

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202411012345 A

(19) INDIA

(22) Date of filing of Application :21/02/2024

(43) Publication Date : 01/03/2024

(54) Title of the invention : SYSTEM AND METHOD FOR INTEGRATED SYNCHRONIZATION OF CONNECTED VEHICLES AND ONLINE DEVICES

(51) International classification :H04W0004020000, G08G0001010000, G08G0001096700, H04L0067306000, H04W0004210000

(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

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(57) Abstract :

A system (100) and method (200) for integrated synchronization of connected vehicles and online devices is provided. The system (100) involves advanced behavioral pattern recognition and edge computing capabilities to enhance communication and decision-making in real-time, ensuring low-latency responses in critical situations. The system (100) employs proximity-based prioritization algorithms to optimize data exchange, prioritizing critical information when vehicles are in close proximity. The system (100) utilizes self-learning capabilities to adapt and predict the communication patterns of connected vehicles, enabling proactive synchronization and resource allocation. The system (100) offers advantages such as enhanced efficiency, improved safety, customization for individual vehicles, and scalability for various traffic scenarios. The system (100) enhances the synchronization efficiency within the connected vehicle ecosystem, ensuring timely and relevant information exchange for better decision-making and navigation.

No. of Pages : 31 No. of Claims : 10