

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011022305 A

(19) INDIA

(22) Date of filing of Application :28/05/2020

(43) Publication Date : 03/12/2021

(54) Title of the invention : TRAFFIC MONITORING SYSTEM TO FACILITATE PASSAGE OF EMERGENCY VEHICLES

(51) International classification	:G08G0001096500, G08G0001017000, G09B0021000000, H04N0007180000, G08G0001040000	(71) Name of Applicant : 1)Chitkara Innovation Incubator Foundation Address of Applicant :SCO: 160-161, Sector - 9c, Madhya Marg, Chandigarh- 160009, India. Chandigarh India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)KUMAR, Ashok
(33) Name of priority country	:NA	2)MANGLA, Monika
(86) International Application No	:NA	3)SHINDE, Subhash K
Filing Date	:NA	4)MEHTA, Vaishali
(87) International Publication No	: NA	5)BHUSHAN, Megha
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure relates to the traffic monitoring system 100, which ensures rapid and safe flow of traffic when an emergency vehicle arrives at an intersection. The system 100 comprises microphones 102, cameras 106, and processing unit 104. The microphones 102 detect sirens of the emergency vehicles, and consequently the cameras 106 can be actuated. The cameras 106 capture real time images of the road, and the processing unit 104 analyzes the captured real time images to determine the presence of at least one emergency vehicle. Subsequently, the processing unit 104 can generate and transmit a set of control signals. The system 100 comprises beacons 108 configured to illuminate based on the received set of control signals, to prioritize the movement of the emergency vehicle.

No. of Pages : 22 No. of Claims : 10