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Patent Search

Invention Title	IOT-CVS-ROAD: IN IOT TECHNOLOGY CONTROL VEHICLE SPEED ON ROAD.
Publication Number	13/2019
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Application Number	201921009939
Application Filing Date	14/03/2019
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Priority Date	
Field Of Invention	COMPUTER SCIENCE
Classification (IPC)	G06K 9/00

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Applicant

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Abstract:

This IOT-CVS- ROAD will help to reduce the accident and will also help to find the vehicles with any criminal activity. This Invention consists of a SYSTEM and a SMART CHIP. SYSTEM: System will install at the start of the road and at the end. Whenever a vehicle enters in the road the system will detect the type of vehicle SMART CHIP: will install in the vehicle by its smart chip. The system also checks the weather and finds the best optimal speed limit for the different type of the vehicle and limit the speed of the vehicle. System can also detect if there is any crime record related to the vehicle and can alert the authority at the time of detection. The invention can limit the speed of the vehicle according to the visibility level. SMART CHIP: Smart chip is the identity of the vehicle. It will install inside the vehicle and have the same number as the number plate so that if the number plate changed still the vehicle can be identified by its chip. Smart chip can carry VIRTUAL LICENCE and other information of the owner. By smart chip it's easy to trace vehicle.

Complete Specification

Field of the invention

My invention relates to a speed limit control for vehicles traveling on roads. More specifically, the invention is a speed limit control device for vehicles cooperating and completely complying with speed limit control signals on roads. This invention consists of Computer Science, Wireless networking and Database etc.

Background of the Invention

This invention, utilizing the map information outputting means for outputting a map of the road on which the vehicle travels, a so-called navigation system having a present position detecting means for outputting a current position of the vehicle on the map and relates to vehicle speed control apparatus for an automobile for appropriately passing through the road corners or the like of by controlling the traveling speed of the vehicle to an appropriate value in advance. The Electronic roadside signs have been provided to post speed limits. Because the signs can be controlled by a remote facility, the posted speed limits may be easily changed. However, as understood herein these signs are relatively large and require significant infrastructure and cost.

Prior Art Statement US6166658A

Speed limit control system involving road monitors and speed limit controls in the vehicle which receive signals from road transmitters installed in illuminated signs such as highway signs, traffic lights, rural signs, shopping mall signs, and residential street signs that can automatically lower and restrain the vehicle to the posted maximum MPH speed limit. There is an acute need for an economic system for remotely controlling and limiting the speeds of vehicles traveling at speeds above the road's speed limit. The related art of interest describes various speed control systems, but none discloses the present invention.

The related art will be discussed according to its perceived relevance to the present invention. U.S. Pat. No. 5,135,295 issued on May 24, 1994, to Yutaka Fujii describes a

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Government of India

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Application Details

APPLICATION NUMBER	201921009939
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	14/03/2019
APPLICANT NAME	1 . DR. CHINTHAGUNTH MUKUNDHA 2 . AKUTHOTA SATYA DINESH(ASST.PROFESSOR ME DEPT.) 3 . DR. CHUKKA SANTHAIAH(ASSOCIATE PROFESSOR, CSE DEPT.) 4 . MS. CHITRA VASANTRAO DESHMUKH 5 . DR. CHANAKYA KUMAR JHA 6 . P. ILA CHANDANA KUMARI 7 . PROF. NATUKULA SAINATH 8 . PROF.(DR.) BIPLAB KUMAR SARKAR
TITLE OF INVENTION	IOT-CVS-ROAD: IN IOT TECHNOLOGY CONTROL VEHICLE SPEED ON ROAD.
FIELD OF INVENTION	ELECTRONICS
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



200260504

FORM 1 PATENTS ACT 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. <u>201921009939</u> Filing Date <u>14-03-2019</u> Amount of Fees Paid : CBR NO. : Signature : <u>175d</u> <u>रमेश गिरी/बेक/मनी ऑडिटर इल्ट</u> <u>CBR संख्या. 6.068... दि. 10/3/2019</u> <u>के तहत प्रस्तुत हुए।</u>
1. APPLICANTS 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	Nationality	Country of Residence	Address
DR.CHINTHAGUNTH MUKUNDHA	INDIAN	INDIAN	FL NO: 301, LANE NO: 06, ROAD NO: 01, P&T COLONY, MEDIPALLY-500098, HYDERABAD TELANGANA, INDIA
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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
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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]

Natural Person (✓)	Other than Natural Person ()
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	Small Entity ()	Startup ()	Others ()
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4. INVENTOR(S): [Please tick (✓) at the appropriate category]

Are all the inventor(s) same as the applicant(s) named above?	Yes (✓)	No ()
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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-CVS- ROAD: IN IOT TECHNOLOGY CONTROL VEHICLE SPEED ON ROAD

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 F L 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-9: 2750
Claim(s)	No. of claims: 07 No. of pages: 01		
Abstract	No. of pages: 01		
Drawing(s)	No. of drawings: 08 No. of pages: 08		

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

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DR. CHANAKYA KUMAR JHA

P. ILA CHANDANA KUMARI

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