

Title (en)

METHOD AND SURROUNDINGS MONITORING SYSTEM FOR DETECTING OBJECTS IN THE SURROUNDINGS OF A VEHICLE, AND METHOD FOR DETERMINING A MOVEMENT LIMIT FOR A MOVEMENT OF A MOVABLE COMPONENT OF A VEHICLE, AND DOOR OPENING SYSTEM OR COLLISION WARNING SYSTEM FOR VEHICLE DOORS FOR CARRYING OUT THE METHOD

Title (de)

VERFAHREN UND UMGEBUNGSÜBERWACHUNGSSYSTEM ZUR ERFASSUNG VON OBJEKTEN IN EINER UMGEBUNG EINES FAHRZEUGS SOWIE VERFAHREN ZUM BESTIMMEN EINER BEWEGUNGSGRENZE FÜR EINE BEWEGUNG EINER BEWEGLICHEN KOMPONENTE EINES FAHRZEUGS UND TÜRÖFFNUNGSSYSTEM ODER KOLLISIONSWARNSYSTEM FÜR FAHRZEUGTÜREN ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

SYSTÈME DE SURVEILLANCE D'ENVIRONNEMENT ET PROCÉDÉ POUR LA DÉTECTION D'OBJETS DANS L'ENVIRONNEMENT D'UN VÉHICULE, ET PROCÉDÉ POUR DÉTERMINER UNE LIMITE DE MOUVEMENT POUR UN MOUVEMENT D'UN COMPOSANT MOBILE D'UN VÉHICULE, ET SYSTÈME D'OUVERTURE DE PORTIÈRE OU SYSTÈME D'AVERTISSEMENT DE COLLISION POUR PORTIÈRES DE VÉHICULE POUR EXÉCUTER LE PROCÉDÉ

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Application

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Abstract (en)

[origin: WO2023285203A1] The invention relates to a method for detecting objects (24) in the surroundings (26) of a vehicle (10), in particular for a door opening system or a collision warning system for vehicle doors (16), by means of at least one surroundings sensor (20), the vehicle (10) having at least one movable component (16), the method comprising the steps of: detecting objects (24) in the surroundings (26) of the vehicle (10) by means of the at least one surroundings sensor (20); detecting a current position of the at least one movable component (16); and identifying, from the detected objects (24), false objects (36) on the basis of their positions between the at least one movable component (16) in its current position and in its normal position. The invention further relates to a surroundings monitoring system (18) for carrying out this method. The invention also relates to a method for determining a movement limit (38) for a movement of a movable component (16) of a vehicle (10), in particular for a door opening system or a collision warning system for vehicle doors (16), on the basis of detection of objects (24) in the surroundings (26) of the vehicle (10) by means of at least one surroundings sensor (20), and to a door opening system or collision warning system for vehicle doors for carrying out this method.

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