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Patent Search

Invention Title	IOT-AAIC-WINDOW: USING IOT APPLICATION ARTIFICIAL INTELLIGENT CAR WINDOWS.
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Application Number	201921009938
Application Filing Date	14/03/2019
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	COMMUNICATION
Classification (IPC)	H04L 29/00 H04W 4/00

Inventor

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Applicant

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PROF. DR. SANDEEP KUMAR GUPTA	(IIT-BHU), SHUKUNTALA PLACE D-59/231-C-B-4-1, NIRALA NAGAR LANE NO:06, SHIVPURVA MAHMOORGANJ, VARANASI-10,UP,INDIA	India	India
PROF. NATUKULA SAINATH	PLOT NO-35, D.NO:8-1-15/35,PADMANAGAR, ROAD NO-2, KARMANGHAT, HYDERABAD-500079, INDIA	India	India
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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

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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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Ministry of Commerce & Industry,
Government of India

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Application Details

APPLICATION NUMBER	201921009938
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	14/03/2019
APPLICANT NAME	1 . NAGARJUNA PITYY 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

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

In case of any discrepancy in status, kindly contact ipo-helpdesk@nic.in

<p>FORM 1 PATENTS ACT 1970 (39 of 1970) & The Patents Rules, 2003 APPLICATION FOR GRANT OF PATENT (See sections 7, 54 & 135 and rule 20(1))</p>	<p>(FOR OFFICE USE ONLY) Application No. <u>20/921009938</u> Filing Date <u>14-03-2019</u> Amount of Fees Paid: <u>1750/-</u> CBR NO. : <u>1750/-</u> Signature : <u>[Signature]</u> CBR संख्या <u>6068</u> दि. <u>14/03/2019</u></p>
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1. APPLICANTS REFERENCE / IDENTIFICATION NO. (AS ALLOTTED BY OFFICE)

2. TYPE OF APPLICATION [Please tick (✓) at the appropriate category]

<input checked="" type="checkbox"/> Ordinary (✓)		<input type="checkbox"/> Convention ()		<input type="checkbox"/> PCT-NP ()	
<input type="checkbox"/> Divisional ()	<input type="checkbox"/> Patent of Addition ()	<input type="checkbox"/> Divisional ()	<input type="checkbox"/> Patent of Addition ()	<input type="checkbox"/> Divisional ()	<input type="checkbox"/> Patent of Addition ()

3A. APPLICANT(S):

Name	Nationality	Country of Residence	Address
NAGARJUNA PITY	INDIAN	INDIAN	SENIOR SCIENTIST OFFICER, INDIAN INSTITUTE OF SCIENCE, CV RAMAN RD, BENGALURU, KARNATAKA 560012, INDIA
DR. CHUKKA SANTHAIAH	INDIAN	INDIAN	INSTITUTE OF AERONAUTICAL ENGINEERING, DUNDIGAL ROAD, DUNDIGAL, HYDERABAD, TELANGANA 500043, INDIA
DR. RAJINDER SINGH SODHI	INDIAN	INDIAN	HO NO: 48, VILLAGE, UPLINA, BARAMULLA, J&K, PIN 193103, INDIA
DR. CHANAKYA KUMAR JHA	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. SANDEEP KUMAR GUPTA	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 SAINATH	INDIAN	INDIAN	PLOT NO-35, D.NO : 8-1-15/35, PADMANAGAR, ROAD NO-2, KARMANGHAT, HYDERABAD - 500079, INDIA
PROF.(DR.) BIPLAB KUMAR SARKAR	INDIAN	INDIAN	FL NO 104, WING-A, BHUGAON, BAVDHAN-411015, PUNE, MH, INDIA

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

<input checked="" type="checkbox"/> Natural Person (✓)	<input type="checkbox"/> Other than Natural Person ()		
	<input type="checkbox"/> Small Entity ()	<input type="checkbox"/> Startup ()	<input type="checkbox"/> Others ()

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

Are all the inventor(s) same as the applicant(s) named	<input checked="" type="checkbox"/> Yes (✓)	<input type="checkbox"/> No ()
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14-Mar-2019/14160/201921009938/Form 1

above?		
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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 APPLICATION ARTIFICIAL INTELLIGENT CAR WINDOWS

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

7. ADDRESS FOR SERVICE OF APPLICANT/ PATENT AGENT(S) IN INDIA PROF.(DR.) BIPLAB KUMAR SARKAR FL NO 104, WING-A, BHUGAON, BAVDHAN, PUNE-411015, MH, INDIA	Mobile No.: 8059794469 E-mail: dr.bksarkar2003@yahoo.in
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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 number	International filing date as allotted by the receiving office.
NA	NA

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

(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.**
- 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**

Item	Details	Fee	Remarks
Complete specification) #	No. of pages: 06	1750/-	F-g, 2750
Claim(s)	No. of claims: 05 No. of pages: 01		
Abstract	No. of pages: 01		
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
- (g) Request For Publication Form9 : 2750.Rs
- (h) Poewr of Aythority

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

Date.....^{N/A} on..... Bank.

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 for the said invention.

Dated this 14/03/19 day of.....2019


NAGARJUNA PITY


DR. RAJINDER SINGH


DR. CHUKKA SANTHAI AH


DR. CHANAKYA KUMAR JHA


PROF. DR. SANDEEP KUMAR GUPTA


PROF. NATUKULA SAINATH


PROF.(DR.) BIPLAB KUMAR SARKAR

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