

Title (en)

METHOD AND APPARATUS FOR MONITORING AN OCCUPANT OF A VEHICLE AND SYSTEM FOR ANALYSING THE PERCEPTION OF OBJECTS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ÜBERWACHEN EINES INSASSEN EINES FAHRZEUGS SOWIE SYSTEM ZUR ANALYSE DER WAHRNEHMUNG VON OBJEKTEN

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR SURVEILLER UN OCCUPANT D'UN VÉHICULE ET SYSTÈME POUR L'ANALYSE DE LA PERCEPTION D'OBJETS

Publication

EP 3899851 A1 20211027 (DE)

Application

EP 19816228 A 20191127

Priority

- DE 102018133445 A 20181221
- EP 2019082818 W 20191127

Abstract (en)

[origin: WO2020126375A1] The invention relates to a method for monitoring an occupant (2) of a vehicle (1), in which method the geographical position of the vehicle (1) is detected and a viewing direction (3) of the occupant (2) is detected by means of an eye-tracking device (8). The method according to the invention is characterised in that: a data store (15) is accessed in which objects (5) and geographical positions associated therewith are stored; it is determined, on the basis of the detected geographical position of the vehicle (1), whether one of the objects (5) is located in the vicinity of the vehicle (1); and it is determined, depending on the detected viewing direction (3) of the occupant (2), the detected geographical position of the vehicle (1), and the geographical position of the determined object (5) in the vicinity of the vehicle (1), whether the object (5) in the vicinity of the vehicle (1) has been perceived by the occupant (2). The invention also relates to an apparatus for monitoring an occupant (2) of a vehicle (1) and to a system for analysing the perception of objects (5) in a traffic space comprising a plurality of vehicles (1) which comprise such an apparatus.

IPC 8 full level

G06Q 30/02 (2012.01)

CPC (source: EP KR US)

B60W 40/02 (2013.01 - US); **B60W 40/08** (2013.01 - US); **B60W 50/14** (2013.01 - US); **G06Q 30/0242** (2013.01 - EP KR US); **G06Q 30/0272** (2013.01 - US); **G06V 20/58** (2022.01 - US); **G06V 20/597** (2022.01 - EP KR US); **G06V 40/18** (2022.01 - EP KR); **G06V 40/19** (2022.01 - US); **G08G 1/09626** (2013.01 - EP KR); **B60W 2420/54** (2013.01 - US); **B60W 2540/225** (2020.02 - US); **G06V 2201/10** (2022.01 - US); **G09F 15/0006** (2013.01 - US)

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2020126375 A1 20200625; CN 113168643 A 20210723; DE 102018133445 A1 20200625; EP 3899851 A1 20211027; KR 102663092 B1 20240503; KR 20210100731 A 20210817; US 12026961 B2 20240702; US 2022019824 A1 20220120

DOCDB simple family (application)

EP 2019082818 W 20191127; CN 201980084891 A 20191127; DE 102018133445 A 20181221; EP 19816228 A 20191127; KR 20217022757 A 20191127; US 201917414838 A 20191127