

Title (en)

METHOD FOR DETERMINING THE POSTURE OF A DRIVER

Title (de)

VERFAHREN ZUR BESTIMMUNG DER HALTUNG EINES FAHRERS

Title (fr)

PROCÉDÉ DE DÉTERMINATION DE LA POSTURE D'UN CONDUCTEUR

Publication

EP 4196371 A1 20230621 (FR)

Application

EP 21755718 A 20210729

Priority

- FR 2008496 A 20200814
- EP 2021071328 W 20210729

Abstract (en)

[origin: WO2022033891A1] Disclosed is a method for determining the posture of a vehicle driver, the vehicle comprising a camera suitable for generating a sequence of images of the driver's position within the vehicle and an electronic control unit comprising a memory zone in which a plurality of image processing masks is stored, each mask being associated with a predetermined posture of the driver in his or her seat, the method comprising generating (E1) a sequence of images of the driver's position, by means of the camera, and sending the sequence of images to the electronic control unit, calculating (E2), by the electronic control unit, for each mask of the plurality of masks, the convolution integral of the mask at at least one image of the sequence of images received from the camera in order to obtain a correlation coefficient, and determining (E3) the posture of the driver from the mask having the highest correlation coefficient.

IPC 8 full level

B60R 21/015 (2006.01)

CPC (source: EP US)

B60Q 9/008 (2013.01 - US); **B60R 21/01538** (2014.10 - EP); **G06T 7/70** (2016.12 - US); **G06T 2207/10016** (2013.01 - US); **G06T 2207/30196** (2013.01 - US); **G06T 2207/30261** (2013.01 - US); **G06T 2207/30268** (2013.01 - US)

Citation (search report)

See references of WO 2022033891A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022033891 A1 20220217; CN 116348342 A 20230627; EP 4196371 A1 20230621; FR 3113390 A1 20220218; FR 3113390 B1 20221007; US 2023311759 A1 20231005

DOCDB simple family (application)

EP 2021071328 W 20210729; CN 202180056196 A 20210729; EP 21755718 A 20210729; FR 2008496 A 20200814; US 202118019122 A 20210729