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(57) Abstract :

The present subject matter refers to a method of managing one or more traffic light associated with one or more lanes in a traffic system for a preidentified vehicles. The method comprises receiving one or more of images of one or more vehicles present in one or more lanes at a traffic signal. Thereafter, determining a vehicle density associated with each of the one or more lanes based on the received one or more of images of one or more vehicles present in one or more lanes. The method, then determines a fastest lane for at least one arriving preidentified vehicle (EV) based on the determined vehicle density in one or more lanes and thereby controlling a traffic light associated with one of the determined fastest lane to pass the arrived preidentified vehicle from the determined fastest lane.

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