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Patent Search

Invention Title	Vehicular Ad Hoc Networks (VANETS) for Mobile Communication under changing conditions of traffic and in distributed applications
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Abstract:

Vehicular Ad hoc Networks (VANET) is getting attention owing to diversity of services that they present. A model is provided for reinforcing security in VANET for game theoretic approach using vehicle mode analysis. VANET is measured to present security associated information, traffic association, and infotainment services. Safety and traffic associated require genuine time information and expressed information engages life or death decisions. A simple and efficient security method is the foremost complexity of arranging VANET in public. Vehicular Ad Hoc Network (VANET) system is prevalent to a measure of attacks for request proliferation of forged messages as well warning messages. A scheme termed reinforcing security using Vehicle Mode Analysis in game theoretic approach for VANET (RSVMA) is proposed. A mode analysis of vehicles specifies reliability and unreliability of messages they drive. With mode all evident information on a vehicle are submitted to provide past, current and even prospect activities.

Complete Specification

Claims:1. Vehicular Ad Hoc Network (VANETS) for Mobile Communication under changing conditions of traffic and in distributed applications, wherein vehicles are set up with wireless networking environment permitting to communicate with other neighboring vehicles passing on and to RSUs with the range specified ;

the vehicular communication existing between the vehicles is multihop and similarly the RSUs are connected to each other for a vehicle to road side communication and further the vehicle Density is measured in vehicles/km that is number of vehicles travels per km. Vehicle density is defined as the number of vehicles per unit area of the roadway

wherein the RSUs help vehicle-to-vehicle communication by tunneling data. and the vehicle density of the road network is presented on comparing the Nash equilibrium integrated with Markov chain (NEIMC) to existing security games for vehicular network.

2. The performance of the said VANET as claimed in claim 1, is measured using the probability of defense rate done by the Nash equilibrium integrated with Markov Chain for VANET security. The vulnerability of the message transferred is noticed. Information passed decides the susceptibility of the attacker knowledge in recognizing the message.

3. The VANET as claimed in claim 1 wherein Conservation is trustworthy in the VANET security, as the privacy is provided to be confidential to specific scenarios where the information is being transmitted in terms of liability. The privacy of a driver is more prevented against private citizens and law enforcement agencies for protecting message leakage. Privacy conserved in NEIMC is compared to security games to show better performance in preventing

Description:Figure 1.1 describes the VANET structure, where vehicular networks system consists of large number of nodes, approximately number of vehicles exceeds

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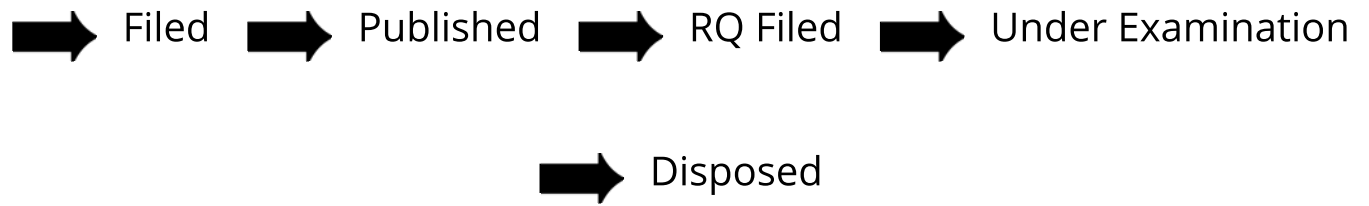
Application Details

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APPLICATION TYPE	ORDINARY APPLICATION
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APPLICANT NAME	1 . Dr. Prabhakar M 2 . Dr. Bhaskar Reddy 3 . Dr. V Sowmya Devi 4 . Dr. J Sirisha Devi 5 . CH Niranjana Kumar 6 . Yerraboina Sreenivasalu
TITLE OF INVENTION	Vehicle Ad Hoc Networks (VANETS) for Mobile Communication under changing conditions of traffic and in distributed applications
FIELD OF INVENTION	COMMUNICATION
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Application Status

APPLICATION STATUS	Awaiting Request for Examination
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FORM 1 THE PATENTS ACT 1970 (39 OF 1970) & THE PATENTS RULES, 2003 APPLICATION FOR GRANT OF PATENT (See section 7, 54&135 and rule 20 (1))		(FOR OFFICE USE ONLY)
		Application No: Filing Date: Amount of Fee Paid: CBR No: Signature:
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5. PRIORITY PARTICULARS OF THE APPLICATION (S) FILED IN CONVENTION COUNTRY		
Country	Application Number	Filing Date
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, the above named inventor(s) is the true & first inventor (s) for this invention and		

<p>declare that the applicant(s) herein is my/our-assignee or legal representative.</p> <p>(a) Date: (b) Signature: (c) Name: - Dr. Prabhakar M</p>
<p>(ii) Declaration by the Inventor (s) I, the above named inventor(s) is the true & first inventor (s) for this invention and declare that the applicant(s) herein is my/our-assignee or legal representative.</p> <p>(c) Date: (d) Signature: (c) Name: - Dr. Bhaskar Reddy</p>
<p>(iii) Declaration by the Inventor (s) I, the above named inventor(s) is the true & first inventor (s) for this invention and declare that the applicant(s) herein is my/our-assignee or legal representative.</p> <p>(e) Date: (f) Signature: (g) Name: - Dr. V Sowmya Devi</p>
<p>(iv) Declaration by the Inventor (s) I, the above named inventor(s) is the true & first inventor (s) for this invention and declare that the applicant(s) herein is my/our-assignee or legal representative.</p> <p>(h) Date: (i) Signature: (j) Name : - Dr. J Sirisha Devi</p>
<p>(v) Declaration by the Inventor (s) I, the above named inventor(s) is the true & first inventor (s) for this invention and declare that the applicant(s) herein is my/our-assignee or legal representative.</p> <p>(k) Date: (l) Signature: (vi) Name : - CH Niranjan Kumar</p>
<p>(vii) Declaration by the Inventor (s) I, the above named inventor(s) is the true & first inventor (s) for this invention and declare that the applicant(s) herein is my/our-assignee or legal representative.</p> <p>(m) Date: (n) Signature: (viii) Name : - Yerraboina Sreenivasalu</p>
<p>Declaration by the applicant (s) in the convention country 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 _____ (b) Signature (s) (c) Name(s) of the signatory</p>

iii) Declaration by the applicant(s):

We, the applicants hereby declare that:

- (√) We are in possession of the above-mentioned invention.
- (√) The ~~provisional~~/complete specification relating to the invention is filed with this application.
- (X) 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 to the grant of the Patent to me/us.
- (√) I am/~~we are~~ the assignee ~~or legal representative~~ of true & first inventors.
- (X) The application or each of the applications, particulars of which are given in Para – 5 was the first application in convention country/countries in respect of our invention.
- (X) 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.
- (X) Our application in India is based on international application under Patent Cooperation Treaty (PCT) as mentioned in Para – 6
- (X) The application is divided out of my/our application particulars of which are given in Para – 7 and pray that this application may be treated as deemed to have been filed on _____ under sec. 16 of the Act.
- (X) The said invention is an improvement in or modification of the invention particulars of which are given in Para – 8.

10. Following are the attachments with the application:

- (a) Complete specification as applicable (in duplicate), No. of pages – pages and Drawing sheets
(b) Drawings as applicable (in duplicate), No. of sheets -
Fee Rs. 1600.00 Paid online .We hereby declare that to the be

st 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 15th day of February 2022

Signature



Ravi S
Patent Agent (IN/PA-853)
Agent for the Applicant

To, The Controller of Patents
The Patent Office Branch
At Chennai