Patent Search

Invention Title	INNOVATIVE IOT ENABLED ADVANCED TRAFFIC MANAGEMENT SYSTEM
Publication Number	40/2023
Publication Date	06/10/2023
Publication Type	INA
Application Number	202341064023
Application Filing Date	23/09/2023
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	ELECTRONICS
Classification (IPC)	G08G0001010000, H04W0004020000, G06Q0050300000, G08G0001080000, G08G0001040000

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Abstract:

ABSTRACT [1] The rapid urbanization and increasing vehicle population in today's world have given rise to unprecedented traffic congestion and road safety concerns. To address these challenges, an Innovative IoT-Enabled Advanced Traffic Management System (IoT-ATMS) has emerged as a promising solution. This abstract provides an overview of the key components and benefits of this cutting edge system. IoT-ATMS leverages the power of the Internet of Things (IoT) to collect, process, and analyze real-time traffic data from various sources, including sensors, cameras, GPS devices, and mobile apps. This data is then used to optimize traffic flow, enhance road safety, and reduce congestion in urban and suburban areas. In conclusion, the IoT-Enabled Advanced Traffic Management System is a transformative solution that harnesses the potential of IoT technology to address the pressing challenges of urban traffic management. By optimizing traffic flow, enhancing road safety, and reducing congestion, IoT-ATMS contributes to more sustainable and livable cities in an increasingly connected world.

Complete Specification

Description:FIELD OF THE INVENTION

[2] Our Invention is related to “INNOVATIVE IOT ENABLED ADVANCED TRAFFIC MANAGEMENT SYSTEM”.

BACKGROUND OF THE INVENTION

[3] Urbanization and Population Growth: As populations in urban areas have grown exponentially over the past few decades, so too has the number of vehicles on the road. This urbanization trend has led to increased traffic congestion, longer commute times, and greater strain on existing transportation infrastructure.

Traffic Congestion and Its Consequences: Traffic congestion not only leads to lost productivity, increased fuel consumption, and economic costs but also poses significant environmental and health challenges due to increased air pollution and stress-related health issues.

[4] The smart traffic management system, a speculative informational, clever, effective
and mingled new transport framework that works to expand the productivity of transport foundation by new age data innovation, data communication transfer technology, electronic control technology and computer processing technology. The creative energy of smart city is inconceivable without utilizing smart traffic

View Application Status