

Title (en)

LANE INFORMATION-BASED DRIVER ASSISTANCE METHOD AND DEVICE

Title (de)

FAHRERASSISTENZVERFAHREN UND VORRICHTUNG AUF DER BASIS VON FAHRSTREIFENINFORMATIONEN

Title (fr)

PROCÉDÉ ET SYSTÈME D'AIDE À LA CONDUITE SUR LA BASE D'INFORMATIONS CONCERNANT UNE VOIE DE CIRCULATION

Publication

EP 2250611 A2 20101117 (DE)

Application

EP 08872119 A 20081111

Priority

- EP 2008065312 W 20081111
- DE 102008007350 A 20080204

Abstract (en)

[origin: WO2009097918A2] The invention relates to a lane information-based driver assistance method and driver assistance device. According to said method, driver information and/or an action is or are triggered depending on the lane information and the lane information is derived from at least two pieces of information that characterise the lane (10), said information being obtained by means of an on-board sensor system that comprises in particular at least one video sensor. In order to more accurately detect the curve of the lane (10), discrete shape points (1.1, 1.2, 1.3, XP0, XP1, 1.n) that are assigned to the lane (1) and curve values that are assigned to each shape point are taken from a digital map of the lane (10). The curve of the lane (10) is determined by merging the data obtained from the on-board sensor system of the vehicle (2) with the data taken from the digital map.

IPC 8 full level

G06V 10/46 (2022.01)

CPC (source: EP US)

G06V 10/46 (2022.01 - EP US); **G06V 20/588** (2022.01 - EP US)

Citation (search report)

See references of WO 2009097918A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

DE 102008007350 A1 20090806; EP 2250611 A2 20101117; WO 2009097918 A2 20090813; WO 2009097918 A3 20091015

DOCDB simple family (application)

DE 102008007350 A 20080204; EP 08872119 A 20081111; EP 2008065312 W 20081111