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Patent Search

Invention Title	Emergency gateway system for emergency vehicles – Raksha Abhiyaan
Publication Number	44/2024
Publication Date	01/11/2024
Publication Type	INA
Application Number	202431081658
Application Filing Date	25/10/2024
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	ELECTRONICS
Classification (IPC)	G08G0001096500, H02J0009060000, E01C0001040000, G08G0001090000, E01F0015120000

Inventor

Name	Address	Country	Nat
Swapneel Biswas	M.Tech Student in Robotics and Automation, Department of Electronics & Communication Engineering, Brainware University, 398, Ramkrishnapur Road, Barasat, Near Jagadighata Market, Kolkata, West Bengal 700125	India	Indi
Dr. Debasis Mukherjee	Associate Professor, Department of Electronics & Communication Engineering, Brainware University, 398, Ramkrishnapur Road, Barasat, Near Jagadighata Market, Kolkata, West Bengal 700125	India	Indi
Dr. Tiny Tanushree Gohain	Assistant Professor, Dept. of Management, Brainware University, 398, Ramkrishnapur Road, Barasat, Near Jagadighata Market, Kolkata, West Bengal 700125	India	Indi

Applicant

Name	Address	Country	Nation
Brainware University	398, Ramkrishnapur Road, Barasat, Near Jagadighata Market, Kolkata, West Bengal 700125	India	India

Abstract:

The present invention relates to an emergency gateway system designed to provide uninterrupted passage for emergency vehicles, such as ambulances, fire trucks, and police vans, in areas where traffic congestion or railway crossings cause delays. The system comprises underground passages constructed at key traffic points and level crossings enabling emergency vehicles to bypass congested roads. These passages are equipped with remotely operated, high-strength metallic shutters, which are controlled by authorized personnel such as traffic or railway guards. The system ensures that emergency vehicles reach their destinations swiftly, reducing response times and potential saving lives. The emergency gateway is reserved exclusively for emergency use, ensuring that its operation is efficient and free of unnecessary obstructions.

Complete Specification

Description: The invention relates to an emergency gateway system designed to allow emergency vehicles, such as ambulances, fire trucks, and police vans, to bypass traffic congestions and railway crossings through underground passages. These passages are equipped with foldable shutters that are operated by authorized personnel, ensuring timely access for emergency vehicles while being reserved for emergency use only. , Claims: 1. An emergency gateway system designed for the smooth passage emergency vehicles, comprising:

- a network of underground passages positioned at level crossings or traffic congestion points;
 - said underground passages having sufficient height and width to accommodate emergency vehicles such as ambulances, fire trucks, and police vans;
 - mechanically operated metallic foldable shutters controlling access to the gateway, wherein said shutters are operated by traffic or railway guards;
 - a slope ranging from 7° to 12° for facilitating easy entry and exit of the emergency vehicles;
 - the system being reserved solely for emergency vehicles to ensure timely arrival at destinations during traffic jams or at blocked railway crossings.
- The emergency gateway system as claimed in Claim 1, wherein the underground passage has a minimum height of 2.5 meters to allow fire trucks and ambulances to pass through without obstruction.
 - The emergency gateway system as claimed in Claim 1, wherein the passage has a length ranging from 250 to 500 meters, based on the distance from the level crossing traffic point.
 - The emergency gateway system as claimed in Claim 1, wherein the metallic foldable shutters are made of high-strength metal to ensure durability and security when in use.

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Page last updated on: 26/06/2019