(12) PATENT APPLICATION PUBLICATION

(21) Application No.201911017834 A

(19) INDIA

(22) Date of filing of Application :03/05/2019

(43) Publication Date : 06/11/2020

(54) Title of the invention : TRAFFIC MAPPING SYSTEM AND METHOD

(51) International classification	:G08G0001010000, G08G0001000000, G08G0001160000, G06T0005500000, 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
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(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	

(57) Abstract :
According to an embodiment of the present disclosure a traffic mapping system is disclosed. The system can optical sensors configured to capture one or more images of vehicular traffic on each road of a road intersection of the one or more road intersections; and control unit operatively coupled to each of the one or more optical sensors, the control unit configured to: process the captured one or more images using binary image processing to generate processed one or more images; and estimate time period required for clearing out the vehicular traffic of the road of the road intersection based on any or a combination of the comparison and the determined extent of vehicular traffic, wherein a traffic map, stored in a second database, of the area of interest is updated based on the estimated time period in real time for each of the roads of the road intersection, wherein based on the updated traffic map of the area the control unit is configured to determine an average velocity a vehicle needs to maintain to avoid traffic congestion while travelling from one position to another position within the area of interest of the map.

No. of Pages : 30 No. of Claims : 10