

Title (en)

System and method for radio wave based vehicle-to-vehicle spreading of road traffic information

Title (de)

System und Verfahren für das Ausbreiten von Verkehrsdaten von Fahrzeug zu Fahrzeug mittels Funkwellen

Title (fr)

Système et procédé pour la diffusion des données du trafic entre véhicule et véhicule par l'intermédiaire d'ondes radioélectriques.

Publication

EP 1975901 B1 20090325 (EN)

Application

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Priority

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Abstract (en)

[origin: EP1975901A1] The present invention relates to a system and a method for radio wave based vehicle-to-vehicle spreading of road traffic information, wherein each of the vehicles (101-104) is provided with a radio transmitter, a radio receiver, a location positioning device and a message forwarding timer. The method comprises the steps of recognizing, by a first vehicle (101), a road traffic event occurred on a section of a road (105) on which said first vehicle is travelling; generating, by said first vehicle, a piece of road traffic information relating to the road traffic event; generating, by said first vehicle, a first road trajectory description information including at least data for the identification of said road section; generating, by said first vehicle, a first message containing at least a unique identifier for said message, said piece of road traffic information, the location of the vehicle sending the first message, said location being determined by its location positioning device, and said first road trajectory description information; transmitting, by said first vehicle, said first message by radio message spreading; receiving, by at least one second vehicle (102,103,104).

IPC 8 full level

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CPC (source: EP)

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Cited by

ITVI20100165A1; DE102008052382A1; GB2472632A; GB2472632B; US10899323B2; US10254764B2; US11294396B2; US10762791B2; US11341856B2; US10520952B1; US10732645B2; US11427196B2; US10369998B2; US10474166B2; US10906544B2; US9632507B1; US10520581B2; US10514706B2; US11334092B2; US11360485B2; US10152064B2; US10216195B2; US10234871B2; US10921822B2

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