

Title (en)
METHOD AND SYSTEM FOR ADAPTING VEHICULAR TRAFFIC FLOW

Title (de)
VERFAHREN UND SYSTEM ZUR ANPASSUNG EINES FAHRZEUGVERKEHRSFLUSSES

Title (fr)
PROCÉDÉ ET SYSTÈME POUR ADAPTER DES FLUX DE TRAFIC DE VÉHICULES

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Application
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Abstract (en)
[origin: WO2013143621A1] The invention relates to a method for adapting vehicular traffic flow with a plurality of vehicles and at least one traffic flow regulation device outside the vehicles, preferably in form of a traffic light signal controller for traffic lights, is characterized in that a) Determining current moving states of the vehicles, wherein a current moving state includes driving condition information of a vehicle, b) Determining a current device state of at least one of traffic flow regulation devices wherein a device state includes moving profile impact information for the vehicles, c) Calculating moving profiles of the vehicles and/or calculating an operational profile of at least one of the traffic flow regulation devices based on the corresponding current states d) Exchanging profile information of the calculated moving profiles and/or the calculated operational profile, e) Adapting the moving profiles and/or the operational profile according to the exchanged profile information of step d) wherein at least steps d) and e) are performed iteratively until a predetermined convergence criterion is fulfilled.

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