

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202131005808 A

(19) INDIA

(22) Date of filing of Application :11/02/2021

(43) Publication Date : 12/08/2022

(54) Title of the invention : A DEVICE FOR SENSING HYDROGEN SULFIDE GAS AT LOW TEMPERATURE USING COBALT DOPED CADMIUM SULFIDE THIN FILM AS SENSING MATERIAL

(51) International classification	:G01N0027120000, H01L0031180000, H01L0021020000, G01L0001180000, G01N0033000000	(71)Name of Applicant : 1)DR.PARTHA MITRA Address of Applicant :DEPARTMENT OF PHYSICS, THE UNIVERSITY OF BURDWAN, GOLAPBAG, BURDWAN, PIN-713104, WEST BENGAL, INDIA West Bengal India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)DR.PARTHA MITRA
(33) Name of priority country	:NA	2)DR.AYAN MUKHERJEE
(86) International Application No	:NA	3)DR.MAHIMA RANJAN DAS
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 :

A Device for sensing hydrogen sulfide gas at low temperature using cobalt doped Cadmium Sulfide thin film as sensing material The device (1) of the present patent application works mainly on the principle of change of resistance due to the adsorption of hydrogen sulfide gas on the surface of the sensor element (2). The sensing material comprises of cobalt doped Cadmium Sulfide thin film which senses hydrogen sulfide gas with good sensitivity at relatively low temperature. Doping with cobalt modifies the sensing ability by increasing the surface roughness and porosity. The thin film was deposited by low cost chemical bath deposition (CBD) method.

No. of Pages : 17 No. of Claims : 10

<h1 style="text-align: center;">FORM 1</h1> <p style="text-align: center;">THE PATENTS ACT 1970 (39 of 1970) and THE PATENTS RULES, 2003</p> <p style="text-align: center;">APPLICATION FOR GRANT OF PATENT (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 ()				
3A. APPLICANT(S)									
Name in Full	Nationality	Country of residence		Address of the Applicant					
Dr. Partha Mitra	Indian	India		Department of Physics, The University of Burdwan, Golapbag, District: Burdwan, State: West Bengal, Country: India, PIN: 713104.					
3B. CATEGORY OF APPLICANT [Please tick (✓) at the appropriate category]									
Natural Person (✓)		Other than Natural Person ()							
		Small Entity ()	Startup ()	Others ()					
4. INVENTOR (S) [Please tick (✓) at the appropriate category]									
Are all the inventor(s) same as the applicant(s) named above?		Yes ()			No (✓)				
If "No", furnish the details of the inventor(s)									
Name in Full	Nationality	Country of residence		Address of the Inventor					
Dr. Partha Mitra	Indian	India		Department of Physics, The University of Burdwan, Golapbag, District: Burdwan, State: West Bengal, Country: India, PIN: 713104.					

Dr. Ayan Mukherjee	Indian	India	107A, Mithapukur West Rajbati, District: Burdwan, State: West Bengal, Country: India, PIN: 713104.		
Dr. Mahima Ranjan Das	Indian	India	Vill: Parulia, P.O.: Debi Parulia, District: Murshidabad, State: West Bengal, Country: India, PIN: 731 244.		
5. TITLE OF THE INVENTION					
“A Device for sensing hydrogen sulfide gas at low temperature using cobalt doped Cadmium Sulfide thin film as sensing material”.					
6. AUTHORISED REGISTERED PATENT AGENT(S)		IN/PA No.			
		Name			
		Mobile No.			
7. ADDRESS FOR SERVICE OF APPLICANT IN INDIA		Name	Dr. Partha Mitra		
		Postal Address	Department of Physics, The University of Burdwan, Golapbag, Burdwan, West Bengal, India, PIN- 713104		
		Telephone No.			
		Mobile No.	+91 9434387201		
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		E-mail ID	mitrapartha1@rediffmail.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). 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.</p> <p>1. (a) Date:</p> <p>(b) Signature:</p> <p>(c) Name: Dr. Partha Mitra</p> <p>2. (a) Date:</p> <p>(b) Signature:</p> <p>(c) Name: Dr. Ayan Mukherjee</p> <p>3. (a) Date:</p> <p>(b) Signature:</p> <p>(c) Name: Dr. Mahima Ranjan Das</p>	
<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) I/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>	

(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 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 specification #	No. of pages: 13	1750/-	
No. of Claim(s)	No. of claims: 10 No. of pages: 02		
Abstract	No. of pages: 01		
No. of Drawing(s)	No. of drawings: 02 No. of pages: 01		

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..... 1750/ 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.....

Signature:

Name: Dr. Partha Mitra

To,
The Controller of Patents
The Patent Office, at KOLKATA.

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241013241 A

(19) INDIA

(22) Date of filing of Application :11/03/2022

(43) Publication Date : 08/04/2022


(54) Title of the invention : STRATEGY FOR SELF-CLEANING SOLAR PANELS

<p>(51) International classification :H01L0031048000, H02S0040100000, B08B0006000000, B64G0001440000, F24S0040200000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Dr. Ramji Kalidoss Address of Applicant :Department of Biomedical Engineering, Bharath Institute of Higher Education and Research, Chennai, Tamil Nadu, India, 600 073. -----</p> <p>2)Dr. Jamal Alsadi 3)Mr. Rudresha S Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Dr. Ramji Kalidoss Address of Applicant :Department of Biomedical Engineering, Bharath Institute of Higher Education and Research, Chennai, Tamil Nadu, India, 600 073. -----</p> <p>2)Dr. Jamal Alsadi Address of Applicant :Renewable Energy Engineering College, Jadara University, Irbid, Jordan. -----</p> <p>3)Mr. Rudresha S Address of Applicant :Department of Mechanical Engineering, JSS Academy of Technical Education, Noida 201301, Uttar Pradesh, India. -----</p> <p>4)Dr. Santosh S Chobe Address of Applicant :Research Centre and Department of Chemistry, M.G.V's L.V.H Arts, Science and Commerce College, Panchavati, Nashik 422003. Maharashtra -----</p> <p>5)Dr. Gavhane Vrushali Somanath Address of Applicant :Department of Chemistry, R B Anal Arts, Science and Commerce College, Georai 43] 127, Maharashtra, India. -----</p> <p>6)Dr. Chandra Kumar Dixit Address of Applicant :Department of Physics, Dr. Shakuntala Misra National Rehabilitation University, Lucknow 226017. U.P, Indla. -----</p> <p>7)Ms. Kirti Kamalakar Amolik Address of Applicant :Department of Chemistry, R.B.Narayanrao Borawake College, Shrirampur 413709, Maharashtra, India. -----</p> <p>8)Dr. Ayan Mukherjee Address of Applicant :Department of Physics, College of Commerce, Arts & Science, Patliputra University, Patna 800020, India. -----</p>
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(57) Abstract :

The present invention discloses a strategy for self-cleaning solar panels, that comprises ZnO induced PDMS films that incorporate the same, are provided. The self-cleaning solar panel consists of: ultra-hydrophobic layer made of highly physically and chemically stable PDMS layer; which consists of the transparent conducting films embedded with nanoparticles; and a pair of electrodes attached to the two ends of the solar panel which are capable of generating a traveling electrostatic waves, that eliminates the dust via a combination of polymeric as well as electrostatic action by imposing the electrostatic force, particles pass through the openings of the upper screen electrode and fall along off the inclined panel.

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

"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.	202241013241
				Filing date:	11/03/2022
 700256530				Amount of Fee paid:	1750/-
				CBR No:	9676
				Signature:	<i>[Signature]</i> 11/3/22
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)					
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				City	Institute of Higher
				State	Education and Research,
				Country	Chennai, Tamil Nadu,
				Pin code	India, 600 073. +91
Phone No.	9840959832				
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				City	Jadara University, Irbid,
				State	Jordan. +962789958153
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Phone No.					
				Email ID	

Mr. Rudresha S	Indian	India	House No.	Department of Mechanical Engineering, JSS Academy of Technical Education, Noida 201301, Uttar Pradesh, India. +91 9632151048. rudresha.thermal@gmail.com
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			City	
			State	
			Country	
			Pin code	
			Phone No.	
Email ID				

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

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

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

Are all the inventor(s) same as the applicant(s) named above?	Yes ()	No (✓)
---	---------	--------

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

Name in Full	Nationality	Country of Residence	Address of the Inventor
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Mr. Rudresha S	Indian	India	Department of Mechanical Engineering, JSS Academy of Technical Education, Noida 201301, Uttar Pradesh, India. +91 9632151048. rudresha.thermal@gmail.com
Dr. Santosh S Chobe	Indian	India	Research Centre and Department of Chemistry, M.G.V's L.V.H Arts, Science and Commerce College, Panchavati, Nashik 422003. Maharashtra

Dr. Gavhane Vrushali Somanath	Indian	India	Department of Chemistry, R B Attal Arts, Science and Commerce College, Georai 431127, Maharashtra, India.
Dr. Chandra Kumar Dixit	Indian	India	Department of Physics, Dr. Shakuntala Misra National Rehabilitation University, Lucknow 226017. U.P, india
Ms. Kirti Kamalakar Amolik	Indian	India	Department of Chemistry, R.B. Narayanrao Borawake College, Shirampur 413709, Maharashtra, India.
Dr. Ayan Mukherjee	Indian	India	Department of Physics, College of Commerce, Arts & Science, Patliputra University, Patna 800020, India.

5. TITLE OF THE INVENTION

Strategy for self-Cleaning Solar Panels

6. AUTHORIZED REGISTERED PATENT AGENT(S)

IN/PA No.

Name

Mobile No.

7. ADDRESS FOR SERVICE OF APPLICANT IN INDIA

Name

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Fax No.

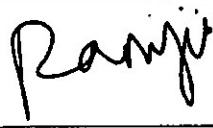
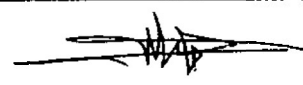
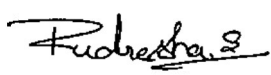


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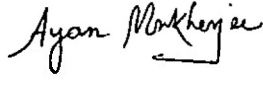
ramji.sat@gmail.com

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). 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.</p>	
(a) Date 09/03/2022 (b) Signature(s) (c) Name(s) Dr. Ramji Kalidoss	
(a) Date 09/03/2022 (b) Signature(s) (c) Name(s) Dr. Jamal Alsadi	
(a) Date 09/03/2022 (b) Signature(s) (c) Name(s) Mr. Rudresha S	
(a) Date 09/03/2022 (b) Signature(s) (c) Name(s) Dr. Santosh S Chobe	
(a) Date 09/03/2022 (b) Signature(s) (c) Name(s) Dr. Gavhane Vrushali Somanath	

(a) Date 09/03/2022 (b) Signature(s) (c) Name(s) Dr. Chandra Kumar Dixit	
(a) Date 09/03/2022 (b) Signature(s) (c) Name(s) Ms. Kirti Kamalakar Amolik	
(a) Date 09/03/2022 (b) Signature(s) (c) Name(s) Dr. Ayan Mukherjee	

(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, Dr. Ramji Kalidoss, Dr. Jamal Alsadi, Mr. Rudresha S, Dr. Santosh S Chobe, Dr. Gavhane Vrushali Somanath, Dr. Chandra Kumar Dixit, Ms. Kirti Kamalakar Amolik, Dr. Ayan Mukherjee the applicant(s) in the convention country declare that the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date 09/03/2022

(b) Signature(s)

(c) Name(s) of the signatory Dr. Ramji Kalidoss, Dr. Jamal Alsadi, Mr. Rudresha S, Dr. Santosh S Chobe, Dr. Gavhane Vrushali Somanath, Dr. Chandra Kumar Dixit, Ms. Kirti Kamalakar Amolik, Dr. Ayan Mukherjee

(iii) Declaration by the applicant(s)

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

- Y I am/ We are in possession of the above-mentioned invention.
- Y The provisional/complete specification relating to the invention is filed with this application.
- Y 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.
- Y There is no lawful ground of objection(s) to the grant of the Patent to me/us.
- Y I am/we are the true & first inventor(s).
- Y I am/we are the assignee or legal representative of true & first inventor(s).
- Y 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).
- Y 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.
- Y My/our application in India is based on international application under Patent Cooperation Treaty (PCT) as mentioned in Paragraph-9.
- Y 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 09/03/2022 under section 16 of the Act.
- Y 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		
No. of Claim(s)	No. of claims and No. of pages		
Abstract	No. of pages		
No. of Drawing(s)	No. of drawings and No. of pages		

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 ₹4500 in Bank Draft bearing No 207766 Date 08/03/2022 on City Union Bank.

I hereby declare that to the best of my 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 09th day of March 2022

Signature: *Ramji*

Name: Dr. Ramji Kalidoss

To,

The Controller of Patents

The Patent Office, at Chennai

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241073518 A

(19) INDIA

(22) Date of filing of Application :19/12/2022

(43) Publication Date : 30/12/2022

(54) Title of the invention : AN IMPROVISED DESIGN AND DEVELOPMENT OF SOLAR CHARGING STATION FOR EV.

(51) International classification : B60L0053300000, H02J0007000000, H02J0007350000, G06Q0050060000, B60L0053660000

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

(87) International Publication No : NA

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

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

(71)Name of Applicant :
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3)SANTHOSH KUMAR
4)Mr. SHAILESH M. DESHMUKH
5)Mr. MAHESH AHUJA
6)Dr. BAIDY ANATH BAG
7)Dr G CHANDRA SEKHAR
8)Dr SARATH K.S.
9)SUGANYA. K
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 Name of Applicant : NA
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(72)Name of Inventor :
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 Address of Applicant :ASSOCIATE PROFESSOR AND HEAD, DEPARTMENT OF PHYSICS, CHINMAYA DEGREE COLLEGE, BHEL, HARIDWAR, UTTARKHAND, INDIA -----
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 Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF ELECTRICAL ENGINEERING, KALINGA UNIVERSITY, NEW RAIPUR, CHHATTISGARH, INDIA ----
6)Dr. BAIDY ANATH BAG
 Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF ELECTRICAL ENGINEERING, NIT, RAIPUR, CHHATTISGARH, INDIA -----
7)Dr G CHANDRA SEKHAR
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(57) Abstract :
 A solar charging station is there to support the growing sales of electric vehicles. These charging stations provide long-lasting solar power and thus these types of charging stations are very cost-effective recharge centers. All these solar panels are renewable energy. But in other types of electric charging stations, all the electricity available is from thermal power plant or nuclear power plant. These solar panels can charge up to 4KW, These stations can charge 10 to 12 electric skies per day. It takes 6 to 8 hours to charge an electric vehicle. And the truly environmentally friendly electricity is the electricity generated by this type of solar panel or wind turbine. So this type of electricity will protect the actual environment from pollution. These types of charging stations are set up near places like petrol stations, residential and recreational facilities. Thus people will use this type of charging stations more and more.

No. of Pages : 16 No. of Claims : 10

Design Application Details

Application Number:

347901-001

Cbr Number:

206355

Cbr Date:

13/08/2021 22:48:43

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8. Dr. Ayan Mukherjee
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Design Application Status

Application Status:

Application Accepted, Certificate of Design Generated.

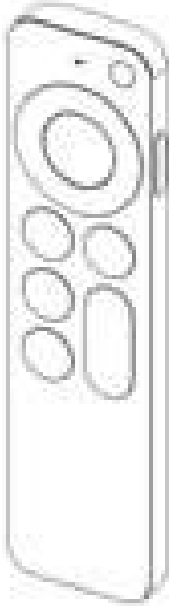
[Back \(/DesignApplicationStatus/\)](#)

Disclaimer: Application status is available for the application filed on or after 1st April 2009 with application no 222230. The information under " Design Application Status" is dynamically retrieved and is under testing, therefore the information retrieved by this system is not valid for any legal proceedings under the Design Act 2000. In case of any discrepancy you may contact the appropriate Patent Office or send your comments to following email IDs:


Design Office, Kolkata : controllerdesign.ipo@nic.in

Controller General of Patents, Designs and Trademarks

Design Number	347831-001	
Class	14-03	
Apple Inc. One Apple Park Way, Cupertino, CA 95014 US		
Date of Registration	12/08/2021	
Title	REMOTE CONTROL	
Priority		
Priority Number	Date	Country
29/771,496	23/02/2021	U.S.A.



Design Number	347900-001	
Class	12-11	
OLA ELECTRIC MOBILITY PRIVATE LIMITED Regent Insignia, #414, 3rd Floor, 4th Block, 17th Main, 100 Feet Road, Koramangala, Bangalore - 560034		
Date of Registration	13/08/2021	
Title	Handlebar for two wheeler	
Priority NA		



Design Number	347901-001	
Class	23-04	
<p>1. Dr. Aaditya Khare Associate Professor Electrical and Electronics Engineering Institute Name - Raipur Institute of Technology mandir hasaud arang road raipur C.G, Pin 492001, Chhattisgarh Swami Vivekanand University Bhilai Dist. DURG CHHATTISGARH 2. Dr. C. R. Rene Robin Professor & Dean (Innovation), Sri Sairam Engineering College, Chennai 600044 3. Dr. D. Doreen Hepzibha Miram Director, Computational Intelligence Research Foundation ,Chennai 600023 4. Dr. Rajeshwar Verma Assistant professor, Mechanical Engineering, Chhattisgarh Swami Vivekananda Technical University Bhilai, Raipur Institute of Technology, Raipur, Pincode - 492001 , et al.</p>		
Date of Registration	13/08/2021	
Title	ECO-FRIENDLY DEVICE FOR CARBON- DI- OXIDE ADSORPTION	
Priority NA		



Design Application Details

Application Number:

347810-001

Cbr Number:

206281

Cbr Date:

12/08/2021 07:58:57

Applicant Name:

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5. Ramchander Nirudi
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8. Dr. Kuldip Sharma
9. Prof. Ramesh Chandra Panda
10. Dr P Karthigeyan

Design Application Status

Application Status:


Design Accepted and Published, Journal No is 29/2022 and Journal Date is 22/07/2022

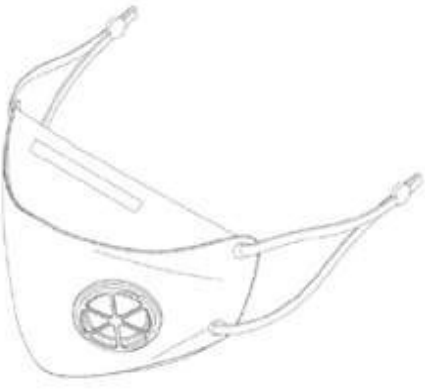
[Back \(/DesignApplicationStatus/\)](#)


Disclaimer: Application status is available for the application filed on or after 1st April 2009 with application no 222230. The information under " Design Application Status" is dynamically retrieved and is under testing, therefore the information retrieved by this system is not valid for any legal proceedings under the Design Act 2000. In case of any discrepancy you may contact the appropriate Patent Office or send your comments to following email IDs:

Design Office, Kolkata : controllerdesign.ipo@nic.in

Controller General of Patents, Designs and Trademarks

Design Number	347810-001	
Class	24-01	
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Date of Registration	12/08/2021	
Title	MAMMOGRAPH- BREAST CANCER DIAGNOSTIC DEVICE	
Priority NA		

Design Number	347818-001	
Class	29-02	
KONINKLIJKE PHILIPS N.V. Eindhoven OF High Tech Campus 52, 5656 AG Eindhoven, The Netherlands.		
Date of Registration	12/08/2021	
Title	AIR MASK	
Priority		
Priority Number	Date	Country
008435358-0002	15/02/2021	EUIPO

Design Number	347847-001	
Class	06-01	
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Date of Registration	12/08/2021	
Title	MULTI-UTILITY BABY CHAIR	
Priority NA		

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(3) INDIA

(42) Date of Filing of Application : 17/03/2023

(21) Application No. 202331018339 A

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(54) Title of the invention : ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING-BASED TECHNIQUES IN THEORETICAL PHYSICS AND PURE MATHEMATICS

(51) International classification : G06N 030800, G06N 030000, G06N 050000, G06N 070000, G06N 200000
 (52) International Application No : PC/2
 (53) Filing Date : 01/01/1990
 (54) International Publication No : NA
 (55) Patent of Addition to Application No. : NA
 (56) Filing Date : NA
 (57) Divisional to Application Number : NA
 (58) Filing Date : NA

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(57) Abstract :
 ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING-BASED TECHNIQUES IN THEORETICAL PHYSICS AND PURE MATHEMATICS Artificial intelligence and machine learning-based techniques in theoretical physics and pure mathematics, according to quantum mechanics, resonance trapping of optical absorption Two different types of resonant light cause interference. The frequency modulation in the core of light source, the polarizer is arranged between the alkali metal element and the photodetector. A modulated light source produces a sideband and a sideband laser is introduced into the alkali metal element. It includes at least one sensor for measuring the brightness of the incident visible ray, and the sensor is located on the side of the eyepiece of the goggles and the luminance is measured in a spatially discriminatory manner by at least one goggles household. The photodetector and the alkaline metal unit is the polarizer. A laser with a sideband is injected into an alkali metal unit by a modulated light source.

No. of Pages : 16 No. of Claims : 1

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PUBLICATION OF THE PATENT OFFICE

APPLICATION PUBLICATION

(21) Application No.202341017402 A

Date of filing of Application : 15/03/2023

(43) Publication Date : 07/04/2023

(4) Title of the invention : DESIGN OF SIX SIGMA METHODOLOGIES IN DATA MINING TO ANALYZE THE SUPPLY CHAIN QUALITY OF ORGANIZATION

(53) International classification : C07K 14350, G06F 162458, G06Q 100600, G06Q 100800, H02G 110000
 (59) International Application No : PC/T/
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 (87) International Publication No : NA
 (61) Patent of Addition to Application Number : NA
 Filing Date : NA
 (62) Divisional to Application Number : NA
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(57) Abstract :

Design of Six Sigma Methodologies in Data Mining to analyze the Supply Chain Quality of Organization is the proposed invention. The invention focuses on predicting the pros and cons inherent in the supply chain management of an organisation. Six Sigma methodologies are implemented to identify the aspects of supply chain by mining the data.

No. of Pages : 12 No. of Claims : 4