	No. of drawings: 3 No. of pages: 3		

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

- (b) Complete specification (in conformation with the international application) / as amended before the International Preliminary Examination Authority (IPEA), as applicable (2 copies).
- (c) Sequence listing in electronic form
- (d) Drawings (in conformation with the international application) / as amended before the International Preliminary Examination Authority (IPEA), as applicable (2 copies).
- (e) Priority document(s) or a request to retrieve the priority document(s) from DAS (Digital Access Service) if the applicant had already requested the office of first filing to make the priority document(s) available to DAS.
- (f) Translation of priority document / Specification / International Search Report / International Preliminary Report on Patentability. (g) Statement and Undertaking on Form 3
- (h) Declaration of Inventorship on Form 5
- (i) Power of Authority
- (j)

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

Dated this day of 2019

1. Signature :-

Name: Dr. S. Sudhakar

2. Signature :-

Name: Dr. V. Subramaniaswamy

3. Signature :-

Name: Dr. T. Jayasankar

4. Signature :-

Name: Dr. S. Balamurugan

5. Signature :-

Name: Dr. Viji Vinod

6. Signature :-

Name: Dr. Shruthi Anand

7. Signature :-

Name: Dr. M. Rajesh Babu

8. Signature :-

Name: Dr. N. B. Prakash

9. Signature :-

Name: Dr. G. R. Hemalakshmi

10. Signature :-

Name: Dr. B. Jaishankar

11. Signature :-

Name: Ms. R. P. Sherny

To,

The Controller of Patents

The Patent Office, at Chennai.



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

Application Details

APPLICATION NUMBER	201941023455
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	13/06/2019
APPLICANT NAME	DR. MGR EDUCATIONAL AND RESEARCH INSTITUTE
TITLE OF INVENTION	SMART AIR PURIFIER
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	patent@drmgrdu.ac.in
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	18/12/2020

Application Status

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

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Department of Electronics and Communication Engineering

47

Key Indicator-3.4.3 Research Publications and Awards(10)-Number of Patents published/awarded



Australian Government

IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2020102046

The Commissioner of Patents has granted the above patent on 7 October 2020, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

KALIAPPAN S of Associate Professor, Velammal Institute of Technology, Department of Mechanical Engineering Chennai-Kolkotta Highway, Chennai Tamilnadu 601204 India

BALAJI V of Professor, Department of Mechanical Engineering, Loyola Institute of Technology Palanchur, Chennai Tamilnadu 600123, India

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MURUGAN P of Assistant Professor, Faculty of Mechanical Engineering, Jimma Institute of Technology Jimma University Jimma Ethiopia

VASUKIDEVI G of Assistant Professor, Department of Science and Humanities, (General Engineering) R.M.K. College of Engineering and Technology, RSM Nagar, Puduvoyal 601 206 India

TAMILARASI K of Assistant Professor (Senior Grade), Department of Information Technology, Rajalakshmi Engineering College Rajalakshmi Nagar Thandalam, Chennai 602 105 India

Title of invention:

DESIGN OF A COLLAPSIBLE AND PORTABLE LACTATION MODULE FOR MOTHERS

Name of inventor(s):

S., KALIAPPAN; V., BALAJI; T., MOTHILAL; S., SELVAKANMANI; S., Arun; T., GODHAVARI; U., Jayalatsumi; P., MURUGAN; G., VASUKIDEVI and K., TAMILARASI

Term of Patent:

Eight years from 28 August 2020

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



Dated this 7th day of October 2020

Commissioner of Patents

Department of Electronics and Communication Engineering

Key Indicator-3.4.3 Research Publications and Awards(10)-Number of Patents published/awarded

PATENTS ACT 1990

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application : 18/11/2020

(21) Application No. 202041650273 A

(43) Publication Date : 27/11/2020

(54) Title of the invention : AN ENHANCED MODEL FOR PROVIDING RELIABLE AND SECURE ENVIRONMENT TO HANDLE ATTACKS IN CLOUD ENVIRONMENT USING MACHINE LEARNING

(51) International classification	H04L 12/803	(71) Name of Applicant : 1) Dr. Rajeswary Hari Address of Applicant : Dr MGR Educational and Research Institute Kattankulathur Madhavoyal Chennai Tamilnada India 600095 Tamil Nadu India 2) Dr. R. Mythreyi 3) Dr. K. Sujatha 4) Nandhini S 5) Hari Kumar.P 6) S. Saravanan 7) Subashree D 8) S. Visnu Dharsini 9) Dr. A. Pandian
(31) Priority Document No	NA	(72) Name of Inventor : 1) Dr. Rajeswary Hari 2) Dr. R. Mythreyi 3) Dr. K. Sujatha 4) Nandhini S 5) Hari Kumar.P 6) S. Saravanan 7) Subashree D 8) S. Visnu Dharsini 9) Dr. A. Pandian
(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 :

Security has consistently been a significant issue in cloud. Information sources are the most significant and weak data which is pointed by assailants to take. On the off chance that information is lost, at that point the protection and security of each cloud client are undermined. Despite the fact that a cloud network is made sure about remotely, the danger of an inward aggressor exists. Interior aggressors bargain a weak client hub and gain admittance to a framework. They are associated with the cloud network inside and dispatch assaults claiming to be confided in clients. AI approaches are generally utilized for cloud security issues. The current AI based security approaches characterize a hub as a making trouble hub dependent on transient conduct information. These frameworks don't separate whether a getting out of hand hub is a vindictive hub or a messed up hub. To address this issue, this paper proposes an Improved model which learns the conduct of a client and naturally prepares itself and stores the social information. The model can undoubtedly characterize the client conduct as typical or strange. The proposed approach distinguishes an oddity hub as well as discovers whether an acting mischievously hub is a wrecked hub or another client hub or an undermined hub utilizing the determined trust factor. The proposed model distinguishes the assault precisely as well as lessens the bogus alert in the cloud organization.

No. of Pages : 9 No. of Claims : 8



Australian Government

IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2020102828

The Commissioner of Patents has granted the above patent on 25 November 2020, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

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Maduravoyal, Chennai . Tamilnadu 600 095 India

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SRIHARAN G. of Department of Mechanical Engineering, A.V.C.College of Engineering Mannampandal,
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SWAMINATHAN C. of Plot No:4, Dass, Avenue,3rd cross, Velan nagar, Sengarcholai, Tiruchirappalli-620102
Tamil Nadu India

Title of invention:

A Novel Method to Determine Enhanced Strength of Recycled Concrete based on Micro Filler Technique

Name of inventor(s):

P., SETHURAMAN; P., GOMATHI NAGAJOTHI; M., MANIKANDAN; A., ARIVUMANGAI; M., NARMATHA; S.,
.KALIAPPAN; V., BALAJI; E., Kavitha; S., EZHUMALAI; S., SENTHILRAJAN; G., SRIHARAN and C.,
SWAMINATHAN

Dated this 25th day of November 2020

Commissioner of Patents

Department of Civil Engineering

Key Indicator-3.4.3 Research Publications and Awards(10)-Number of Patents published/awarded



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: 2020102828

Term of Patent:

Eight years from 17 October 2020

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



Department of Civil Engineering

Key Indicator-3.4.3 Research Publications and Awards(10)-Number of Patents published/awarded

Dated this 25th day of November 2020

Commissioner of Patents

PATENTS ACT 1990

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

(12) PATENT APPLICATION PUBLICATION	(21) Application No. 202041026847 A
(19) INDIA	
(22) Date of filing of Application : 24/06/2020	(43) Publication Date : 10/07/2020
(54) Title of the invention : DURABILITY RESPONSE OF HIGH-PERFORMANCE CONCRETE WITH METAKAOLIN AND RICE HUSK ASH	
(51) International classification	(71) Name of Applicant :
(31) Priority Document No.	1) Dr. A.N. Swaminathan
(32) Priority Date	Address of Applicant : Professor & HEAD Department of Civil Engineering, Sree Sakthi Engineering College, Coimbatore-641104, Tamil Nadu, India Tamil Nadu India
(33) Name of priority country	2) Mr. Gourav Purohit
(86) International Application No	3) Dr. D.S. Vijayan
Filing Date	4) Mr. Sachin Sharma
(87) International Publication No.	5) Dr. V.S. Sethuraman
(61) Patent of Addition to Application Number	6) Dr. L.K. Rex
Filing Date	7) Dr. R. Vidya
(62) Divisional to Application Number	8) Mr. P. Dinesh Kumar
Filing Date	9) Mr. S. Ramesh
	10) Mr. Akash Johari
	11) Dr. P. Rajaram
	12) Dr. S. Sudhakar
	(72) Name of Inventor :
	1) Dr. A.N. Swaminathan
	2) Mr. Gourav Purohit
	3) Dr. D.S. Vijayan
	4) Mr. Sachin Sharma
	5) Dr. V.S. Sethuraman
	6) Dr. L.K. Rex
	7) Dr. R. Vidya
	8) Mr. P. Dinesh Kumar
	9) Mr. S. Ramesh
	10) Mr. Akash Johari
	11) Dr. P. Rajaram
	12) Dr. S. Sudhakar
(57) Abstract :	
Concrete is a widely used construction material in developing and developed countries in a structure. After several research results across different countries, the growth of concrete is eyed forward towards the growth of its performance. This high-performance concrete holds the different enhanced properties in it, such as durability by proving resistive to chemically varying atmosphere, reduction of CO2 by reducing the amount of cement, increased Ecology balance by balancing natural resources consumption. The vision of this invention extends towards the effect of mineral admixtures on the durability properties of high-performance concrete. To attend effective results such as low porosity, low water absorption, sorptivity, and proportioning of materials has always been the key parameters. M60 grade of concrete used in this experimental work. Curing is done to 3, 7, 14, 28, 56, and 90 days with 3 sample blocks for each curing period. This different mixture of concrete preferred upon further tests where the durability is determined cautiously. The durability properties of partially replaced cement are studied based on compressive strength, water absorption, porosity, and sorptivity. From the studies conducted, it observed that metakaolin and rice husk ash play a vital role in improving the durability of concrete at a later stage and improving the compressive strength at an early age.	
No. of Pages : 18 No. of Claims : 4	

Innovation Patent

Patent no: 2020103249

Patentee(s):

DINESHKUMAR, P. of Addln. HoD, Asst. Professor Computer Science and Engineering Dr.M.G.R. Educational and Research Research Institute, Maduravoyal, Chennai - 600095, Tamil Nadu India
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KANIMOZHI, N. of Asst. Professor (Computer Applications) A.V.C College of Engineering Mayiladuthurai- 609305. Tamil Nadu India
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ANTONY XAVIER BRONSON, F. of Assistant Professor Department of Computer Science and Engg. Dr.MGR Educational and Research Institute, Maduravoyal Chennai-600095, Tamil Nadu India
RAJAKUMAR, P. S. of Professor (Computer Science and Engineering) Dr.M.G.R. Educational and Research Institute Maduravoyal Chennai - 600095, Tamil Nadu, India

Inventor(s):

SENDILVELAN, S.
BHASKAR, K.
GOMATHI, K.
KANIMOZHI, N.
SIVAKUMAR, A.
ANTONY XAVIER BRONSON, F.
RAJAKUMAR P. S.
DINESHKUMAR, P.
DURAIRAJ, PRIYA
OMMURUGADHASAN, D.
SAM, DAHLIA

	ARIVALAGAN, S.
Title:	CONTINUOUS POWER GENERATION BY AUTOMATIC DIRECTION CHANGE IN THE SENSOR LEVEL SYSTEM IN THE SOLAR PANEL
Term:	Eight years from 5 November 2020
Date Granted:	23 December 2020
Date Certified:	
Date of Patent:	5 November 2020
Status:	GRANTED
Expiry Date:	5 November 2028
Date Ceased:	
Date Revoked:	



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

Application Details

APPLICATION NUMBER	201941023457
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	13/06/2019
APPLICANT NAME	DR. MGR EDUCATIONAL AND RESEARCH INSTITUTE
TITLE OF INVENTION	DESIGN AND FABRICATION OF SELF-GOVERNING SUBMERGED VEHICLES FOR OCEANIC AND UNDERWATER SAMPLING
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	patent@drmgrdu.ac.in
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	18/12/2020

Application Status

APPLICATION STATUS	Awaiting Request for Examination
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➡ Filed ➡ Published ➡ RQ Filed ➡ Under Examination

Department of Mechanical Engineering

20

Key Indicator-3.4.3 Research Publications and Awards (10) Number of Patents published/awarded

➡ Disposed

PATENT OFFICE
INTELLECTUAL PROPERTY BUILDING
G.S.T. Road, Guindy, Chennai-600032
Tel No. (011)(044) 22502081-84 Fax No. 044 22502066
E-mail : Chennai-patent@ipo.in
Web Site : www.ipindia.gov.in



Date/Time : 13/06/2019 03:06:21

CHALLAN : TR-5
DOCKET NO :49481

Agent Number:

To,
REGISTRAR
DR. MGR EDUCATIONAL AND RESEARCH INSTITUTE, MADURAVOYAL, CHENNAI - 600 095, TAMIL NADU,
INDIA, patent@ilmgrdu.ac.in

Sr. No.	CBR No.	Reference Number / Application Type	Application Number	Title/Remarks	Amount Paid
1	18921	ORDINARY APPLICATION	201941023457	DESIGN AND FABRICATION OF SELF-GOVERNING SUBMERGED VEHICLES FOR OCEANIC AND UNDERWATER SAMPLING	8800
2		E-2/1879/2019-CHE	201941023457	Form2	0
3		E-3/16387/2019-CHE	201941023457	Form3	0
4		E-5/1223/2019-CHE	201941023457	Form5	0
Total :					8800

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19th Astalakshmi Nagar, Alapakkam,
Chennai 600116, Tamil Nadu, India

CRR Detail:

Sr. No.	Ref. No./Application No.	App. Number	Amount Paid	C.R.R. No.	Form Name	Remarks
1	102041016112	TEMP/E-1/15422/2020-CHE	8000	12252	FORM 1	A Method of Manufacturing Sustainable Green Building Blocks
TransactionID	Payment Mode	Challan Identification Number	Amount Paid	Head of A/C No		
N-0000639261	Online Bank Transfer	144(2)0002336	8000.00	1475001025000001		

Total Amount : ₹ 8000

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1/2

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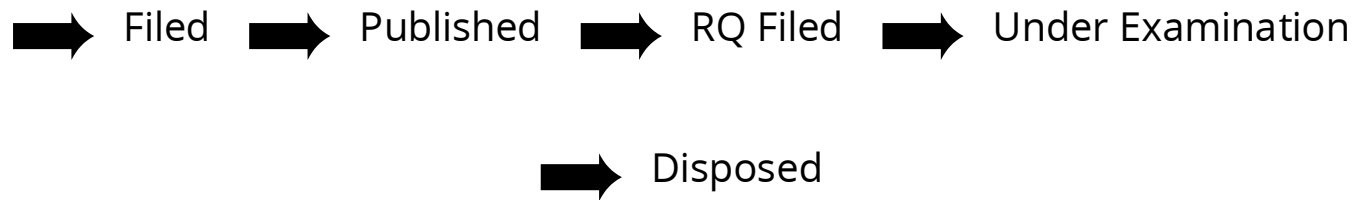
Application Details

APPLICATION NUMBER	201941023458
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	13/06/2019
APPLICANT NAME	1 . DR. MGR EDUCATIONAL AND RESEARCH INSTITUTE 2 . DR. RAMANATHAN NARAYANAN 3 . MURUGAN KAMALAHASAN
TITLE OF INVENTION	PORTABLE AIR POLLUTION MONITORING DEVICE FOR AMBIENT AIR QUALITY ASSESSMENT USING IOT AND GIS TECHNO
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	
ADDITIONAL-EMAIL (As Per Record)	patent@drmgrdu.ac.in
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	18/12/2020

Application Status

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

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PATENT OFFICE
INTELLECTUAL PROPERTY BUILDING
G.S.T. Road, Guindy, Chennai-600032
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Date/Time : 13/06/2019 04:06:46

CHALLAN : TR-5
DOCKET NO : 149464

Agent Number:

To,
REGISTRAR

DR. MGR EDUCATIONAL AND RESEARCH INSTITUTE, MADURAVOYAL, CHENNAI - 600 095, TAMIL NADU,
INDIA. patent@dmgreru.ac.in

Sr. No.	CBR No.	Reference Number / Application Type	Application Number	Title/Remarks	Amount Paid
1	18823	ORDINARY APPLICATION	201941023458	PORTABLE AIR POLLUTION MONITORING DEVICE FOR AMBIENT AIR QUALITY ASSESSMENT USING IOT AND GIS TECHNO	5500
2		E-2/1873/2019-CHE	201941023458	Form2	0
3		E-3/18386/2019-CHE	201941023458	Form3	0
4		E-5/1224/2019-CHE	201941023458	Form5	0
Total :					5500

Received a sum of Rs. 5500 (Rupees Eight Thousand Eight Hundred only) through

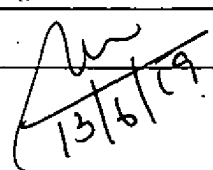
Payment Mode	Bank Name	Cheque/Draft Number	Cheque/Draft Date	Amount in Rs
Cash				5500

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D/49460

FORM 1				(FOR OFFICE USE ONLY)	
THE PATENTS ACT 1970 (39 of 1970) and THE PATENTS RULES, 2003 APPLICATION FOR GRANT OF PATENT (See section 7, 54 and 135 and sub-rule (1) of rule 20)				Application No.	201941023456
				Filing date:	13/06/2019
				Amount of Fee paid:	8800/-
				CBR No:	18920
				Signature:	
1. APPLICANT'S REFERENCE / IDENTIFICATION NO. (AS ALLOTTED BY OFFICE)					
2. TYPE OF APPLICATION [Please tick () at the appropriate category]					
Ordinary (✓)		Convention ()		PCT-NP ()	
Divisional ()	Patent of Addition ()	Divisional ()	Patent of Addition ()	Divisional ()	Patent of Addition ()
3A. APPLICANT(S)					
Name in Full		Nationality	Country of Residence	Address of the Applicant	
Dr. MGR Educational and Research Institute		INDIAN	INDIA	House No.	-
				Street	Maduravoyal
				City	Chennai
				State	Tamil Nadu
				Country	India
				Pin code	600095
3B. CATEGORY OF APPLICANT [Please tick () at the appropriate category]					
Natural Person ()	Other than Natural Person				
	Small Entity ()	Startup ()	Others (✓)		
4. INVENTOR(S) [Please tick () at the appropriate category]					
Are all the inventor(s) same as the applicant(s) named above?	Yes ()	No (✓)			

PATENT OFFICE CHENNAI 14/06/2019 14:52

If "No", furnish the details of the inventor(s)

Name in Full	Nationality	Country of Residence	Address of the Inventor	
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			City	Chennai
			State	Tamil Nadu
			Country	India
			Pin code	600095
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			Street	Pfizer inc
			City	Chennai
			State	Tamil Nadu
			Country	India
			Pin code	600095
Dr. C. Andal	INDIAN	INDIA	House No.	
			Street	Department of Physics, Dr. MGR Educational and Research Institute, Maduravoyal
			City	Chennai
			State	Tamil Nadu
			Country	India
			Pin code	600095
5. TITLE OF THE INVENTION				
A Method of Enhancing the Memory Activity using Isolated Erythrine				
6. AUTHORISED REGISTERED PATENT AGENT(S)	IN/ PA No.		NIL	
	Name		NIL	
	Mobile No.		NIL	
	Name		Registrar	

7. ADDRESS FOR SERVICE OF APPLICANT IN INDIA	Postal Address	Dr. MGR Educational and Research Institute, Maduravoyal, Chennai 600095, Tamil Nadu, India
	Telephone No.	044-23782176
	Mobile No.	+91 9962434300
	Fax No.	--
	E-mail ID	patent@drmgrdu.ac.in

8. IN CASE OF APPLICATION CLAIMING PRIORITY OF APPLICATION FILED IN CONVENTION COUNTRY, PARTICULARS OF CONVENTION APPLICATION

Country	Application Number	Filing date	Name of the applicant	Title of the invention	IPC (as classified in the convention country)

9. IN CASE OF PCT NATIONAL PHASE APPLICATION, PARTICULARS OF INTERNATIONAL APPLICATION FILED UNDER PATENT CO-OPERATION TREATY (PCT)

International application number	International filing date

10. IN CASE OF DIVISIONAL APPLICATION FILED UNDER SECTION 16, PARTICULARS OF ORIGINAL (FIRST) APPLICATION

Original (first) application No.	Date of filing of original (first) application

11. IN CASE OF PATENT OF ADDITION FILED UNDER SECTION 54, PARTICULARS OF MAIN APPLICATION OR PATENT

Main application/patent No.	Date of filing of main application

12. DECLARATIONS

(i) Declaration by the inventor(s)

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

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

(a) Date 13/6/19

Gr Subhashree
Dr. G R Subhashree

R. Kamalraj
Dr. R. Kamalraj

C. Andal
Dr. C. Andal

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

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

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

(a) Date 13/6/19

C. D. Jeyaraj

REGISTRAR
Dr. M.G.R.
EDUCATIONAL AND RESEARCH INSTITUTE
FOR Dr. MGR Educational and Research Institute (University)
Periyar E.V.R. High Road,
Madhavayal, Chennai 600 095



(iii) Declaration by the applicant(s)

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

- ☒ I am/We are in possession of the above-mentioned invention.
- ☒ The ~~provisional~~/complete specification relating to the invention is filed with this application.
 - ☐ The invention as disclosed in the specification uses the biological material from India and the necessary permission from the competent authority shall be submitted by me/us before the grant of patent to me/us.
- ☒ There is no lawful ground of objection(s) to the grant of the Patent to me/us.
- ☒ I am/we are the true & first inventor(s).
- ☒ I am/we are the assignee or legal representative of true & first inventor(s).
 - ☐ The application or each of the applications, particulars of which are given in Paragraph- 8, was the first application in convention country/countries in respect of my/our invention(s).

13. FOLLOWING ARE THE ATTACHMENTS WITH THE APPLICATION**(a) Form 2**

Item	Details	Fee	Remarks
Complete/ provisional specification)#	No. of pages 17		
No. of Claim(s)	No. of claims and 9 No. of pages 3		
Abstract	No. of pages 1		
No. of Drawing(s)	No. of drawings and 2 No. of pages 2		

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

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

(c) Sequence listing in electronic form

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

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

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

(g) Statement and Undertaking on Form 3

(h) Declaration of Inventor-ship on Form 5

(i) Power of Authority

Total fee in Cash/ Banker's Cheque /Bank Draft bearing No.....

Date.....onBank.

13-Jun-2019/49460/201941023456/Form 1

PATENT OFFICE CHENNAI 14/06/2019 14:52

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

Dated this.....13th.....day of.....June 20.....19.....

C. B. Babuvelu

FOR Dr. MGR Educational and Research Institute

REGISTRAR
Dr. M.G.R.
EDUCATIONAL AND RESEARCH INSTITUTE
(Deemed to be University)
Periyar E.V.R. High Road,
Maduravoyal, Chennai 600 095

To,

The Controller of Patents

The Patent Office, at. Chennai.



FORM 5
THE PATENT ACT, 1970
(39 OF 1970)
&
The Patents Rules, 2003
DECLARATION AS TO INVENTORSHIP
[See section 10(6) and rule 13(6)]

1. NAME OF APPLICANT (S)	Dr. VIJI VINOD, Dr. S. RADHA RAMMOHAN, Dr. RAJKUMAR N, Dr. S. V. TRESA SANGEETHA, Dr. GOLDA DILIP and KARTHICK RAMANATHAN SULOCHANAN
---------------------------------	--

hereby declare that the true and first inventor(s) of the invention disclosed in the complete specification filed in pursuance of my/our application numbered **201941054073** Dated **26th, December, 2019** are

2. INVENTOR (S):

1. a. Name: b. Nationality c. Address	Dr. VIJI VINOD INDIA PROFESSOR AND HOD, DEPARTMENT OF COMPUTER APPLICATIONS, DR.M.G.R. EDUCATIONAL AND RESEARCH INSTITUTE, MADURAVOYAL, CHENNAI-600095, TAMILNADU, INDIA.
2. a. Name: b. Nationality c. Address	Dr. S. RADHA RAMMOHAN INDIA PROFESSOR, DEPARTMENT OF COMPUTER APPLICATIONS, DR.M.G.R.EDUCATIONAL AND RESEARCH INSTITUTE, MADURAVOYAL, CHENNAI-600095, TAMILNADU, INDIA.
3. a. Name: b. Nationality c. Address	Dr. RAJKUMAR N INDIA RESEARCH MENTOR, ACCENDERE KNOWLEDGE MANAGEMENT SERVICES PVT. LTD. (100% SUBSIDIARY OF CL EDUCATE LTD.), NEW DELHI, INDIA
4. a. Name: b. Nationality c. Address	Dr. S. V. TRESA SANGEETHA INDIA LECTURER, DEPARTMENT OF ENGINEERING, AL MUSANNA COLLEGE OF TECHNOLOGY, SULTANATE OF OMAN.
3. a. Name: b. Nationality c. Address	Dr. GOLDA DILIP INDIA ASSOCIATE PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, VADAPALANI, CHENNAI 600026, TAMILNADU, INDIA.
4. a. Name: b. Nationality c. Address	KARTHICK RAMANATHAN SULOCHANAN INDIA LECTURER, DEPARTMENT OF ENGINEERING, AL MUSANNA COLLEGE OF TECHNOLOGY, SULTANATE OF OMAN.

Dated this: 05th day of January, 2020



Signature :-



**Name: PREM CHARLES I (IN/PA-3311) Patent
Agent on Behalf of the Applicant(s)**

**3. DECLARATION TO BE GIVEN WHEN THE APPLICATION IN INDIA IS FILED BY
THE APPLICANT (S) IN THE CONVENTION COUNTRY:-**

-N.A-

**To,
The Controller of Patent
The Patent Office, at Chennai**

FORM 1
THE PATENTS ACT, 1970
(39 of 1970)
&
THE PATENTS RULES, 2003
APPLICATION FOR GRANT OF PATENT
[See sections 7,54 & 135 and rule 20(1)]

(FOR OFFICE USE ONLY)

Application No.:

Filing Date:

Amount of Fee Paid:

CBR No.:

Signature:

1. APPLICANT(S):

Sr.No.	Name	Nationality	Address	Country	State
1	Dr.VIJI VINOD	India	W/O A.VINOD SANKAR, PROFESSOR AND HOD, DEPARTMENT OF COMPUTER APPLICATIONS, DR.M.G.R. EDUCATIONAL AND RESEARCH INSTITUTE, MADURAVOYAL, CHENNAI, TAMILNADU, INDIA.	India	Tamil Nadu
2	Dr.S.RADHA RAMMOHAN	India	S/O R.SHANTHANAM, PROFESSOR, DEPARTMENT OF COMPUTER APPLICATIONS, DR.M.G.R.EDUCATIONAL AND RESEARCH INSTITUTE, MADURAVOYAL, CHENNAI, TAMILNADU, INDIA.	India	Tamil Nadu
3	Dr. RAJKUMAR N	India	S/O M. NARAYANAN, RESEARCH MENTOR, ACCENDERE KNOWLEDGE MANAGEMENT SERVICES PVT. LTD. (100% SUBSIDIARY OF CL EDUCATE LTD.), NEW DELHI, INDIA	India	Delhi
4	Dr.S.V.TRESA SANGEETHA	India	W/O MARIE JOSEPH GERARD, LECTURER, DEPARTMENT OF ENGINEERING, AL MUSANNA COLLEGE OF	Oman	Not Selected

			TECHNOLOGY, SULTANATE OF OMAN.		
5	Dr.GOLDA DILIP	India	W/O M.DILIP, ASSOCIATE PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, VADAPALANI, CHENNAI, TAMILNADU, INDIA.	India	Tamil Nadu
6	Mr.KARTHICK RAMANATHAN SULOCHANAN	India	S/O SULOCHANAN, LECTURER, DEPARTMENT OF ENGINEERING, AL MUSANNA COLLEGE OF TECHNOLOGY, SULTANATE OF OMAN.	Oman	Not Selected

2. INVENTOR(S):

Sr.No.	Name	Nationality	Address	Country	State
1	Dr.VIJI VINOD	India	W/O A.VINOD SANKAR, PROFESSOR AND HOD, DEPARTMENT OF COMPUTER APPLICATIONS, DR.M.G.R. EDUCATIONAL AND RESEARCH INSTITUTE, MADURAVOYAL, CHENNAI, TAMILNADU, INDIA.	India	Tamil Nadu
2	Dr.S.RADHA RAMMOHAN	India	S/O R.SHANTHANAM, PROFESSOR, DEPARTMENT OF COMPUTER APPLICATIONS, DR.M.G.R.EDUCATIONAL AND RESEARCH INSTITUTE, MADURAVOYAL, CHENNAI, TAMILNADU, INDIA.	India	Tamil Nadu
	Dr. RAJKUMAR		S/O M. NARAYANAN, RESEARCH MENTOR, ACCENDERE KNOWLEDGE		

3	N	India	MANAGEMENT SERVICES PVT. LTD. (100% SUBSIDIARY OF CL EDUCATE LTD.), NEW DELHI, INDIA	India	Delhi
4	Dr.S.V.TRESA SANGEETHA	India	W/O MARIE JOSEPH GERARD, LECTURER, DEPARTMENT OF ENGINEERING, AL MUSANNA COLLEGE OF TECHNOLOGY, SULTANATE OF OMAN.	Oman	Not Selected
5	Dr.GOLDA DILIP	India	W/O M.DILIP, ASSOCIATE PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, VADAPALANI, CHENNAI, TAMILNADU, INDIA.	India	Tamil Nadu
6	Mr.KARTHICK RAMANATHAN SULOCHANAN	India	S/O SULOCHANAN, LECTURER, DEPARTMENT OF ENGINEERING, AL MUSANNA COLLEGE OF TECHNOLOGY, SULTANATE OF OMAN.	Oman	Not Selected

3. TITLE OF THE INVENTION: A METHOD FOR IDENTIFICATION OF TEXT CHARACTERS IN IMAGES FOR DIRECT EDITING AND TRANSLATION

4. ADDRESS FOR CORRESPONDENCE OF APPLICANT / Telephone No.: 04343233388
AUTHORISED PATENT AGENT IN INDIA: Fax No.:
 ALLINNOV RESEARCH AND DEVELOPMENT PRIVATE Mobile No:
 LIMITED NO: 29B, BAIRAPPA COLONY, KRISHNAGIRI, E-mail: patent@allinnov.org
 TAMILNADU-635001

5. PRIORITY PARTICULARS OF THE APPLICATION(S) FILED IN CONVENTION COUNTRY:

Sr.No.	Country	Application Number	Filing Date	Name of the Applicant	Title of the Invention
--------	---------	--------------------	-------------	-----------------------	------------------------

6. PARTICULARS FOR FILING PATENT COOPERATION TREATY (PCT) NATIONAL PHASE APPLICATION:

7. PARTICULARS FOR FILING DIVISIONAL APPLICATION**Original (first) Application Number****Date of Filing of Original (first) Application****8. PARTICULARS FOR FILING PATENT OF ADDITION:****Main Application / Patent Number:****Date of Filing of Main Application****9. DECLARATIONS:****(i) Declaration by the inventor(s)**

I/We ,Dr.VIJI VINOD,Dr.S.RADHA RAMMOHAN,Dr. RAJKUMAR N,Dr.S.V.TRESA SANGEETHA,Dr.GOLDA DILIP,Mr.KARTHICK RAMANATHAN SULOCHANAN, is/are the true & first inventor(s) for this invention and declare that the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date: -----

(b) Signature(s) of the inventor(s):

(c) Name(s): Dr.VIJI VINOD,Dr.S.RADHA RAMMOHAN,Dr. RAJKUMAR N,Dr.S.V.TRESA SANGEETHA,Dr.GOLDA DILIP,Mr.KARTHICK RAMANATHAN SULOCHANAN

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

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

(a) Date: -----

(b) Signature(s) :

(c) Name(s) of the singnatory: Dr.VIJI VINOD,Dr.S.RADHA RAMMOHAN,Dr. RAJKUMAR N,Dr.S.V.TRESA SANGEETHA,Dr.GOLDA DILIP,Mr.KARTHICK RAMANATHAN SULOCHANAN

(iii) Declaration by the applicant(s)

- The Complete specification relationg to the invention is filed with this application.
- I am/We are, in the possession of the above mentioned invention.
- There is no lawful ground of objection to the grant of the Patent to me/us.

10. FOLLOWING ARE THE ATTACHMENTS WITH THE APPLICATION:

Sr.	Document Description	FileName
-----	----------------------	----------

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

Dated this(Final Payment Date): -----

Signature:

Name: PREM CHARLES

To The Controller of Patents

The Patent office at CHENNAI







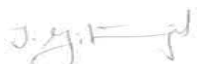



This form is electronically generated.

<p align="center">From 1</p> <p align="center">THE PATENT ACT 1970</p> <p align="center">(39 of 1970) &</p> <p align="center">THE PATENT RULES, 2003</p> <p align="center">APPLICATION FOR GRANT OF PATENT</p> <p align="center">(See section 7 , 54 and 135 and sub-rule (1) of rule 20)</p>				(FOR OFFICE USE ONLY)	
				Application No.	
				Filing Date:	
				Amount of Fee Paid:	
				CBR No:	
				Signature:	
1. APPLICANT'S REFERENCE / IDENTIFICATION NO. (AS ALLOTTED BY OFFICE)					
2. TYPE OF APPLICATION [Please tick (✓) at the appropriate category]					
Ordinary(✓)		Convention()		PCT-NP()	
Divisional ()	Patent of Addition ()	Divisional ()	Patent of Addition ()	Divisional ()	Patent of Addition ()
3.A. APPLICANT(S)					
Name in Full	Nationality	Country of Residence	Address of the Applicant		
Dr.P.Rajaram	Indian	India	House No.	Associate Professor Computer Science and Engineering AKT Memorial College of Engineering and Technology, Neelamangalam, Kallakurichi – 606 202 Tamil Nadu, India	
			Street	Neelamangalam	
			City	Kallakurichi	
			State	Tamil Nadu	
			Country	India	
			Pin code	606 202	
S.Ramesh	Indian	India	House No.	No.69, First Cross Street, Pazhani Pillai Nagar, Koothapakkam Cuddalore-607002 Tamil Nadu, India	
			Street	Koothapakkam	
			City	Cuddalore	
			State	Tamil Nadu	
			Country	India	

			Pin code	607002
S.Jaya Prakash	Indian	India	House No.	2/37, Pillaiyar Koil Street, Mattaparai Village Villupuram-605201 Tamil Nadu, India
			Street	Mattaparai Village
			City	Villupuram
			State	Tamil Nadu
			Country	India
			Pin code	605201
A.Joseph Selva Kumar	Indian	India	House No.	116/F, 3 rd Main Street, V.O.C Nagar, Kallakurichi-606 202 Tamil Nadu, India
			Street	V.O.C Nagar
			City	Kallakurichi
			State	Tamil Nadu
			Country	India
			Pin code	606 202
A.Sathishkumar	Indian	India	House No.	1/92, R R. Anbagam, Kandachimangalam, Nagalur(PO), Kallakurichi-606 203 Tamil Nadu, India
			Street	Nagalur
			City	Kallakurichi
			State	Tamil Nadu
			Country	India
			Pin code	606 203
Dr.J.Indumathi	Indian	India	House No.	Professor Department of Information Science and Engineering, College of Engineering Anna University Chennai - 600025 Tamil Nadu, India
			Street	Anna University
			City	Chennai
			State	Tamil Nadu
			Country	India
			Pin code	600025
Dr.J.Gitanjali	Indian	India	House No.	29, Frist East Main Road, Gandhi Nagar Vellore-632 006 Tamil Nadu, India.

			Street	Gandhi Nagar
			City	Vellore
			State	Tamil Nadu
			Country	India
			Pin code	632 006
V.R.Niveditha	Indian	India	House No.	Dr.M.G.R Educational and Research Institute, Chennai-600095 Tamil Nadu, India
			Street	Dr.M.G.R Educational and Research Institute
			City	Chennai
			State	Tamil Nadu
			Country	India
			Pin code	600095
Dr.S.Radha Rammohan	Indian	India	House No.	Dr.M.G.R Educational and Research Institute, Chennai-600095 Tamil Nadu, India
			Street	Dr.M.G.R Educational and Research Institute
			City	Chennai
			State	Tamil Nadu
			Country	India
			Pin code	600095
S.Magesh	Indian	India	House No.	22/102, 2 nd Street, Venkatesa Nagar, Vriugambakkam, Chennai-600 092 Tamil Nadu, India
			Street	Vriugambakkam
			City	Chennai
			State	Tamil Nadu
			Country	India
			Pin code	600 092
3.B. Category of applicant [Please tick() at the appropriate category]				
Natural Person(✓)		Other than Natural Person		
	Small Entity ()	Startup ()	Others ()	
4. Inventor(s) [Please tick() at the appropriate category]				
Are all inventor(s) same As the applicant(s) named above?		Yes (✓)		No ()
If “No”, furnish the details of the inventor(s)				
Name in Full	Nationality	Country of Residence	Address of the Inventor	
			House No.	

			Street		
			City		
			State		
			Country		
			Pin-code		
5. TITLE OF THE INVENTION					
Mobile Simulator Based Locating Multiple GPS Jammers Using Wireless Networked UAVs					
6.AUTHORISED REGISTERED PATENT AGENT(S)		IN/PA No.	NA		
		Name	NA		
		Mobile No.	NA		
7.ADDRESS FOR SERVICE FOR APPLICANT IN INDIA		Name	Dr.P.Rajaram		
		Postal Address	Associate Professor Computer Science and Engineering AKT Memorial College of Engineering and Technology, Neelamangalam, Kallakurichi – 606 202 Tamil Nadu, India		
		Telephone No.	NA		
		Mobile No.	8754340256		
		Fax. No.	NA		
		E-mail ID	rajaramnov82@gmail.com		
8.IN CASE OF APPLICATION CLAIMING PRIORITY OF APPLICATION FILED IN CONVENTION COUNTRY, PARTICULARS OF CONVENTION APPLICATION					
Country	Application Number	Filing Date	Name of the Applicant	Title of the invention	IPC(as classified in the convention country)
9. IN CASE OF PCT NATIONAL PHASE APPLICATION, PARTICULARS OF INTERNATIONAL APPLICATION FILED UNDER PATENT CO-OPERATION TREATY (PCT)					
International application number			International filing date		
10. IN CASE OF DIVISIONAL APPLICATION FILED UNDER SECTION 16, PARTICULARS OF ORIGINAL (FIRST) APPLICATION					
Original (first) application No.			Date of filing of original (first) application		
11. IN CASE OF PATENT OF ADDITION FILED UNDER SECTION 54, PARTICULARS OF MAIN APPLICATION OR PATENT					
Main application/patent No.			Date of filing of main application		
12. DECLARATIONS					
<p>(i) Declaration by the inventor(s) (In case the applicant is an assignee: The inventor(s) may sign herein below or the applicant may upload the assignment or enclose the assignment with this application for patent or send the assignment by post/electronic transmission duly authenticated within the prescribed period).</p> <p>We, the above named inventor(s) are the true & first inventor(s) for this Invention and declare that the applicant(s) herein are our assignee or legal representative.</p>					

(a) Date			
Signature :		Signature :	
Name :	Dr.P.Rajaram	Name :	S.Ramesh
Signature :		Signature :	
Name :	S.Jaya Prakash	Name :	A.Joseph Selva Kumar
Signature :		Signature :	
Name :	A.Sathishkumar	Name :	Dr.J.Indumathi
Signature :		Signature :	
Name :	Dr.J.Gitanjali	Name :	V.R.Niveditha
Signature :		Signature :	
Name :	Dr.S.Radha Rammohan	Name :	S.Magesh
<p>(ii) Declaration by the applicant(s) in the convention country (In case the applicant in India is different than the applicant in the convention country: the applicant in the convention country may sign herein below or applicant in India may upload the assignment from the applicant in the convention country or enclose the said assignment with this application for patent or send the assignment by post/electronic transmission duly authenticated within the prescribed period) We, the applicant(s) in the convention country declare that the applicant(s) herein is/are my/our assignee or legal representative.</p>			
<p>(a) Date</p> <p>(b) Signature(s)</p> <p>(c) Name(s) of the signatory</p>			
<p>(iii) Declaration by the applicant(s) I/We the applicant(s) hereby declare(s) that: -</p> <ul style="list-style-type: none"> ▪ We are in possession of the above-mentioned invention. ▪ The complete specification relating to the invention is filed with this application. ▪ The invention as disclosed in the specification uses the biological material from India and the necessary permission from the competent authority shall be submitted by us before the grant of patent to us. ▪ There is no lawful ground of objection(s) to the grant of the Patent to us. ▪ We are the true & first inventor(s). ▪ We are the assignee or legal representative of true & first inventor(s). ▪ The application or each of the applications, particulars of which are given in Paragraph-8, was the first application in convention country in respect of our invention(s). ▪ We claim the priority from the above mentioned application(s) filed in convention country and state that no application for protection in respect of the invention had been made in a convention country before that date by us or by any person from which we derive the title. ▪ Our application in India is based on international application under Patent Cooperation Treaty (PCT) as mentioned in Paragraph-9. ▪ The application is divided out of our application particulars of which is given in Paragraph-10 			

and pray that this application may be treated as deemed to have been filed on _____ under section 16 of the Act.

- The said invention is an improvement in or modification of the invention particulars of which are given in Paragraph-11.

13. FOLLOWING ARE THE ATTACHMENTS WITH THE APPLICATION

(a) Form 2

Item	Details	Fee	Remarks
Complete-Specification	No. of Pages : 7		
No. of Claim(s)	No. of Claims : 5 No. of Pages : 1		
Abstract	No. of Pages : 1		
No. of Drawing(s)	No. of Drawings : 3 No. of Pages : 3		

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

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

(c) Sequence listing in electronic form

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

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

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

(g) Statement and Undertaking on Form 3

(h) Declaration of Inventorship on Form 5

(i) Power of Authority

(j).....

Total fee ₹.....in Cash/ Banker's Cheque /Bank Draft bearing No..... Date.....on Bank.

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

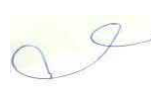
Dated thisday of2020

Signature : 

Name : Dr.P.Rajaram

Signature : 


Name : S.Jaya Prakash

Signature : 


Name : S.Ramesh

Signature : 

Name : A.Joseph Selva Kumar

Signature : 


Name : A.Sathishkumar

Signature : 

Name : Dr.J.Gitanjali

Signature : 


Name : Dr.S.Radha Rammohan

Signature : 

Name : Dr.J.Indumathi

Signature : 

Name : V.R.Niveditha

Signature : 

Name : S.Magesh

To,

The Controller of Patents











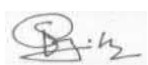
The Patent Office, at Chennai

<p style="text-align: center;">From 1</p> <p style="text-align: center;">THE PATENT ACT 1970</p> <p style="text-align: center;">(39 of 1970) &</p> <p style="text-align: center;">THE PATENT RULES, 2003</p> <p style="text-align: center;">APPLICATION FOR GRANT OF PATENT</p> <p style="text-align: center;">(See section 7 , 54 and 135 and sub-rule (1) of rule 20)</p>				(FOR OFFICE USE ONLY)	
				Application No.	
				Filing Date:	
				Amount of Fee Paid:	
				CBR No:	
				Signature:	
1. APPLICANT'S REFERENCE / IDENTIFICATION NO. (AS ALLOTTED BY OFFICE)					
2. TYPE OF APPLICATION [Please tick (✓) at the appropriate category]					
Ordinary(✓)		Convention()		PCT-NP()	
Divisional ()	Patent of Addition ()	Divisional ()	Patent of Addition ()	Divisional ()	Patent of Addition ()
3.A. APPLICANT(S)					
Name in Full	Nationality	Country of Residence	Address of the Applicant		
Mr.S. Magesh	Indian	India	House No.	2 nd Street, Venkatesa Nagar, Virugambakkam, Chennai-600092, Tamil Nadu, India	
			Street	Venkatesa Nagar	
			City	Chennai	
			State	Tamil Nadu	
			Country	India	
			Pin code	600092	
Mr.K.Mahendran	Indian	India	House No.	Assistant Professor, Department of Electronics & Communication Engineering CK College of Engineering & Technology, Jeyaramnagar, Chellangkuppam Cuddalore – 607003, Tamil Nadu, India	
			Street	Chellangkuppam	
			City	Cuddalore	
			State	Tamil Nadu	
			Country	India	
			Pin code	607003	
Mrs.V.R.Niveditha	Indian	India	House No.	#105 B Block Tenth Floor TNHB Flats, Thirumangalam, Opp.Hp Petrol Bunk, Annanagar West Ext., Chennai-600040 Tamil Nadu, India	

			Street	Annanagar West Ext.
			City	Chennai
			State	Tamil Nadu
			Country	India
			Pin code	600040
Dr.S.Radha Rammohan	Indian	India	House No.	Sri Annai Illam, 18, Chettikulam Street, NGO Nagar, Big Kancheepuram Kancheepuram- 631502 Tamil Nadu, India
			Street	NGO Nagar
			City	Kancheepuram
			State	Tamil Nadu
			Country	India
Mrs.N.Jayashri	Indian	India	Pin code	631502
			House No.	S2-Pallav Soundarya, II Floor ,No.1 Alwar Nagar I Street, Nanganallur, Chennai- 600061, Tamil Nadu, India
			Street	Alwar Nagar I
			City	Chennai
			State	Tamil Nadu
Mrs.K. Sudha	Indian	India	Country	India
			Pin code	600061
			House No.	E7-50, KRP Colony, Sullurpet, Nellore -524121, Andra Pradesh, India
			Street	KRP Colony
			City	Nellore
Dr. R. Vidya	Indian	India	State	Andra Pradesh
			Country	India
			Pin code	524121
			House No.	Assistant Professor PG and Research Department of Computer Science, St. Joseph's College of Arts and Science, Cuddalore- 607001, Tamil Nadu, India
			Street	St. Joseph's College of Arts and Science
Mr.S.Ramesh	Indian	India	City	Cuddalore
			State	Tamil Nadu
			Country	India
			Pin code	607001
			House No.	#69,First Cross Street, Pazhani Pillai Nagar, Koothapakkam, Cuddalore-607002 Tamil Nadu, India
			Street	Pazhani Pillai Nagar

			City	Cuddalore
			State	Tamil Nadu
			Country	India
			Pin code	607002
Dr.P.Rajaram	Indian	India	House No.	# 758 ,Kattukottai, Namasivayapuram(Village), Thottiam(Po), Kallakurichi-606 201 Tamil Nadu, India
			Street	Kattukottai
			City	Kallakurichi
			State	Tamil Nadu
			Country	India
			Pin code	606 201
Dr. Pankaj Dadheech	Indian	India	House No.	Associate Professor Department of Computer Science & Engineering Swami Keshvan and Institute of Technology, Management & Gramothan, Ramnagar, Jagatpura, Jaipur- 302 017,Rajasthan, India
			Street	Jagatpura
			City	Jaipur
			State	Rajasthan
			Country	India
			Pin code	302 017
Dr.S.R.Dogiwal	Indian	India	House No.	Associate Professor, Department of Information Technology, Swami Keshvanand Institute of Technology, Management & Gramothan (SKIT), Ramnagar, Jagatpura, Jaipur, Rajasthan, India-302017
			Street	Ramnagar
			City	Jaipur
			State	Rajasthan
			Country	India
			Pin code	302017
3.B. Category of applicant [Please tick() at the appropriate category]				
Natural Person(✓)		Other than Natural Person		
	Small Entity ()	Startup ()	Others ()	
4. Inventor(s) [Please tick() at the appropriate category]				
Are all inventor(s) same As the applicant(s) named above?		Yes (✓)		No ()
If "No", furnish the details of the inventor(s)				
Name in Full	Nationality	Country of	Address of the Inventor	

		Residence			
			House No.		
			Street		
			City		
			State		
			Country		
			Pin code		
5. TITLE OF THE INVENTION					
Accuracy of Open-Air Temperature Prediction by Smart Weather Monitoring System for Effective Analytics using IoT Devices					
6.AUTHORISED REGISTERED PATENT AGENT(S)			IN/PA No.	NA	
			Name	NA	
			Mobile No.	NA	
7.ADDRESS FOR SERVICE FOR APPLICANT IN INDIA			Name	Mr.S. Magesh	
			Postal Address	2 nd Street, Venkatesa Nagar, Virugambakkam Chennai-600092 Tamil Nadu, India	
			Telephone No.	NA	
			Mobile No.	9790911374	
			Fax. No.	NA	
			E-mail ID	techiemagesh@gmail.com	
8.IN CASE OF APPLICATION CLAIMING PRIORITY OF APPLICATION FILED IN CONVENTION COUNTRY, PARTICULARS OF CONVENTION APPLICATION					
Country	Application Number	Filing Date	Name of the Applicant	Title of the invention	IPC(as classified in the convention country)
9. IN CASE OF PCT NATIONAL PHASE APPLICATION, PARTICULARS OF INTERNATIONAL APPLICATION FILED UNDER PATENT CO OPERATION TREATY (PCT)					
International application number			International filing date		
10. IN CASE OF DIVISIONAL APPLICATION FILED UNDER SECTION 16, PARTICULARS OF ORIGINAL (FIRST) APPLICATION					
Original (first) application No.			Date of filing of original (first) application		
11. IN CASE OF PATENT OF ADDITION FILED UNDER SECTION 54, PARTICULARS OF MAIN APPLICATION OR PATENT					
Main application/patent No.			Date of filing of main application		
12. DECLARATIONS					
<p>(i) Declaration by the inventor(s) (In case the applicant is an assignee: The inventor(s) may sign herein below or the applicant may upload the assignment or enclose the assignment with this application for patent or send the assignment by post/electronic transmission duly authenticated within the prescribed period).</p> <p>We, the above named inventor(s) are the true & first inventor(s) for this Invention and declare that the applicant(s) herein are our assignee or legal representative.</p> <p>(a) Date</p>					

1. Signature : 	2. Signature : 
Name : Mr. S. Magesh	Name : Mr. K. Mahendran
3. Signature : 	4. Signature : 
Name : Mrs. V. R. Niveditha	Name : Dr. S. Radha Rammohan
5. Signature : 	6. Signature : 
Name : Mrs. N. Jayashri	Name : Mrs. K. Sudha
7. Signature : 	8. Signature : 
Name : Dr. R. Vidya	Name : Mr. S. Ramesh
9. Signature : 	10. Signature : 
Name : Dr. P. Rajaram	Name : Dr. Pankaj Dadheech
11. Signature : 	
Name : Dr. S. R. Dogiwal	
<p>(ii) Declaration by the applicant(s) in the convention country (In case the applicant in India is different than the applicant in the convention country: the applicant in the convention country may sign herein below or applicant in India may upload the assignment from the applicant in the convention country or enclose the said assignment with this application for patent or send the assignment by post/electronic transmission duly authenticated within the prescribed period) We, the applicant(s) in the convention country declare that the applicant(s) herein is/are my/our assignee or legal representative. (a) Date (b) Signature(s) (c) Name(s) of the signatory</p>	
<p>(iii) Declaration by the applicant(s) I/We the applicant(s) hereby declare(s) that: -</p> <ul style="list-style-type: none"> ▪ We are in possession of the above-mentioned invention. ▪ The complete specification relating to the invention is filed with this application. ▪ The invention as disclosed in the specification uses the biological material from India and the necessary permission from the competent authority shall be submitted by us before the grant of patent to us. ▪ There is no lawful ground of objection(s) to the grant of the Patent to us. ▪ We are the true & first inventor(s). ▪ We are the assignee or legal representative of true & first inventor(s). ▪ The application or each of the applications, particulars of which are given in Paragraph-8, was the first application in convention country in respect of our invention(s). ▪ We claim the priority from the above mentioned application(s) filed in convention country and 	

state that no application for protection in respect of the invention had been made in a convention country before that date by us or by any person from which we derive the title.

- Our application in India is based on international application under Patent Cooperation Treaty (PCT) as mentioned in Paragraph-9.
- The application is divided out of our application particulars of which is given in Paragraph-10 and pray that this application may be treated as deemed to have been filed on _____ under section 16 of the Act.
- The said invention is an improvement in or modification of the invention particulars of which are given in Paragraph-11.

13. FOLLOWING ARE THE ATTACHMENTS WITH THE APPLICATION

(a) Form 2

Item	Details	Fee	Remarks
Complete Specification	No. of Pages : 6		
No. of Claim(s)	No. of Claims : 3 No. of Pages : 1		
Abstract	No. of Pages : 1		
No. of Drawing(s)	No. of Drawings : 2 No. of Pages : 2		

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

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

(c) Sequence listing in electronic form

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

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

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

(g) Statement and Undertaking on Form 3

(h) Declaration of Inventorship on Form 5


(i) Power of Authority

(j).....

Total fee ₹.....in Cash/ Banker's Cheque /Bank Draft bearing No..... Date.....on Bank.

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


Dated thisday of2020

1. Signature : 


2. Signature : 

Name : Mr.S.Magesh


Name : Mr.K.Mahendran

3. Signature : 


Name : Mrs. V.R. Niveditha

4. Signature : 


Name : Dr. S. Radha Rammohan

5. Signature : 


Name : Mrs. N. Jayashri

6. Signature : 


Name : Mrs. K. Sudha

7. Signature : 

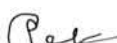
Name : Dr. R. Vidya

8. Signature : 


Name : Mr. S. Ramesh

9. Signature : 

Name : Dr. P. Rajaram

10. Signature : 

Name : Dr. Pankaj Dadheech

11. Signature : 

Name : Dr. S.R. Dogiwal

To,

The Controller of Patents
The Patent Office, at Chennai

FORM 1
THE PATENTS ACT, 1970
(39 of 1970)

&
THE PATENTS RULES, 2003
APPLICATION FOR GRANT OF PATENT
[See sections 7, 54 & 135 and rule 20(1)]

(FOR OFFICE USE ONLY)

Application No.:

Filing Date:

Amount of Fee Paid:

CBR No.:

Signature:

1. APPLICANT(S):

Sr.No.	Name	Nationality	Address	Country	State
1	Dr. S. NIRMALA SUGIRTHA RAJINI	India	Professor, Department of Computer Applications, Dr.M.G.R.Educational and Research Institute., Periyar E.V.R High Road, Maduravoyal, Chennai, Tamil Nadu, India 600095.	India	Tamil Nadu
2	Dr.D.SARAVANAN	India	Associate Professor, Operations & IT, IFHE University, IBS Hyderabad, The ICFAI Foundation for Higher Education (Declared as Deemed-to-be university u/s 3 of the UGC Act 1956), Dontanpalli (Village), Shankerpalli Road, Hyderabad, Telangana., India. Pin: 501203.	India	Telangana
3	Dr B. MUTHUKUMAR	India	Professor, Computer Science and Engineering, Mohamed Sathak A J College of Engineering, IT Park, Siruseri, Old Mahabalipuram Road, Chennai, Tamil Nadu 603103	India	Tamil Nadu
4	Dr. S. MATHIVILASINI	India	Assistant Professor, Computer Science, Ethiraj College for	India	Tamil Nadu

			Women- Chennai, Chennai, Tamil Nadu, India-600 008		
5	Dr.D. SRIDEVI	India	Assistant Professor, Computer Science, Ethiraj College for Women- Chennai, Chennai, Tamil Nadu, India-600 008	India	Tamil Nadu
6	Dr. S. VAITHYASUBRAMANIAN	India	Assistant Professor, Mathematics, Sathyabama Institute of Science And Technology, Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 119	India	Tamil Nadu
7	Dr .CHANDU P. M.S.S	India	Associate Professor, Department of CSE, Siddarth Institute of Engineering and Technology, Puttur. Narayanavanam Road, Near Tirupathi -Chennai Highway, Siddharth Nagar, Puttur, Chittoor, Andhra Pradesh - 517583	India	Andhra Pradesh
8	S.LEENA NESAMANI	India	Research Scholar, Department of Computer Applications, Dr.M.G.R.Educational and Research Institute, Periyar E.V.R High Road, Maduravoyal, Chennai, Tamil Nadu, India -600095	India	Tamil Nadu

2. INVENTOR(S):

Sr.No.	Name	Nationality	Address	Country	State
1	Dr. S. NIRMALA SUGIRTHA RAJINI	India	Professor, Department of Computer Applications, Dr.M.G.R.Educational and Research Institute., Periyar E.V.R High Road,	India	Tamil Nadu

			Maduravoyal, Chennai, Tamil Nadu, India 600095.		
2	Dr.D.SARAVANAN	India	Associate Professor, Operations & IT,IFHE University, IBS Hyderabad,The ICFAI Foundation for Higher Education (Declared as Deemed-to-be university u/s 3 of the UGC Act 1956), Dontanpalli (Village), Shankerpalli Road,Hyderabad, Telangana., India.Pin: 501203.	India	Telangana
3	Dr B. MUTHUKUMAR	India	Professor, Computer Science and Engineering, Mohamed Sathak AJ College of Engineering,IT Park, Siruseri, Old Mahabalipuram Road, Chennai, Tamil Nadu 603103	India	Tamil Nadu
4	Dr. S. MATHIVILASINI	India	Assistant Professor, Computer Science, Ethiraj College for Women- Chennai, Chennai, Tamil Nadu, India-600 008	India	Tamil Nadu
5	Dr.D. SRIDEVI	India	Assistant Professor, Computer Science, Ethiraj College for Women- Chennai, Chennai, Tamil Nadu, India-600 008	India	Tamil Nadu
6	Dr. S. VAITHYASUBRAMANIAN	India	Assistant Professor, Mathematics, Sathyabama Institute of Science And Technology, Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 119	India	Tamil Nadu
7	Dr .CHANDU P. M.S.S	India	Associate Professor, Department of CSE, Siddarth Institute of Engineering and Technology, Puttur. Narayanavanam Road, Near Tirupathi	India	Andhra Pradesh

			-Chennai Highway, Siddharth Nagar, Puttur, Chittoor, Andhra Pradesh - 517583		
8	S.LEENA NESAMANI	India	Research Scholar, Department of Computer Applications, Dr.M.G.R.Educational and Research Institute, Periyar E.V.R High Road, Maduravoyal, Chennai, Tamil Nadu, India -600095	India	Tamil Nadu

3. TITLE OF THE INVENTION: MACHINE TO MACHINE (M2M) CROSS LAYER ROUTING PROTOCOL METHOD FOR SMART CITY DATA MANAGEMENT SYSTEM

4. ADDRESS FOR CORRESPONDENCE OF APPLICANT/ AUTHORISED PATENT AGENT IN INDIA:

Dr. S. NIRMALA SUGIRTHA RAJINI, Professor,
Department of Computer Applications,
Dr.M.G.R.Educational and Research Institute., Periyar E.V.R
High Road, Maduravoyal, Chennai, Tamil Nadu, India
600095.

Telephone No.:

Fax No.:

Mobile No:

E-

mail: nirmalasugirtharajini.mca@drmgrdu.ac.in

5. PRIORITY PARTICULARS OF THE APPLICATION(S) FILED IN CONVENTION COUNTRY:

Sr.No.	Country	Application Number	Filing Date	Name of the Applicant	Title of the Invention
--------	---------	--------------------	-------------	-----------------------	------------------------

6. PARTICULARS FOR FILING PATENT COOPERATION TREATY (PCT) NATIONAL PHASE APPLICATION:

International Application Number	International Filing Date as Allotted by the Receiving Office
PCT//	

7. PARTICULARS FOR FILING DIVISIONAL APPLICATION

Original (first) Application Number	Date of Filing of Original (first) Application
-------------------------------------	--

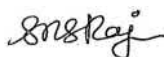
8. PARTICULARS FOR FILING PATENT OF ADDITION:**Main Application / Patent Number:****Date of Filing of Main Application****9. DECLARATIONS:****(i) Declaration by the inventor(s)**

I/We ,Dr. S. NIRMALA SUGIRTHA RAJINI,Dr.D.SARAVANAN,Dr B. MUTHUKUMAR,Dr. S. MATHIVILASINI,Dr.D. SRIDEVI,Dr. S. VAITHYASUBRAMANIAN,Dr .CHANDU P. M.S.S,S.LEENA NESAMANI, is/are the true & first inventor(s) for this invention and declare that the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date: -----

(b) Signature(s) of the inventor(s):

(c) Name(s):

1 Dr. S. NIRMALA
SUGIRTHA RAJINI

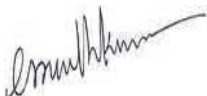
5 Dr.D. SRIDEVI



2 Dr.D.SARAVANAN

6 Dr. S.
VAITHYASUBRAMANI
AN
(S.VAITHYASUBRAMANIAN)

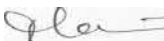
3 Dr B. MUTHUKUMAR



7 Dr .CHANDU P. M.S.S


(CHANDU P.M.S.S.)

4 Dr. S. MATHIVILASINI



8 S.LEENA NESAMANI


Leena Nesamani**(ii) Declaration by the applicant(s) in the convention country**

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

(a) Date: -----

(b) Signature(s) :

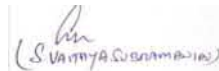
(c) Name(s) of the singnatory:

1 Dr. S. NIRMALA
SUGIRTHA RAJINI


5 Dr.D. SRIDEVI



2 Dr.D.SARAVANAN

6 Dr. S.
VAITHYASUBRAMANI
AN
(S.VAITHYASUBRAMANIAN)

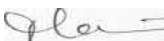
3 Dr B. MUTHUKUMAR



7 Dr .CHANDU P. M.S.S


(CHANDU P.M.S.S.)

4 Dr. S. MATHIVILASINI



8 S.LEENA NESAMANI


Leena Nesamani**(iii) Declaration by the applicant(s)**

- The Complete specification relating to the invention is filed with this application.
- I am/We are, in the possession of the above mentioned invention.

- ♦ **There is no lawful ground of objection to the grant of the Patent to me/us.**

10. FOLLOWING ARE THE ATTACHMENTS WITH THE APPLICATION:

Sr.	Document Description	FileName
------------	-----------------------------	-----------------

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

Dated this(Final Payment Date): -----

To The Controller of Patents

The Patent office at

CHENNAI



क्रमांक : 044117675
SL No :



भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE
पेटेंट प्रमाणपत्र
PATENT CERTIFICATE
(Rule 74 Of The Patents Rules)

पेटेंट सं. / Patent No. : 332535
आवेदन सं. / Application No. : 5845/CHE/2014
फाइल करने की तारीख / Date of Filing : 21/11/2014
पेटेंटी / Patentee : M. VIJAY ANAND

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में यथाप्रकटित TOOTHBRUSH FOR TEACHING PROPER BRUSHING TECHNIQUE नामक आविष्कार के लिए, पेटेंट अधिनियम, १९७० के उपबंधों के अनुसार आज तारीख 21st day of November 2014 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 TOOTHBRUSH FOR TEACHING PROPER BRUSHING TECHNIQUE as disclosed in the above mentioned application for the term of 20 years from the 21st day of November 2014 in accordance with the provisions of the Patents Act, 1970.




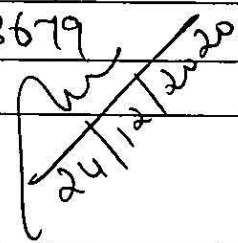
अनुदान की तारीख
Date of Grant : 20/02/2020

पेटेंट नियंत्रक
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, 21st day of November 2016 से और उसके पश्चात प्रत्येक वर्ष से उसी दिन देव होगी।
Note - The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on 21st day of November 2016 and on the same day in every year thereafter.

Exp/16
New Prodn
2-9
24/12/2020

D/111280

"FORM 1" THE PATENTS ACT 1970 (39 of 1970) and THE PATENTS RULES, 2003 APPLICATION FOR GRANT OF PATENT (See section 7, 54 and 135 and sub-rule (1) of rule 20)				(FOR OFFICE USE)  700295136	
Application No.				202041056246	
Filing date:				24/12/2020	
Amount of Fee paid:				1750/-	
CBR No:				43679	
Signature:				 24/12/2020	
1. APPLICANT'S REFERENCE / IDENTIFICATION NO. (AS ALLOTTED BY OFFICE)					
2. TYPE OF APPLICATION [Please tick (✓) at the appropriate category]					
Ordinary (✓)		Convention ()		PCT-NP ()	
Divisional ()	Patent of Addition (✓)	Divisional ()	Patent of Addition ()	Divisional ()	Patent of Addition ()
3A. APPLICANT(S)					
Name in Full		Nationality	Country of Residence	Address of the Applicant	
Dr. M. S. JOSEPHINE		INDIAN	INDIA	House No.	H3-T3
				Street	VGN Minerva, nolumbur, 273, Gurusamy road
				City	chennai
				State	Tamilnadu
				Country	India
				Pin code	600095
Name in Full		Nationality	Country of Residence	Address of the Applicant	
Dr. V. JEYABALARAJA		INDIAN	INDIA	House No.	Velammal engineering college
				Street	surapet
				City	chennai
				State	Tamilnadu

			Country	India
			Pin code	600066
Name in Full	Nationality	Country of Residence	Address of the Applicant	
DR. S. KEVIN ANDREWS	INDIAN	INDIA	House No.	Dr. M.G.R Educational and research institute
			Street	Madhuravoyal
			City	chennai
			State	Tamilnadu
			Country	India
			Pin code	600095
Name in Full	Nationality	Country of Residence	Address of the Applicant	
Ms. NITHYA.V	INDIAN	INDIA	House No.	Dr. M.G.R Educational and Research Institute
			Street	Madhuravoyal
			City	chennai
			State	Tamil Nadu
			Country	India
			Pin code	600095
Name in Full	Nationality	Country of Residence	Address of the Applicant	
M.ANITA PRISCILLA MARY	Indian	India	House No.	Anna Adarsh College for Women
			Street	A-1 II Street, Off, 9th Main Rd, Anna Nagar,
			City	Chennai
			State	Tamil nadu
			Country	India
			Pin code	600040
Name in Full	Nationality	Country of Residence	Address of the Applicant	
VINMATHI M S	INDIAN	INDIA	House No.	Panimalar engineering college
			Street	Banglore trunk road, poonmallee
			City	Chennai
			State	Tamil nadu
			Country	India

			Pin code	600123
Name in Full	Nationality	Country of Residence	Address of the Applicant	
V. SATHIYA	INDIAN	INDIA	House No.	Panimalar engineering college
			Street	Bangalore trunk road, poonmallee
			City	Chennai
			State	Tamil nadu
			Country	India
			Pin code	600123
Name in Full	Nationality	Country of Residence	Address of the Applicant	
MAHESWARI M	INDIAN	INDIA	House No.	Panimalar engineering college
			Street	Bangalore trunk road, poonmallee
			City	Chennai
			State	Tamil nadu
			Country	India
			Pin code	600123
Name in Full	Nationality	Country of Residence	Address of the Applicant	
M. REGINA	INDIAN	INDIA	House No.	Loyola college
			Street	Sterling road, nugambakam
			City	chennai
			State	tamilnadu
			Country	India
			Pin code	600034
3B. CATEGORY OF APPLICANT [Please tick (✓) at the appropriate category]				
Natural Person ()	Other than Natural Person			
	Small Entity ()	Startup ()	Others ()	
4. INVENTOR(S) [Please tick (✓) at the appropriate category]				
Are all the inventor(s)	Yes (✓)	No ()		

same as the applicant(s) named above?				
If "No", furnish the details of the inventor(s)				
Name in Full	Nationality	Country of Residence		
Dr. M. S. JOSEPHINE	INDIAN	INDIA		
			House No.	H3-T3
			Street	VGN Minerva, nolumbur,273, Gurusamy road
			City	chennai
			State	Tamilnadu
			Country	India
Pin code	600095			
Name in Full	Nationality	Country of Residence		
Dr. V. JEYABALARAJA	INDIAN	INDIA		
			House No.	Velammal engineering college
			Street	surapet
			City	chennai
			State	Tamilnadu
			Country	India
Pin code	600066			
Name in Full	Nationality	Country of Residence		
DR. S. KEVIN ANDREWS	INDIAN	INDIA		
			House No.	Dr. M.G.R Educational and research institute
			Street	Madhuravoyal
			City	chennai
			State	Tamilnadu
			Country	India
Pin code	600095			
Name in Full	Nationality	Country of Residence		
Ms. NITHYA.V	INDIAN	INDIA		
			House No.	Dr. M.G.R Educational and Research Institute
			Street	Madhuravoyal
			City	chennai
State	Tamil Nadu			

			Country	India
			Pin code	600095
Name in Full	Nationality	Country of Residence	Address of the Applicant	
M.ANITA PRISCILLA MARY	Indian	India	House No.	Anna Adarsh College for Women
			Street	A-1 II Street, Off, 9th Main Rd, Anna Nagar,
			City	Chennai
			State	Tamil nadu
			Country	India
			Pin code	600040
Name in Full	Nationality	Country of Residence	Address of the Applicant	
VINMATHI M S	INDIAN	INDIA	House No.	Panimalar engineering college
			Street	Banglore trunk road, poonmallee
			City	Chennai
			State	Tamil nadu
			Country	India
			Pin code	600123
Name in Full	Nationality	Country of Residence	Address of the Applicant	
V. SATHIYA	INDIAN	INDIA	House No.	Panimalar engineering college
			Street	Banglore trunk road, poonmallee
			City	Chennai
			State	Tamil nadu
			Country	India
			Pin code	600123
Name in Full	Nationality	Country of Residence	Address of the Applicant	
MAHESWARI M	INDIAN	INDIA	House No.	Panimalar engineering college
			Street	Banglore trunk road, poonmallee
			City	Chennai
			State	Tamil nadu

			Country	India
			Pin code	600123
Name in Full	Nationality	Country of Residence	Address of the Applicant	
M. REGINA	INDIAN	INDIA	House No.	Loyola college
			Street	Sterling road,nugambakam
			City	chennai
			State	tamilnadu
			Country	India
			Pin code	600034

5. TITLE OF THE INVENTION: SMART WEARABLE TEMPERATURE MONITORING DEVICE WITH SOCIAL DISTANCE FEATURE BASED ON IOT

6. AUTHORISED REGISTERED PATENT AGENT(S)	IN/PA No.	
	Name	
	Mobile No.	
7. ADDRESS FOR SERVICE OF APPLICANT IN INDIA	Name	DR. M. S. JOSEPHINE
	Postal Address	H3-T3 VGN Minerva, nolumbur,273, Gurusamy road,Chennai-600095
	Telephone No.	
	Mobile No.	9840636843
	Fax No.	
	E-mail ID	Josejbr.07@gmail.com
	Name	Dr. V. Jeyabalaraja
	Postal Address	H3-T3 VGN Minerva, nolumbur,273, Gurusamy road,Chennai-600095
	Telephone No.	7200064865
	Mobile No.	
	Fax No.	
	E-mail ID	jeyabalaraja@gmail.com
	Name	Dr. S. KEVIN ANDREWS
	Postal Address	C1-24,Jaibharath apartments,6 th main road,mogappair erischeme,Chennai-600037
	Telephone No.	9488007744

	Mobile No.	9488007744
	Fax No.	
	E-mail ID	stevekevins89@gmail.com
	Name	Ms. NITHYA. V
	Postal Address	No.378/17 R.K.Flats 19th Main Road Anna Nagar West, Chennai-600 040
	Telephone No.	
	Mobile No.	09841166536
	Fax No.	
	E-mail ID	Nithyaarunkumar66@gmail.co m
	Name	M. ANITA PRISCILLA MARY
	Postal Address	Newno:69, old:88, maharani flats, ground floor, Othavadai street, Kodambakkam, chennai-600024
	Telephone No.	
	Mobile No.	9841300772
	Fax No.	
	E-mail ID	Anitapriscilla80@gmail.com
	Name	VINMATHI M S
	Postal Address	Door no: t4, plot no 120,bajanai kovil street, Chennai-600094
	Telephone No.	-
	Mobile No.	9444392085
	Fax No.	-
E-mail ID	vinmathis@gmail.com	
Name	V.SATHIYA	
Postal Address	6, c.r. Ramakrishna puram, kasthuri flats, mugulivakkam , Chennai-600125	
Telephone No.	044-29500140	
Mobile No.	9488448417	
Fax No.	-	
E-mail ID	Sathiyaviji73@gmail.com	
Name	MAHESWARI M	

7

	Postal Address	Suma flat, flat fl, B block ,sri Venkateshwara nagar, maduravoyal , chennai-600095			
	Telephone No.	9962099160			
	Mobile No.	9962099160			
	Fax No.	m.mahe05@gmail.com			
	E-mail ID	Maheswari M			
	Name	M.REGINA			
	Postal Address	II c,deshmaa green park,2 nd main road, mugalivakkam, Chennai-600125			
	Telephone No.				
	Mobile No.	8939676829			
	Fax No.				
	E-mail ID	reginamathew@loyolacollege.edu			
8. IN CASE OF APPLICATION CLAIMING PRIORITY OF APPLICATION FILED IN CONVENTION COUNTRY, PARTICULARS OF CONVENTION APPLICATION					
Country	Application Number	Filing date	Name of the Applicant	Title of the invention	IPC (as classified in the convention country)
9. IN CASE OF PCT NATIONAL PHASE APPLICATION, PARTICULARS OF INTERNATIONAL APPLICATION FILED UNDER PATENT CO-OPERATION TREATY (PCT)					
International application number			International filing date		
10. IN CASE OF DIVISIONAL APPLICATION FILED UNDER SECTION 16, PARTICULARS OF ORIGINAL (FIRST) APPLICATION					
Original (first) application No.			Date of filing of original (first) application		
11. IN CASE OF PATENT OF ADDITION FILED UNDER SECTION 54, PARTICULARS OF MAIN APPLICATION OR PATENT					
Main application/patent No.			Date of filing of main application		
12. DECLARATIONS					

(i) Declaration by the inventors

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

We, the above-named inventors are the true & first inventors for this Invention and declare that the applicants herein are our assignee or legal.

(a) Date: 23.12.2020



(b) Signature:

(c) Name: Dr. M.S. JOSEPHINE

(a) Date: 23.12.2020



(b) Signature:

(c) Name: Dr. V. JEYABALARAJA

(a) Date: 23.12.2020



(b) Signature:

(c) Name: Dr. S. KEVIN ANDREWS

(a) Date: 23.12.2020



(b) Signature:

(c) Name: Ms. NITHYA. V

(a) Date: 23.12.2020



(b) Signature:

(c) Name: M. ANITHA MARY PRISCILLA

(a) Date: 23.12.2020



(b) Signature:

(c) Name: VINMATHI M S

(a) Date: 23.12.2020

(b) Signature:

V. Sathya

(c) Name: SATHIYA.V

(a) Date: 23.12.2020

(b) Signature:

M. Maheswari

(c) Name: MAHESWARI

(a) Date: 23.12.2020

(b) Signature:

M. Regina

(c) Name: M. REGINA

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

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

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

(a) Date

(b) Signature(s)

(c) Name(s) of the signatory

(iii) Declaration by the applicants

We the applicants hereby declares that: -

We are in possession of the above-mentioned invention.

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

13. FOLLOWING ARE THE ATTACHMENTS WITH THE APPLICATION

(a) Form 2

Item	Details	Fee	Remarks
Complete/ provisional specification)#	No. of pages One		
No. of Claim(s)	No. of claims Eight and No. of pages- Two		
Abstract	No. of pages- One		
No. of Drawing(s)	No. of drawings and No. of pages - Seven and Five		

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

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

(c) Sequence listing in electronic form

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

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

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

(g) Statement and Undertaking on Form 3

(h) Declaration of Inventorship on Form 5

(i) _____ Power _____ of _____ Authority

(j) _____

Total fee ₹ 4,500.00 in Demand Draft No. 211944 Dt 21.12.2020 Drawn on Axis Bank, Nanganallur Branch.

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

Dated this Thursday of 23rd December 2020

Signature: 

Name: Dr. M. S. JOSEPHINE

Signature: 

Name: Dr. V. JEYABALARAJA

Signature: 

Name: Dr. S. KEVIN ANDREWS

Signature: 

Name: Ms. NITHYA. V

Signature: 

Name: M. ANITHA MARY PRISCILLA

Signature: 

Name: VINMATHI M S

Signature: 

Name: SATHIYA. V

Signature: 

Name: MAHESWARI

Signature: 

Name: M. REGINA

To,

The Controller of Patents

The Patent Office, at Guindy, Chennai – 600 032.

Note: -

- * Repeat boxes in case of more than one entry.
- * To be signed by the applicant(s) or by authorized registered patent agent otherwise where mentioned.
- * Tick (✓)/cross (x) whichever is applicable/not applicable in declaration in paragraph-12.
- * Name of the inventor and applicant should be given in full, family name in the beginning.
- * Strike out the portion which is/are not applicable.
- * For fee: See First Schedule";

“FORM 1 THE PATENTS ACT 1970 (39 of 1970) and THE PATENTS RULES, 2003 APPLICATION FOR GRANT OF PATENT (See section 7, 54 and 135 and sub-rule (1) of rule 20)				(FOR OFFICE USE ONLY)	
				Application No.	
				Filing date:	
				Amount of Fee paid:	
				CBR No:	
				Signature:	
1. APPLICANT'S REFERENCE / IDENTIFICATION NO. (AS ALLOTTED BY OFFICE)					
2. TYPE OF APPLICATION [Please tick (✓) at the appropriate category]					
Ordinary (✓)		Convention ()		PCT-NP ()	
Divisional ()	Patent of Addition ()	Divisional ()	Patent of Addition ()	Divisional ()	Patent of Addition ()
3A. APPLICANT(S)					
Name in Full		Nationality	Country of	Address of the Applicant	
Dr.S.Radha Rammohan		Indian	India	House No.	Dr.M.G.R Educational and Research Institute.
				Street	Periyar E.V.R. High Road, Maduravoyal
				City	Chennai
				State	Tamilnadu
				Country	India
				Pin code	600095
Dr. K.Umapathy		Indian	India	House No.	SCSVMV
				Street	Sri Jayendra Saraswathi Street, Enathur
				City	Kanchipuram
				State	Tamilnadu
				Country	India
				Pin code	631561
Dr.Viji Vinod		Indian	India	House No.	Dr.M.G.R Educational and Research Institute.
				Street	Periyar E.V.R. High Road,
				City	Chennai
				State	Tamilnadu
				Country	India
				Pin code	600095
R.Deepika		Indian	India	House No.	SRI SAIRAM ENGINEERING COLLEGE,

			Street	Sai Leo Nagar,West
			City	Chennai
			State	Tamilnadu
			Country	India
			Pin code	600044
M.Bhuvaneswari	Indian	India	House No.	Dr.M.G.R Educational and Research Institute.
			Street	Periyar E.V.R. High Road, Maduravoyal
			City	Chennai
			State	Tamilnadu
			Country	India
			Pin code	600095
N. Jayashri	Indian	India	House No.	Dr.M.G.R Educational and Research Institute.
			Street	Periyar E.V.R. High Road, Maduravoyal
			City	Chennai
			State	Tamilnadu
			Country	India
			Pin code	600095
N.Keerthana	Indian	India	House No.	Dr.M.G.R Educational and Research Institute.
			Street	Periyar E.V.R. High Road, Maduravoyal
			City	Chennai
			State	Tamilnadu
			Country	India
			Pin code	600095
			Pin code	Dr.M.G.R Educational and Research Institute.
3B. CATEGORY OF APPLICANT [Please tick (✓) at the appropriate category]				
Natural Person ()		Other than Natural Person		
		Small Entity ()	Startup ()	
4. INVENTOR(S) [Please tick (✓) at the appropriate category]				
Are all the inventor(s)		Yes (✓)		No ()
same as the applicant(s) named above?				
If “No”, furnish the details of the inventor(s)				
Name in Full	Nationality	Country of Residence	Address of the Inventor	

5. TITLE OF THE INVENTION					
Realtime Data Based Hitech Classroom					
6. AUTHORISED REGISTERED PATENT AGENT(S)			IN/PA No.		
			Name		
			Mobile No.		
7. ADDRESS FOR SERVICE OF APPLICANT IN INDIA Dr.S.RADHA RAMMOHAN Professor Department of Computer Applications Dr.M.G.R Educational and Research Institute Chennai, India.			Name		
			Postal Address		
			Telephone No.		
			Mobile No.		+91 9444478624
			Fax No.		
			E-mail ID		umapathykannan@gmail.com
8. IN CASE OF APPLICATION CLAIMING PRIORITY OF APPLICATION FILED IN CONVENTION COUNTRY, PARTICULARS OF CONVENTION APPLICATION					
Country	Application Number	Filing date	Name of the applicant	Title of the invention	IPC (as classified in the convention country)
9. IN CASE OF PCT NATIONAL PHASE APPLICATION, PARTICULARS OF INTERNATIONAL APPLICATION FILED UNDER PATENT CO-OPERATION TREATY (PCT)					
International application number			International filing date		
10. IN CASE OF DIVISIONAL APPLICATION FILED UNDER SECTION 16, PARTICULARS OF ORIGINAL (FIRST) APPLICATION					
Original (first) application No.			Date of filing of original (first) application		
11. IN CASE OF PATENT OF ADDITION FILED UNDER SECTION 54, PARTICULARS OF MAIN APPLICATION OR PATENT					
Main application/patent No.			Date of filing of main application		
12. DECLARATIONS					

(i) Declaration by the inventor(s)

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

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

(a) Date

(b) Signature(s)

(c) Name(s)

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

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

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

(a) Date

(b) Signature(s)

(c) Name(s) of the signatory

(iii) Declaration by the applicant(s)

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

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

13. FOLLOWING ARE THE ATTACHMENTS WITH THE APPLICATION

(a) Form 2

Item	Details	Fee	Remarks
Complete/ provisional specification)#	No. of pages- 7		
No. of Claim(s)	No. of claims- 5 and No. of pages – 1		
Abstract	No. of pages- 1		
No. of Drawing(s)	No. of drawings - 1 and No. of pages - 1		

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

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

(c) Sequence listing in electronic form

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

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

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

(g) Statement and Undertaking on Form 3

(h) Declaration of Inventorship on Form 5

(i) Power of Authority

(j).....

**Total fee ₹.....in Cash/ Banker's Cheque /Bank Draft bearing No..... Date.....on
..... Bank.**

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

Dated this.....day of.....20.....

1. Dr.S.Radha Rammohan
2. Dr. K.Umapathy
3. Dr.Viji Vinod
4. R.Deepika
5. M.Bhuvaneswari
6. N. Jayashri
7. N.Keerthana

To,

The Controller of Patents

The Patent Office, at..... Note:

-

* Repeat boxes in case of more than one entry.

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

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

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

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

* For fee: See First Schedule.

D/3375

13/1/21

"FORM 1
THE PATENTS ACT 1970 (39 of 1970) and
THE PATENTS RULES, 2003
APPLICATION FOR GRANT OF PATENT
 (See section 7, 54 and 135 and sub-rule (1) of rule 20)

(FOR OFFICE USE)

700293013

Application No.		202141001523		
Filing date:		13/01/2021		
Amount of Fee paid:		1750/-		
CBR No:		1407		
Signature:		13/1/21		
1. APPLICANT'S REFERENCE / IDENTIFICATION NO. (AS ALLOTTED BY OFFICE)				
2. TYPE OF APPLICATION [Please tick (✓) at the appropriate category]				
Ordinary (✓)		Convention ()		
PCT-NP ()				
Divisional ()	Patent of Addition (✓)	Divisional ()	Patent of Addition ()	
3A. APPLICANT(S)				
Name in Full	Nationality	Country of Residence	Address of the Applicant	
V. SANGEETHA	INDIAN	INDIA	House No.	Dr. M.G.R Educational and research institute
			Street	Madhuravoyal
			City	Chennai
			State	Tamil Nadu
			Country	India
			Pin code	600 095
Name in Full	Nationality	Country of Residence	Address of the Applicant	
N. SARIKA	INDIAN	INDIA	House No.	Dr. M.G.R Educational and research institute
			Street	Madhuravoyal
			City	Chennai
			State	Tamil Nadu
			Country	India

			Pin code	600 095
Name in Full	Nationality	Country of Residence	Address of the Applicant	
V.VAIDEHI	INDIAN	INDIA	House No.	Dr. M.G.R Educational and research institute
			Street	Madhuravoyal
			City	Chennai
			State	Tamil Nadu
			Country	India
			Pin code	600 095
Name in Full	Nationality	Country of Residence	Address of the Applicant	
G.S. NISHANTHI	INDIAN	INDIA	House No.	Dr. M.G.R Educational and research institute
			Street	Madhuravoyal
			City	Chennai
			State	Tamil Nadu
			Country	India
			Pin code	600 095
Name in Full	Nationality	Country of Residence	Address of the Applicant	
K. ANNALAKSHMI	INDIAN	INDIA	House No.	Dr. M.G.R Educational and research institute
			Street	Madhuravoyal
			City	Chennai
			State	Tamil Nadu
			Country	India
			Pin code	600 095
Name in Full	Nationality	Country of Residence	Address of the Applicant	
R. PADMAPRIYA	INDIAN	INDIA	House No.	Dr. M.G.R Educational and research institute
			Street	Madhuravoyal
			City	Chennai
			State	Tamil Nadu
			Country	India
			Pin code	600 095
Name in Full	Nationality	Country of Residence	Address of the Applicant	

DR.S. KEVIN ANDREWS	INDIAN	INDIA	House No.	Dr. M.G.R Educational and research institute
			Street	Madhuravoyal
			City	Chennai
			State	Tamil Nadu
			Country	India
			Pin code	600 095
3B. CATEGORY OF APPLICANT [Please tick (✓) at the appropriate category]				
Natural Person ()	Other than Natural Person			
	Small Entity ()	Startu p ()	Others ()	
4. INVENTOR(S) [Please tick (✓) at the appropriate category]				
Are all the inventor(s)	Yes (✓)		No ()	
same as the applicant(s) named above?				
If "No", furnish the details of the inventor(s)				
Name in Full	Nationality	Country of Residence	Address of the Applicant	
V. SANGEETHA	INDIAN	INDIA	House No.	Dr. M.G.R Educational and research institute
			Street	Madhuravoyal
			City	Chennai
			State	Tamil Nadu
			Country	India
			Pin code	600 095
Name in Full	Nationality	Country of Residence	Address of the Applicant	
N. SARIKA	INDIAN	INDIA	House No.	Dr. M.G.R Educational and research institute
			Street	Madhuravoyal
			City	Chennai
			State	Tamil Nadu
			Country	India
			Pin code	600 095
Name in Full	Nationality	Country of Residence	Address of the Applicant	




V.VAIDEHI	INDIAN	INDIA	House No.	Dr. M.G.R Educational and research institute
			Street	Madhuravoyal
			City	Chennai
			State	Tamil Nadu
			Country	India
			Pin code	600 095
Name in Full	Nationality	Country of Residence	Address of the Applicant	
G.S. NISHANTHI	INDIAN	INDIA	House No.	Dr. M.G.R Educational and research institute
			Street	Madhuravoyal
			City	Chennai
			State	Tamil Nadu
			Country	India
			Pin code	600 095
Name in Full	Nationality	Country of Residence	Address of the Applicant	
K. ANNALAKSHMI	INDIAN	INDIA	House No.	Dr. M.G.R Educational and research institute
			Street	Madhuravoyal
			City	Chennai
			State	Tamil Nadu
			Country	India
			Pin code	600 095
Name in Full	Nationality	Country of Residence	Address of the Applicant	
R. PADMAPRIYA	INDIAN	INDIA	House No.	Dr. M.G.R Educational and research institute
			Street	Madhuravoyal
			City	Chennai
			State	Tamil Nadu
			Country	India
			Pin code	600 095
Name in Full	Nationality	Country of Residence	Address of the Applicant	
			House No.	Dr. M.G.R Educational and research institute
			Street	Madhuravoyal

DR.S. KEVIN ANDREWS	INDIAN	INDIA	City	Chennai
			State	Tamil Nadu
			Country	India
			Pin code	600 095

**5. TITLE OF THE INVENTION: EMBEDDED SENSOR WITH MATLAB BASED
ADVANCED SECURITY SYSTEM FOR FILE
COMMUNICATION**

6. AUTHORISED REGISTERED PATENT AGENT(S)	IN/PA No.	
	Name	
	Mobile No.	
7. ADDRESS FOR SERVICE OF APPLICANT IN INDIA	Name	V. SANGEETHA
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	Fax No.	
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	Mobile No.	9094926925			
	Fax No.				
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	E-mail ID	annalakshmi.mca@drmgrdu.ac.in			
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	Mobile No.	9094407221			
	Fax No.				
	E-mail ID	Padupriya1983@gmail.com			
	Name	Dr. S. KEVIN ANDREWS			
	Postal Address	C1-24, Jaibharath apartments, 6 th Main Road, Mogappair Erisceme, Chennai-600 037			
	Telephone No.	9488007744			
	Mobile No.	9488007744			
	Fax No.				
	E-mail ID	stevekevins89@gmail.com			
8. IN CASE OF APPLICATION CLAIMING PRIORITY OF APPLICATION FILED IN CONVENTION COUNTRY, PARTICULARS OF CONVENTION APPLICATION					
Country	Application Number	Filing date	Name of the Applicant	Title of the invention	IPC (as classified in the convention country)

9. IN CASE OF PCT NATIONAL PHASE APPLICATION, PARTICULARS OF INTERNATIONAL APPLICATION FILED UNDER PATENT CO-OPERATION TREATY (PCT)					
International application number			International filing date		
10. IN CASE OF DIVISIONAL APPLICATION FILED UNDER SECTION 16, PARTICULARS OF ORIGINAL (FIRST) APPLICATION					
Original (first) application No.			Date of filing of original (first) application		
11. IN CASE OF PATENT OF ADDITION FILED UNDER SECTION 54, PARTICULARS OF MAIN APPLICATION OR PATENT					
Main application/patent No.			Date of filing of main application		
12. DECLARATIONS					
<p>(i) Declaration by the inventors</p> <p>(In case the applicant is an assignee: the inventors may sign herein below or the applicant may upload the assignment or enclose the assignment with this application for patent or send the assignment by post/electronic transmission duly authenticated within the prescribed period).</p> <p>We, the above-named inventors are the true & first inventors for this Invention and declare that the applicant(s) herein are our assignee or legal representative.</p> <p>(a) Date: 12.01.2021</p> <p>(b) Signature: </p> <p>(c) Name: V. SANGEETHA</p> <p>(a) Date: 12.01.2021</p> <p>(b) Signature: </p> <p>(c) Name: Ms. N. SARIKA</p> <p>(a) Date: 12.01.2021</p> <p>(b) Signature: </p> <p>(c) Name: V. VAIDEHI</p>					

(a) Date: 12.01.2021

(b) Signature: 

(c) Name: G.S. NISHANTHI

(a) Date: 12.01.2021

(b) Signature: 

(c) Name: K. ANNALAKSHMI

(a) Date: 12.01.2021

(b) Signature: 

(c) Name: R. PADMAPRIYA

(a) Date: 12.01.2021

(b) Signature: 

(c) Name: Dr. S. KEVIN ANDREWS

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

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

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

(a) Date

(b) Signature(s)

(c) Name(s) of the signatory

(iii) Declaration by the applicants

We the applicants hereby declares that: -

We are in possession of the above-mentioned invention.

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

13. FOLLOWING ARE THE ATTACHMENTS WITH THE APPLICATION

(a) Form 2

Item	Details	Fee	Remarks
Complete/ provisional specification)#	No. of pages One		
No. of Claim(s)	No. of claims and Five No. of pages - One		
Abstract	No. of pages - One		
No. of Drawing(s)	No. of drawings and No. of pages - Five and Four		

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

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

(c) Sequence listing in electronic form

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

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

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

(g) Statement and Undertaking on Form 3

(h) Declaration of Inventorship on Form 5

(i) _____ Power _____ of _____ Authority

(j)

Total fee ₹ 4,500.00 in Demand Draft No. 212023 Date 12.01.2021 Drawn on Axis Bank, Nanganallur Branch.

We hereby declare that to the best of our knowledge, information and belief the facts and matters stated herein are correct and We request that a patent may be granted to us for the said invention.

Dated this Monday of 12th January 2021

Signature:

V. Sangeetha

Name: V. SANGEETHA

Signature:

Ms. N. Sarika

Name: Ms. N. SARIKA

Signature:

V. Vaidehi

Name: V. VAIDEHI

Signature:



Name: G.S. NISHANTHI

Signature:



Name: K. ANNALAKSHMI

Signature:



Name: R. PADMAPRIYA

Signature:



Name: Dr. S. KEVIN ANDREWS

To,

The Controller of Patents

The Patent Office, at Guindy, Chennai – 600 032.

Note: -

- * Repeat boxes in case of more than one entry.
- * To be signed by the applicant(s) or by authorized registered patent agent otherwise where mentioned.
- * Tick (✓)/cross (x) whichever is applicable/not applicable in declaration in paragraph-12.
- * Name of the inventor and applicant should be given in full, family name in the beginning.
- * Strike out the portion which is/are not applicable.
- * For fee: See First Schedule”;

Controller General of Patents, Designs & Trade
Marks



G.A.R.I.
[Sec Rule 22(1)]
RECEIPT



Docket No 102274

Date/Time 20/9/2023 22:46:59

To
SHRI. SENTHIL KUMAR .B.

UserId: getbsk

New No.35, Old No.16, Ramanuja Nagar,
Konnur High Road, Ayanavaram Chennai
600023

CBR Detail:

1	201941049S17	TEMP/E- IJ52fi68/2019- CH E	n000	398Hi FORM i MATERIALS AND METHODS FOR PRODUCTION OF croeorx'virm coscneie enccast riANHOCx covEns
T-0000587258		Online Bank Transfer		03121900079fi I
				g000.00
				1475001020000000I

Total Amount : ₹ 8000

Amount in Words: Rupees Eight Thousand Only

Received from SHRI. SENTHIL KUMAR .B. the sum of ₹ 8000 on account of Payment of fee for above mentioned Application/Forms.

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

Home

FORM 5
THE PATENTS ACT, 1970
(39 of 1970)
&
THE PATENT RULES, 2003
Declaration as to inventorship
[See section 10(6), rule 13(6)]

We, **Dr.M.G.R Educational and Research Institute, Maduravoyal, Chennai 600095, Tamil Nadu**, hereby declare that the true and first inventors disclosed in the Complete specification filed in pursuance of our application for the invention titled “**MATERIALS AND METHODS FOR PRODUCTION OF GEOPOLYMER CONCRETE PRECAST MANHOLE COVERS**” are **1. M SURESH**, DR. M.G.R. Educational & Research Institute, Maduravoyal, Chennai 95, Tamilnadu, India and **2. Dr. S ARIVALAGAN**, HOD, Civil Department, DR. M.G.R. Educational & Research Institute, Maduravoyal, Chennai 95, Tamilnadu, India

Dated this the 03rd day of December 2019.



Senthil Kumar B
Agent for the applicant
IN/PA-1549

To
The Controller of Patents
The Patent Office at Chennai

Controller General of Patents, Designs & Trade Marks

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

Docket No 102281

Date/Time 2019/12/04 07:14:39

To
SHRI SENTHIL KUMAR .B.

Userid: getbsk

New No.35, Old No.16, Ramanuja Nagar,
Konnur High Road, Ayanavaram Chennai
600023

CBR Detail:

Sr. No.	Ref. No./Application No.	App. Number	Amount Paid	CBR. No.	Form Name	Remarks
1	201941049819	TEMP/E-1/52678/2019-CHE	8000	39818	FORM 1	PARTIAL REPLACEMENT OF FINE AGGREGATE BY CONSTRUCTION & DEMOLITION WASTE AND PLASTIC WASTE
N-0000587265 TransactionID		Online Bank Transfer Payment Mode		0412190000203 Challan Identification Number		8000.00 Amount Paid
						1475901020000001 Head of A/C No

Total Amount : 8000

Amount in Words: Rupees Eight Thousand Only

Received from SHRI. SENTHIL KUMAR .B. the sum of 8000 on account of Payment of fee for above mentioned Application/Forms.

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

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FORM 5
THE PATENTS ACT, 1970
(39 of 1970)
&
THE PATENT RULES, 2003
Declaration as to inventorship
[See section 10(6), rule 13(6)]

We, **Dr.M.G.R Educational and Research Institute, Maduravoyal, Chennai 600095, Tamil Nadu**, hereby declare that the true and first inventors disclosed in the Complete specification filed in pursuance of our application for the invention titled "**PARTIAL REPLACEMENT OF FINE AGGREGATE BY CONSTRUCTION & DEMOLITION WASTE AND PLASTIC WASTE**" are 1. **S. MARIVEL MURUGAN**, DR. M.G.R. Educational & Research Institute, Maduravoyal, Chennai 600095, Tamilnadu, India and 2. **Dr. S ARIVALAGAN**, HOD, CIVIL DEPARTMENT, DR. M.G.R. Educational & Research Institute, Maduravoyal, Chennai 600095, Tamilnadu, India.

Dated this the 03rd day of December 2019.



Senthil Kumar B
Agent for the applicant
IN/PA-1549

To
The Controller of Patents
The Patent Office at Chennai

			Country	India
			Pin code	627003
Name in Full	Nationality	Country of Residence	Address of the Applicant	
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			Country	India
			Pin code	600095
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			Country	India
			Pin code	630303

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			Pin code	600095
Name in Full	Nationality	Country of Residence	Address of the Applicant	
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			Street	Madhuravoyal
			City	chennai
			State	Tamilnadu
			Country	India
			Pin code	600095
3B. CATEGORY OF APPLICANT [Please tick (✓) at the appropriate category]				
Natural Person ()	Other than Natural Person			
	Small Entity ()	Startu p ()	Others ()	
4. INVENTOR(S) [Please tick (✓) at the appropriate category]				
Are all the inventor(s)	Yes (✓)	No ()		
same as the applicant(s) named above?				
If "No", furnish the details of the inventor(s)				
Name in Full	Nationality	Country of Residence	Address of the Applicant	
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			City	chennai
			State	Tamilnadu
			Country	India
			Pin code	600095

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			State	Tamilnadu
			Country	India
			Pin code	627003
Name in Full	Nationality	Country of Residence	Address of the Applicant	
V. SANGEETHA	INDIAN	INDIA	House No.	Dr. M.G.R Educational and research institute
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			City	chennai
			State	Tamilnadu
			Country	India
			Pin code	600095
Name in Full	Nationality	Country of Residence	Address of the Applicant	
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			Country	India
			Pin code	600095
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			City	Devakottai
			State	Tamilnadu
			Country	India
			Pin code	630303

Name in Full	Nationality	Country of Residence	Address of the Applicant	
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			Street	Post Box No: 3, Devakottai Ext,
			City	Devakottai
			State	Tamilnadu
			Country	India
			Pin code	630303
Name in Full	Nationality	Country of Residence	Address of the Applicant	
Dr. S. RAMAMOORTHY	INDIAN	INDIA	House No.	Dr. M.G.R Educational and research institute
			Street	Madhuravoyal
			City	chennai
			State	Tamilnadu
			Country	India
			Pin code	600095
Name in Full	Nationality	Country of Residence	Address of the Applicant	
Dr. M.S. JOSEPHINE	INDIAN	INDIA	House No.	Dr. M.G.R Educational and research institute
			Street	Madhuravoyal
			City	chennai
			State	Tamilnadu
			Country	India
			Pin code	600095
5. TITLE OF THE INVENTION: NOISE CANCELLATION IN WINDOW TO PREVENT HIGH DECIBEL SOUNDS USING MACHINE LEARNING				
6. AUTHORISED REGISTERED PATENT AGENT(S)	IN/PA No.			
	Name			
	Mobile No.			
7. ADDRESS FOR SERVICE OF APPLICANT IN INDIA	Name		Dr. S. KEVIN ANDREWS	
	Postal Address		C1-24,Jaibharath apartments,6 th main road,mogappair erischeme,Chennai-600037	
	Telephone No.		9488007744	
	Mobile No.		9488007744	

	Fax No.	
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	Name	Dr. K. LAKSHMI NARAYANAN
	Postal Address	10/7 teachers colony,malligai street, Ambasamudrum-627401
	Telephone No.	9840624407
	Mobile No.	9840624407
	Fax No.	
	E-mail ID	kyelyen@gmail.com
	Name	V.SANGEETHA
	Postal Address	No: 3, f3, Seetharaman homes,main street extension,Chennai-600063
	Telephone No.	
	Mobile No.	9791772737
	Fax No.	
	E-mail ID	sngth.sangeetha@gmail.com
	Name	SARIKA. N
	Postal Address	28/67, Madhurai swamymadam 2 nd street,
	Telephone No.	
	Mobile No.	9094407221
	Fax No.	
	E-mail ID	sarika.mca@drmgrdu.ac.in
	Name	A.VICTOR BENEVENT RAJ
	Postal Address	No: 121,Nehru bazaar, sivagangai-630561
	Telephone No.	
	Mobile No.	9442542556
Fax No.		
E-mail ID	Vbraj2005@gmail.com	
Name	Dr. R. PANDI SELVAM	
Postal Address	1206/C hasini illam,illayavar nagar,Amaravathipudur, Karaikudi-630301	
Telephone No.		
Mobile No.	9655697179 & 9942297179	
Fax No.		

	E-mail ID	pandiselvamraman@gmail.com			
	Name	Dr. S. RAMAMOORTHY			
	Postal Address	15,radha street, sri yogeswara nagar, rajakilpakkam,Chennai-600073			
	Telephone No.				
	Mobile No.	9962216866			
	Fax No.				
	E-mail ID	ramamoorthy.s@drmgrdu.ac.in			
	Name	Dr. M. S. JOSEPHINE			
	Postal Address	H3-T3 VGN Minerva, nolumbur,273, Gurusamy road Chennai-600095			
	Telephone No.				
	Mobile No.	9840636843			
	Fax No.				
E-mail ID	Josejbr.07@gmail.com				
8. IN CASE OF APPLICATION CLAIMING PRIORITY OF APPLICATION FILED IN CONVENTION COUNTRY, PARTICULARS OF CONVENTION APPLICATION					
Country	Application Number	Filing date	Name of the Applicant	Title of the invention	IPC (as classified in the convention country)
9. IN CASE OF PCT NATIONAL PHASE APPLICATION, PARTICULARS OF INTERNATIONAL APPLICATION FILED UNDER PATENT CO-OPERATION TREATY (PCT)					
International application number			International filing date		
10. IN CASE OF DIVISIONAL APPLICATION FILED UNDER SECTION 16, PARTICULARS OF ORIGINAL (FIRST) APPLICATION					
Original (first) application No.			Date of filing of original (first) application		
11. IN CASE OF PATENT OF ADDITION FILED UNDER SECTION 54, PARTICULARS OF MAIN APPLICATION OR PATENT					
Main application/patent No.			Date of filing of main application		
12. DECLARATIONS					

(i) Declaration by the inventors

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

We, the above-named inventors are the true & first inventors for this Invention and declare that the applicants herein are our assignee or legal.

(a) Date: 23.12.2020

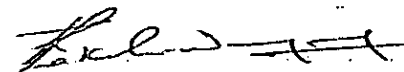
(b) Signature:



(c) Name: Dr. S. KEVIN ANDREWS

(a) Date: 23.12.2020

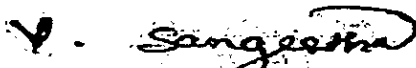
(b) Signature:



(c) Name: Dr. K. LAKSHMI NARAYANAN

(a) Date: 23.12.2020

(b) Signature:



(c) Name: V. SANGEETHA

(a) Date: 23.12.2020

(b) Signature:



(c) Name Ms. SARIKA

(a) Date: 23.12.2020

(b) Signature:



(c) Name: A. VICTOR BENEVENT RAJ

(a) Date: 23.12.2020

(b) Signature:



(c) Name: Dr. R. PANDISELVAM

(a) Date: 23.12.2020

(b) Signature:



(c) Name: Dr. S. RAMAMOORTHY

(a) Date: 23.12.2020

(b) Signature:



(c) Name: Dr. M. S. JOSEPHINE

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

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

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

(a) Date

(b) Signature(s)

(c) Name(s) of the signatory

(iii) Declaration by the applicants

We the applicants hereby declares that: -

We are in possession of the above-mentioned invention.

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

13. FOLLOWING ARE THE ATTACHMENTS WITH THE APPLICATION

(a) Form 2

Item	Details	Fee	Remarks
Complete/ provisional specification)#	No. of pages One		
No. of Claim(s)	No. of claims Five and No. of pages- One		
Abstract	No. of pages- One		
No. of Drawing(s)	No. of drawings and No. of pages - Four and Three		

In case of a complete specification, if the applicant desires to adopt the drawings filed with his provisional specification as the drawings or part of the drawings for the complete specification under rule13(4), the number of such pages filed with the provisional specification are required to be mentioned here.

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

(c) Sequence listing in electronic form

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

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

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

(g) Statement and Undertaking on Form3

(h) Declaration of Inventorship on Form5

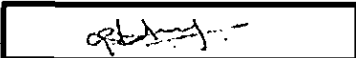
(i) _____ Power _____ of _____ Authority

(j)

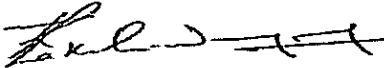
Total fee ₹ 4,500.00 in Demand Draft No. 211945 Dt 21.12.2020 Drawn on Axis Bank, Nanganallur Branch.

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

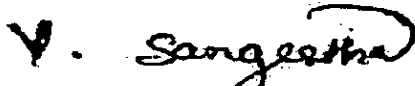
Dated this Thursday of 23rd December 2020

Signature: 

Name: Dr. S. KEVIN ANDREWS

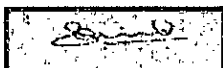
Signature: 

Name: Dr. K. LAKSHMI NARAYANAN

Signature: 

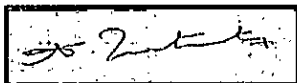
Name: V. SANGEETHA

Signature:



Name: Ms. SARIKA

Signature:



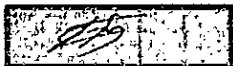
Name: A. VICTOR BENEVENT RAJ

Signature:



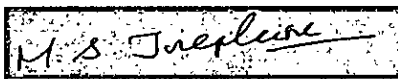
Name: Dr. R. PANDISELVAM

Signature:



Name: Dr. S. RAMAMOORTHY

Signature:



Name: Dr. M. S. JOSEPHINE

To,

The Controller of Patents

The Patent Office, at Guindy, Chennai – 600 032.

Note: -

- * Repeat boxes in case of more than one entry.
- * To be signed by the applicant(s) or by authorized registered patent agent otherwise where mentioned.
- * Tick (✓)/cross (x) whichever is applicable/not applicable in declaration in paragraph-12.
- * Name of the inventor and applicant should be given in full, family name in the beginning.
- * Strike out the portion which is/are not applicable.
- * For fee: See First Schedule";

PATENT OFFICE
INTELLECTUAL PROPERTY BUILDING
G.S.T. Road, Guindy, Chennai-600032
Tel No. (091)(044) 22502081-84 Fax No. 044 22502066
E-mail : Chennai-patent@nic.in
Web Site : www.ipindia.gov.in



सत्यमेव जयते
GOVERNMENT OF INDIA



CHALLAN : TR-5
DOCKET NO : 57077

Date/Time : 02/07/2021 04:07:43

To,
DR. B. ESWARAN

Agent Number:

NO 1/573, 6TH STREET, JOTHI NAGAR, PADIANALLUR, CHENNAI - 52, INDIA. dr.eswaran2111@gmail.com

Sr. No.	CBR No.	Reference Number / Application Type	Application Number	Title/Remarks	Amount Paid
1	24174	E-12/2567/2021-CHE	202141029770	—	2750
Total :					2750

Received a sum of Rs. 2750 (Rupees Two Thousand Seven Hundred & Fifty only) through

Payment Mode	Bank Name	Cheque/Draft Number	Cheque/Draft Date	Amount in Rs
Cash	—	—	—	2750

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G.S.T. Road, Guindy, Chennai-600032

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E-mail : Chennai-patent@ipc.in

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GEOGRAPHICAL INDICATIONS

CHALLAN : JK-3

DOCKET NO : 57056

Date/Time : 02/07/2021 03:07:23

Agent Number:

To,
DR. B. ESWARAN

NO.1/573, 6TH STREET, JOTHI NAGAR, PADIANALLUR, CHENNAI - 52, INDIA. dr.eswaran2111@gmail.com

Sr. No.	CBR No.	Reference Number / Application Type	Application Number	Title/Remarks	Amount Paid
1	24166	ORDINARY APPLICATION	202141029770	A MAXILLARY ORIENTATION DEVICE-WHICH HELPS SHAPING MAXILLARY OCCLUSAL RIM BASED ON THE GUIDING	1750
2		E-2/2127/2021-CHE	202141029770	Form2	0
3		E-3/20662/2021-CHE	202141029770	Form3	0
4		E-5/2329/2021-CHE	202141029770	Form5	0
5	24166	R20214022502	202141029770	Form18	4400
Total :					6150

Received a sum of Rs. 6150 (Rupees Six Thousand One Hundred & Fifty only) through

Payment Mode	Bank Name	Cheque/Draft Number	Cheque/Draft Date	Amount in Rs
Cash	---	---	---	6150

Note: This is electronically generated receipt hence no signature required.



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GEOGRAPHICAL INDICATIONS



भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE
पेटेंट प्रमाणपत्र
PATENT CERTIFICATE
(Rule 74 Of The Patents Rules)

क्रमांक : 044135589
SL No :



पेटेंट सं. / Patent No. : 381616
आवेदन सं. / Application No. : 1036/CHE/2015
पाइल करने की तारीख / Date of Filing : 04/03/2015
पेटेंटी / Patentee : 1. Dr. V. Cyril Raj 2. Mrs. Dahlia Sam

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में यथाप्रकटित A VEHICLE CONTROL SYSTEM TO IMPROVE ROAD SAFETY USING VANET नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख 4th day of March 2015 से बीस वर्ष की अवधि के लिए पेटेंट अनुदान किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled A VEHICLE CONTROL SYSTEM TO IMPROVE ROAD SAFETY USING VANET as disclosed in the above mentioned application for the term of 20 years from the 4th day of March 2015 in accordance with the provisions of the Patents Act, 1970.



अनुदान की तारीख : 11/11/2021
Date of Grant :

पेटेंट नियंत्रक
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखना है, 4th day of March 2017 को और उसके पश्चात प्रत्येक वर्ष में इसी दिन देना होगा।

Note - The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on 4th day of March 2017 and on the same day in every year thereafter.