

Title (en)

TRAFFIC SURVEILLANCE METHOD AND VEHICLE FLOW CONTROL IN A ROAD NETWORK

Title (de)

VERFAHREN ZUR VERKEHRSZUSTANDSÜBERWACHUNG UND FAHRZEUGZUFUSSSTEUERUNG IN EINEM STRASSENVERKEHRSNETZ

Title (fr)

PROCEDE DE SURVEILLANCE DU TRAFIC ET DE REGULATION DE LA CIRCULATION DES VEHICULES DANS UN RESEAU ROUTIER

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Application

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Abstract (en)

[origin: DE19835979A1] The invention relates to a method for traffic surveillance in a road network, wherein the actual or future traffic situation can be detected in one or several points of said network and wherein a distinction is made between three types of traffic situation: free traffic, synchronized traffic and traffic back-up. The invention also relates to a method for controlling the flow of vehicles, wherein surveillance of traffic situation in a segment of the network is carried out and the flow of vehicles in said segment is controlled depending on the traffic situation that has been detected. According to the invention, the traffic surveillance method is designed in such a way that transition from free to synchronized traffic and/or back-up can be detected or forecast on the basis of special criteria. According to the invention, the flow of vehicles in the segment of the road network under surveillance is controlled depending on the detected transition from free to synchronized traffic. The method according to the invention can be used, for example, in expressways.

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IPC 8 full level

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