

## Title (en)

Method for associating a transmitter to a detected object in vehicle-to-vehicle communication and in a vehicle

## Title (de)

Verfahren zur Zuordnung eines Senders zu einem detektierten Objekt in der Kraftfahrzeug-zu-Kraftfahrzeug-Kommunikation und Kraftfahrzeug

## Title (fr)

Procédé d'affectation d'un émetteur à un objet détecté dans la communication véhicule à véhicule et dans un véhicule automobile

## Publication

**EP 2722833 A1 20140423 (DE)**

## Application

**EP 13003109 A 20130619**

## Priority

DE 102012020297 A 20121017

## Abstract (en)

The method involves transmitting communication information to a receiving motor vehicle (6) by a transmitter located in a host motor vehicle (1) in car-to-car communication. The communication information is associated with an object to be described by environmental data from an environmental sensor (2) in a receiving motor vehicle by comparing environmental data contained in the communication information from the environmental sensor of the host motor vehicle with corresponding environmental data of the receiving motor vehicle by using a controller (4). An independent claim is also included for a motor car.

## Abstract (de)

Verfahren zur Zuordnung eines wenigstens eine Kommunikationsinformation übermittelnden Senders in einer Kraftfahrzeug-zu-Kraftfahrzeug-Kommunikation zu einem durch Umfelddaten wenigstens eines Umfellsensors (2) beschriebenen Objekt in einem empfangenden Kraftfahrzeug (1, 1a, 1b, 1c, 1d), wobei die Zuordnung auf der Grundlage eines Vergleichs von in der Kommunikationsinformation enthaltenen Umfelddaten wenigstens eines Umfellsensors (2) des den Sender umfassenden Kraftfahrzeugs (1, 1a, 1b, 1c, 1d) mit entsprechenden Umfelddaten des empfangenden Kraftfahrzeugs (1, 1a, 1b, 1c, 1d) erfolgt.

## IPC 8 full level

**G08G 1/017** (2006.01); **G08G 1/16** (2006.01)

## CPC (source: EP US)

**G08G 1/017** (2013.01 - EP US); **G08G 1/0175** (2013.01 - EP US); **G08G 1/0962** (2013.01 - US); **G08G 1/096716** (2013.01 - EP US); **G08G 1/096758** (2013.01 - EP US); **G08G 1/096791** (2013.01 - EP US); **G08G 1/163** (2013.01 - EP US); **G08G 1/166** (2013.01 - EP US)

## Citation (search report)

- [X] DE 102010006084 A1 20101007 - GM GLOBAL TECH OPERATIONS INC [US]
- [X] DE 102010049091 A1 20120426 - GM GLOBAL TECH OPERATIONS INC [US]
- [X] DE 102009014104 A1 20090924 - DENSO CORP [JP]
- [X] WO 2011128739 A1 20111020 - TOYOTA MOTOR CO LTD [JP], et al
- [XY] YUSUKE TAKATORI ET AL: "A study of driving assistance system based on a fusion network of inter-vehicle communication and in-vehicle external sensors", INTELLIGENT TRANSPORTATION SYSTEMS (ITSC), 2011 14TH INTERNATIONAL IEEE CONFERENCE ON, IEEE, 5 October 2011 (2011-10-05), pages 254 - 259, XP032023337, ISBN: 978-1-4577-2198-4, DOI: 10.1109/ITSC.2011.6082942
- [XY] MATTHIAS ROECKL ET AL: "Sensing the environment for future driver assistance combining autonomous and cooperative appliances", FOURTH IEEE WORKSHOP ON VEHICLE-TO-VEHICLE COMMUNICATIONS (V2VCOM) 2008, 3 June 2008 (2008-06-03), Eindhoven, The Netherlands, pages 45 - 56, XP055097814, ISBN: 978-9-03-652693-7, Retrieved from the Internet <URL:http://elib.dlr.de/541111/roeckl08V2VCOM.pdf, http://sites.ieee.org/itss/files/2013/03/v10n1.pdf> [retrieved on 20140122]

## Cited by

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## Designated contracting state (EPC)

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## Designated extension state (EPC)

BA ME

## DOCDB simple family (publication)

**EP 2722833 A1 20140423**; **EP 2722833 B1 20180523**; CN 103778796 A 20140507; CN 103778796 B 20160706; DE 102012020297 A1 20140417; DE 102012020297 B4 20170831; ES 2674446 T3 20180629; US 10650674 B2 20200512; US 2014104077 A1 20140417

## DOCDB simple family (application)

**EP 13003109 A 20130619**; CN 201310478945 A 20131014; DE 102012020297 A 20121017; ES 13003109 T 20130619; US 201314055468 A 20131016