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Patent Search

Invention Title	IOT-AAIC-WINDOW: USING IOT APPLICATION ARTIFICIAL INTELLIGENT CAR WINDOWS.		
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Abstract:

Our "IOT-AAIC- WINDOW "is work with the A/C system of the car. The system will turn on as soon as the A/C starts working. Firstly it will check if all the windows are fully closed, if not then it will close them automatically using the power windows feature of the car. Second scenario is that if the car is stopped and the A/C is still on, it will keep monitoring the windows if it is open for more than 2 minutes. If so, the system will give an alarm to the user to close the windows and if the user still doesn"t close the window, the system will automatically close the windows.

Complete Specification

Field of the invention

The invention is related to Electronics Engineering, Mechanical Engineering, Computer Science Engineering My invention relates to the field of electric window regulator controls as ordinarily utilized in motor vehicles to obtain remote adjustment of any of the motor vehicle's several side windows and, where applicable such as in a station wagon, the motor vehicle's rear window. In particular, my invention further relates to those kinds of electric window regulators utilizing electric motors or similar electrically activated contrivances to adjust the up and down slide action of the side windows under the control of the driver and passengers of the motor vehicle. Furthermore, my invention relates to electric window regulators having operation which may be locked out by the motor vehicle's driver and thereby rendered inoperative for the passenger positions thereby preventing any possibility for the passenger's opening or closing any of the windows of the motor vehicle even prior to ignition shutoff and lockup by the driver. My invention also relates to certain vehicles having electrically operated door locks in addition to the electrically operated window regulators. Background of the Invention V

Contemporary motor vehicles and in particular passenger automobiles are frequently equipped with electric window regulators which enable convenient operator control of the window positions throughout the motor vehicle by merely pressing a button and without the necessity for manual "crank-up" operation of the regulator. Electric window regulators have been known for a long time and have been employed in numerous domestic and foreign motor vehicle models for decades. Originally, electric window regulator applications were limited primarily for use in luxury class motor vehicles. However, a more contemporaneous trend has been to include electric window regulators in even the most modest of motor vehicles. Electric windows have in fact, moved from being merely a luxury level convenience item to now being perceived as a

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Application Details APPLICATION NUMBER 201921009938 APPLICATION TYPE ORDINARY APPLICATION DATE OF FILING 14/03/2019 APPLICANT NAME **1. NAGARJUNA PITTY** 2. DR. CHUKKA SANTHAIAH 3. DR. RAJINDER SINGH SODHI 4. DR. CHANAKYA KUMAR JHA 5. PROF. DR. SANDEEP KUMAR GUPTA 6 . PROF. NATUKULA SAINATH 7. PROF.(DR.) BIPLAB KUMAR SARKAR TITLE OF INVENTION IOT-AAIC-WINDOW: USING IOT APPLICATION ARTIFICIAL INTELLIGENT CAR WINDOWS. FIELD OF INVENTION COMPUTER SCIENCE E-MAIL (As Per Record) ADDITIONAL-EMAIL (As Per Record) dr.bksarkar2003@yahoo.in E-MAIL (UPDATED Online) PRIORITY DATE REQUEST FOR EXAMINATION DATE ---PUBLICATION DATE (U/S 11A) 29/03/2019 **Application Status** Awaiting Request for Examination APPLICATION STATUS View Documents Published 💼 RQ Filed 💼 Under Examination 💼 Filed Disposed In case of any discrepancy in status, kindly contact ipo-helpdesk@nic.in

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APPLICATION FOR GRANT OF PATENT (See sections 7, 54 & 135 and rule 20(1) CBR NO.: Y C avait Control of Signature : Signature : CBR stream CoCCstream CoCCCstream CoCCstream CoCCCstream CoCCCstream CoCCCstream CoCCCCstream CoCCCCstream CoCCCCCstream CoCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	T	& he Patents Rule	es, 2003		Amount o	of Fees Paid.:	403-20	219
(See sections 7, 54 & 135 and rule 20(1) Signature : // Signature: : // Signature : // Signature : // Signatur	APPLICATION	FOR GRANT	OF PATENT		CBR NO.	: 1750A		
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INDIAN INDIAN INSTITUTE OF AERONAUTICAL ENGINEERING, DUNDIGAL ROAD, DUNDIGAL, ENGINEERING, DUNDIGAL ROAD, DUNDIGAL, ANTHAIAH HYDERABAD, TELANGANA 500043, INDAI DR. RAJINDER INDIAN INDIAN JRR, RAJINDER INDIAN INDIAN SURVEY, NO:44/1,24,1/2, PASHAN, NEAR SUSGOAN TALUKA MULSHI, SUS ROAD, NANDE, MH-412115, INDIA SUSGOAN TALUKA MULSHI, SUS ROAD, ROF, DR. INDIAN INDIAN ROF, DR. INDIAN INDIAN ROF, NATUKULA INDIAN INDIAN VEYTA UP, INDIA UP, INDIA PROF, NATUKULA INDIAN INDIAN PROF, CR.) INDIAN INDIAN PROF, CR.) INDIAN INDIAN PROF, CR.) INDIAN INDIAN PROF, CR.) INDIAN INDIAN SIZATEGORY OF A		 	· · · · · · · · · · · · · · · · · · ·	BEI	NGALURU,	KARNATAKA 5	60012, INDIA	
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PR. RAJINDER INDIAN INDIAN HO NO: 48, VILLAGE, UPLINA, BARAMULLA, J&K, PIN 193103, INDIA PR. CHANAKYA INDIAN INDIAN DEAN, ISB & M SCHOOL OF TECHNOLOGY, SURVEY NO:44/1,44/1/2, PASHAN, NEAR SUSGOAN TALUKA MULSHI, SUS ROAD, NANDE, MH-412115, INDIA PROF. DR. INDIAN INDIAN INDIAN C.B-4-1,NIRALA NAGAR LANE NO :06, SHIVPURVA MAHMOORGANJ, VARANASI -10, UP, INDIA PROF. NATUKULA INDIAN INDIAN INDIAN UP, NDIA PROF. NATUKULA INDIAN INDIAN PLOT NO-35,D.NO : 8-1- ANADEH INDIAN INDIAN PLOT NO-35,D.NO : 8-1- PROF. (DR.) INDIAN INDIAN FL NO 104, WING-A, BHUGAON, BAVDHAN- BIPLAB KUMAR Other than Natural Person () Small Entity () Startup () Others () 4. INVENTOR(S): [Please tick (✓) at the app	ANTHAIAH				DERABAD.	TELANGANA 5	00043. INDAI	
INDER OF SOLUTION INDIAN INDIAN INDIAN DEAN, ISB & M SCHOOL OF TECHNOLOGY, SURVEY NO:44/1,44/1/2, PASHAN, NEAR SUSCOAN TALUKA MULSHI, SUS ROAD, NANDE, MH-412115, INDIA PROF. DR. INDIAN INDIAN (IIT BHU), SHUKUNTALA PLACE D-59/231- C-B-4-1,NIRALA NAGÅR LANE NO :06, SHIVPURVA MAHMOORGANJ, VARANASI -10, UP, INDIA PROF. NATUKULA INDIAN INDIAN (IIT BHU), SHUKUNTALA PLACE D-59/231- C-B-4-1,NIRALA NAGÅR LANE NO :06, SHIVPURVA MAHMOORGANJ, VARANASI -10, UP, INDIA PROF. NATUKULA INDIAN INDIAN PLOT NO-35,D.NO : 8-1- 15/35,PADMANAGAR, ROAD NO- 2,KARMANGHAT , HYDERABAD - 500079, INDIA PROF. (DR.) INDIAN INDIAN FL NO 104, WING-A, BHUGAON, BAVDHAN- 411015, PUNE, MH, INDIA ARKAR 3B. CATEGORY OF APPLICANT [Please tick () at the appropriate category] Arkural Person (DR. RAJINDER	INDIAN	INDIAN	HO	NO: 48, V	ILLAGE, UPLIN	IA, BARAMULLA,	
KUMAR JHA SURVEY N0:44/1,44/1/2, PASHAN , NEAR SUSGOAN TALUKA MULSHI, SUS ROAD, NANDE, MH-412115, INDIA PROF. DR. INDIAN INDIAN GUPTA C-B-4-1,NIRALA NAGAR LANE NO :06, WOF. NATUKULA INDIAN INDIAN PROF. OR.) INDIAN INDIAN PROF.(DR.) INDIAN FL NO 104, WING-A, BHUGAON, BAVDHAN-411015, PUNE, MH, INDIA SARKAR 3B. CATEGORY OF APPLICANT [Please tick () at the appropriate category] Are all the inventor(S): Small Entity () Startup () Others () Are all the inventor(S) same Yes (No () No () <td>OR. CHANAKYA</td> <td>INDIAN</td> <td>INDIAN</td> <td>DE</td> <td>AN, ISB & M</td> <td>A SCHOOL OF T</td> <td>ECHNOLOGY,</td> <td></td>	OR. CHANAKYA	INDIAN	INDIAN	DE	AN, ISB & M	A SCHOOL OF T	ECHNOLOGY,	
SUSGGAN TALUKA MULSHI, SUS ROAD, NANDE, MH-412115, INDIA PROF. DR. INDIAN ANDEEP KUMAR (IIT - BHU), SHUKUNTALA PLACE D-59/231- C-B-4-1,NIRALA NAGAR LANE NO :06, SHIVPURVA MAHMOORGANJ, VARANASI -10, UP, INDIA PROF. NATUKULA INDIAN PROF. OR.) INDIAN PROF. (DR.) INDIAN INDIA FL NO 104, WING-A, BHUGAON, BAVDHAN- 411015, PUNE, MH, INDIA ARKAR 3B. CATEGORY OF APPLICANT [Please tick (/) at the appropriate category] Natural Person (/) Other than Natural Person () Small Entity () Startup () Are all the inventor(s) same Yes (/) Are all the inventor(s) named No () 1 1	KUMAR JHA			SURVEY NO:44/1,44/1/2, PASHAN , NEAR				
PROF. DR. INDIAN INDIAN (IIT- BHU), SHUKUNTALA PLACE D-59/231- C-B-4-1,NIRALA NAGAR LANE NO :06, SHIVPURVA MAHMOORGANJ, VARANASI -10, UP, INDIA PROF. NATUKULA INDIAN INDIAN PLOT NO-35,D.NO : 8-1- 15/35,PADMANAGAR , ROAD NO- 2,KARMANGHAT , HYDERABAD - 500079, INDIA PROF. (DR.) INDIAN INDIAN FL NO 104, WING-A, BHUGAON, BAVDHAN- 411015, PUNE, MH, INDIA BIPLAB KUMAR INDIAN FL NO 104, WING-A, BHUGAON, BAVDHAN- 411015, PUNE, MH, INDIA 3B. CATEGORY OF APPLICANT [Please tick (/) at the appropriate category] Small Entity () Startup () 4. INVENTOR(S): [Please tick (/) at the appropriate category] Mo () as the applicant(s) named 1 1 Yes (/) No () No ()				SUSGOAN TALUKA MULSHI, SUS ROAD,				
GANDEEP KUMAR C-B-4-1,NIRALA NAGAR LANE NO :06, SHIVPURVA MAHMOORGANJ, VARANASI -10, UP, INDIA PROF. NATUKULA INDIAN PROF. NATUKULA INDIAN PAROF. (DR.) INDIAN INDIAN INDIAN PAROF. (DR.) INDIAN INDIAN INDIAN PAROF. (DR.) INDIAN INDIA FL NO 104, WING-A, BHUGAON, BAVDHAN- 411015, PUNE, MH, INDIA SARKAR ATEGORY OF APPLICANT [Please tick (JB. CATEGORY OF APPLICANT [Please tick () at the appropriate category] Natural Person (Small Entity () Startup () A. INVENTOR(S): [Please tick () at the appropriate category] Are all the inventor(s) same Yes (No () as the applicant(s) named No () No ()	PROF. DR.	INDIAN	INDIAN		'- BHU), SH	IUKUNTALA P	LACE D-59/231-	
GUPTA SHIVPURVA MAHMOORGANJ, VARANASI -10, UP, INDIA PROF. NATUKULA INDIAN INDIAN PLOT NO-35,D.NO : 8-1- 15/35,PADMANAGAR , ROAD NO- 2,KARMANGHAT , HYDERABAD - 500079, INDIA 1NDIAN PROF.(DR.) INDIAN INDIAN SHLVPURVA MAHMOORGANJ, VARANASI -10, UP, INDIA 1NDI- 2,KARMANGHAT , HYDERABAD - 500079, INDIA PROF.(DR.) INDIAN FL NO 104, WING-A, BHUGAON, BAVDHAN- 411015, PUNE, MH, INDIA SB. CATEGORY OF APPLICANT [Please tick (<) at the appropriate category]	ANDEEP KUMAR			C-B	-4-1,NIRAI	LA NAGAR LAN	E NO :06,	
PROF. NATUKULA INDIAN INDIAN PLOT NO-35,D.NO : 8-1- 15/35,PADMANAGAR , ROAD NO- 2,KARMANGHAT , HYDERABAD - 500079, INDIA PROF. (DR.) INDIAN INDIAN FL NO 104, WING-A, BHUGAON, BAVDHAN- 411015, PUNE, MH, INDIA SIPLAB KUMAR A Yes (<) at the appropriate category]	GUPTA	i i			VPURVA M	IAHMOORGAN	J, VARANASI -10,	
GAINATH 15/35,PADMANAGAR, ROAD NO- 2,KARMANGHAT, HYDERABAD - 500079, INDIA PROF.(DR.) INDIAN BIPLAB KUMAR FL NO 104, WING-A, BHUGAON, BAVDHAN- 411015, PUNE, MH, INDIA GARKAR Other than Natural Person () Small Entity () Startup () 4. INVENTOR(S): [Please tick (✓) at the appropriate category] Are all the inventor(s) same as the applicant(s) named 1	PROF. NATUKULA	INDIAN	INDIAN		DT NO-35.E	.NO : 8-1-		
2,KARMANGHAT, HYDERABAD - 500079, INDIA PROF.(DR.) INDIAN BIPLAB KUMAR INDIAN SARKAR FL NO 104, WING-A, BHUGAON, BAVDHAN- 411015, PUNE, MH, INDIA 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) same as the applicant(s) named Yes (✓) 1	SAINATH			15/	/35,PADMA	NAGAR , ROAI	D NO-	
PROF.(DR.) INDIAN INDIAN FL NO 104, WING-A, BHUGAON, BAVDHAN- 411015, PUNE, MH, INDIA BIPLAB KUMAR SARKAR 411015, PUNE, MH, INDIA 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) same as the applicant(s) named Yes (✓) 1				2,K	ARMANGH	AT, HYDERAB	AD – 500079,	
BIPLAB KUMAR 411015, PUNE, MH, INDIA SARKAR 411015, PUNE, MH, INDIA 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) same as the applicant(s) named Yes (1 1	PROF.(DR.)	INDIAN	INDIAN	FL	<u>NO 104. W</u>	ING-A. BHUGA	ON BAVDHAN-	
3B. CATEGORY OF APPLICANT [Please tick (\forall) at the appropriate category] Natural Person (\forall) Other than Natural Person () Small Entity () Startup () Others () 4. INVENTOR(S): [Please tick (\forall) at the appropriate category] Are all the inventor(s) same as the applicant(s) named 1	SIPLAB KUMAR			411	411015, PUNE, MH, INDIA			
Natural Person (\$\sqrt{)} Other than Natural Person () Small Entity () Startup () Others () 4. INVENTOR(\$): [Please tick (\$\sqrt{)}\$ at the appropriate category] Are all the inventor(\$s) same Yes (\$\sqrt{)}\$ No () as the applicant(\$s) named 1	3B. CATEGORY	OF APPLICAN	T [Please tick (√)) at the	appropriate	e category]	·	
Small Entity ()Startup ()Others ()4. INVENTOR(S): [Please tick (\checkmark) at the appropriate category]Are all the inventor(s) same Yes (\checkmark)No ()as the applicant(s) named1	Natural Person (√)	Other th	an Natu	ral Person ()			
4. INVENTOR(S): [Please tick (✓) at the appropriate category] Are all the inventor(s) same Yes (✓) as the applicant(s) named 1			Small	Entity	()	Startup ()	Others ()	
as the applicant(s) named	4. INVENTO	R(S): Please tick	$()$ at the approximation \mathbf{V}_{0}	opriate	category]	No()	j	
<u> </u>	as the applicant	t(s) named	1 es (v)					
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above?	· · · · · · · · · · · · · · · · · · ·	
If "No" furnich the details a	f the inventor(a) N A	

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

Name	Nationality	Country of Residence	Address
NA	NA	NA	NA

5. TITLE OF THE INVENTION: IOT-AAIC- WINDOW: USING IOT APLICATION ARTIFICIAL INTELLIGENT CAR WINDOWS

6. AUTHORISED REGISTERED PATENT AGENT(S)	NA
ADDITIONAL PATENT AGENTS	NA

7. ADDRESS FOR SERVICE OF APPLICANT/	Mobile No.: 8059794469
PATENT AGENT(S) IN INDIA	E-mail:
PROF.(DR.) BIPLAB KUMAR SARKAR	<u>dr.bksarkar2003@yahoo.in</u>
F L NO 104, WING-A, BHUGAON, BAVDHAN, PUNE-411015, MH, INDIA	

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

Country	Appln .Number	Filing Date	Name of the Applicant	Title of the Invention	IPC (as classified in the
			-		convention country)
NA	NA	NA	NA	NA	NA

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

International application	International filing date as allotted by the receiving
number	office.

NA	NA					
10. IN CASE OF DIVISIONA	L APPLICATION FILED UNDER SECTION					
16, PARTICULARS OF OF	RIGINAL (FIRST) APPLICATION : N.A					
Original (first) application number	Date of filing of Original (first) application					
N.A.	N.A.					
11. IN CASE OF PATENT OF	ADDITION FILED UNDER SECTION 54,					
PARTICULARS OF MAIN	APPLICATION OR PATENT: N.A					
Main application / patent Number	Date of filing of main application					
N.A.	N.A.					
12. DECLARATIONS:						
	2					

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(i) Declaration by the Inventor:

(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).

We, the above named inventor are the true & first inventor for this invention and declare that the applicant herein is my assignee or legal representative: NA

(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. : N.A.

(iii) **Declaration by the applicants:**

We, the applicants hereby declare that: -

□ 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: N.A.
- \neg \Box There is no lawful ground of objection to the grant of the patent to me/ us.
- □ We are the assignees or legal representatives of true and first inventors:
- □ The application or each of the applications, particulars of which are given in Para – 8 was the first application in convention country/countries in respect of our invention: N.A.
- □ We claim the priority from the above mentioned application 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: YES
- Our application in India is based on international application under Patent Cooperation Treaty (PCT) as mentioned in Para-9: N.A.
- □ The application is divided out of our application particulars of which are given in Para-10 and pray that this application may be treated as deemed to have been filed on N.A. under sec.16 of the Act: N.A.
- □ The said invention is an improvement in or modification of the invention particulars

of which are given in Para-11 : **N.A**.

FOLLOWING ARE THE ATTACHMENTS WITH THE APPLICATION

(a) **Form 2**

100 MUMBAL 14-03-2019 17-55

Item	Details	Fee	Remarks
Complete	No. of pages: OG	17501-	F-9' 2750
specification) #			
	No. of claims: 05		
Claim(s)	No. of pages: OL		
Abstract	No. of pages: OL		
Drawing(s)	No. of drawings: 03		
	No. of pages: 03		

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) N.A
- (c) Sequence listing in electronic form N.A
- (d) Drawings (in conformation with the international application)/as amended before the International Preliminary Examination Authority (IPEA), as applicable (2 copies) N.A
- (e) Statement and Undertaking on Form3
- (f) Declaration of Inventor ship on Form5

Request For Publication Form9: 2750.Rs (g)

(h) Poewr of Aythority

in Cash/ Banker's Cheque /Bank Draft bearing Total fee Rs. 1750...../-No..... AID

.....on...... Bank. Date.

We hereby declare that to the best of my knowledge, information and belief the facts and matters stated herein are correct and I request that a patent may be granted to me

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NAGARJUNA PITTY -DR. RAFINDER SINGH DR. CHUKKA SANTHAIAH DR. CHANAKYA KUMAR JHA







To, The Controller of Patent, The Patent Office, at Mumbai

14-93-2919