

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

Publication

EP 2831861 B1 20221207 (EN)

Application

EP 12721186 A 20120330

Priority

EP 2012055910 W 20120330

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.

IPC 8 full level

G08G 1/083 (2006.01)

CPC (source: EP)

G08G 1/083 (2013.01)

Cited by

WO2024124268A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2013143621 A1 20131003; EP 2831861 A1 20150204; EP 2831861 B1 20221207; JP 2015514261 A 20150518; JP 6183864 B2 20170823

DOCDB simple family (application)

EP 2012055910 W 20120330; EP 12721186 A 20120330; JP 2015502113 A 20120330