

Title (en)

METHOD AND SYSTEM TO ASSESS THE RISK OF CHANGE OF TRAFFIC LANE DURING THE DRIVING OF A LEADING VEHICLE ON A ROADWAY WITH AT LEAST TWO NEIGHBOURING TRAFFIC LANES.

Title (de)

VERFAHREN UND SYSTEM ZUR BEURTEILUNG DES RISIKOS EINES FAHRSPURWECHSELS WÄHREND DES FAHRENS EINES FÜHRENDEN FAHRZEUGS AUF EINER FAHRBAHN MIT MINDESTENS ZWEI BENACHBARTEN FAHRSPUREN

Title (fr)

PROCÉDÉ ET SYSTÈME D'ÉVALUATION DU RISQUE DE CHANGEMENT DE VOIE DE CIRCULATION PENDANT LA CONDUITE D'UN VÉHICULE DE TÊTE SUR UNE CHAUSSEE PRÉSENTANT AU MOINS DEUX VOIES DE CIRCULATION VOISINES

Publication

**EP 3127105 A4 20171122 (EN)**

Application

**EP 15774225 A 20150323**

Priority

- SE 1450385 A 20140401
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Abstract (en)

[origin: WO2015152792A1] The present invention relates to a method to assess (S1) the risk of change of traffic lane during the driving of a vehicle on a roadway with at least two neighbouring traffic lanes, comprising the step: to detect (S2) the presence of objects in traffic lanes neighbouring to the traffic lane in which the said vehicle is being driven, comprising the steps: to determine, based on specifications concerning the extent of a defined traffic lane in which the vehicle is being driven, the extent of at least one neighbouring traffic lane based on continuously determined reference positions at the vehicle relative to the said neighbouring traffic lane, in order to determine an action zone extending a specified extent in the said neighbouring traffic lane alongside the said vehicle, and, in the event of the presence of objects in the said action zone, to take measures (S3) in association with the change of traffic lane. The present invention relates also to a system to assess the risk of change of traffic lane during the driving of a vehicle on a roadway with at least two neighbouring traffic lanes, and a motor vehicle comprising such a system. The present invention relates also to a computer program and a computer program product.

IPC 8 full level

**G08G 1/16** (2006.01); **B60W 30/06** (2006.01); **B60W 30/12** (2020.01)

CPC (source: EP KR SE)

**B60W 30/08** (2013.01 - KR SE); **B60W 30/12** (2013.01 - EP KR SE); **B60W 50/14** (2013.01 - EP KR); **G08G 1/167** (2013.01 - EP KR SE)

Citation (search report)

- [A] WO 2013187828 A1 20131219 - SCANIA CV AB [SE], et al
- [A] EP 1271179 A2 20030102 - FICO MIRRORS SA [ES]
- [A] US 2007164852 A1 20070719 - LITKOUHI BAKHTIAR B [US]
- [A] JP 2007192582 A 20070802 - ALPINE ELECTRONICS INC
- [A] US 2007100551 A1 20070503 - ISHIKURA HISASHI [JP]
- See references of WO 2015152792A1

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 2015152792 A1 20151008**; BR 112016021671 A2 20170815; BR 112016021671 B1 20221206; EP 3127105 A1 20170208; EP 3127105 A4 20171122; KR 101997817 B1 20190708; KR 20160134829 A 20161123; SE 1450385 A1 20151002; SE 540270 C2 20180522

DOCDB simple family (application)

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