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 CHAUSSÉE PRÉSENTANT AU MOINS DEUX VOIES DE CIRCULATION VOISINES

Publication

EP 3127105 A1 20170208 (EN)

Application

EP 15774225 A 20150323

Priority

• SE 1450385 A 20140401
• SE 2015050342 W 20150323

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

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CPC (source: EP KR SE)

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