Title (en)

METHOD FOR DRIVER IDENTIFICATION BASED ON CAR FOLLOWING MODELING

Title (de)

VERFAHREN ZUR FAHRERERKENNUNG AUF DER GRUNDLAGE EINER AUTOFOLGEMODELLIERUNG

Title (fr)

PROCÉDÉ D'IDENTIFICATION DE CONDUCTEUR REPOSANT SUR UNE MODÉLISATION DE SUIVI DE VOITURE

Publication

EP 3826895 A4 20220302 (EN)

Application

EP 18924856 A 20180626

Priority

CN 2018092903 W 20180626

Abstract (en)

[origin: WO2020000191A1] A method for driver identification based on car following modeling is provided. The method comprising :defining, at a processor, driver classes associated to drivers based on driver state parameters and driver trusted signature parameters in an initialization mode considering driving sequence; obtaining, at the processor, a set of parameters estimation of the driver state and the driver trusted signature that discriminates the most between all the drivers and the less between sequences generated by the same driver in the initialization mode; providing , at the processor, a car-following sequence composed of sequences of leading vehicle's relative motion states to the ego vehicle in a normal usage mode; and selecting, at the processor, driver identification from measurements by computation of class belonging probability in the normal usage mode based on the driver classes defined in the initialization mode.

IPC 8 full level

B60W 40/09 (2012.01)

CPC (source: EP)

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Citation (search report)

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- [A] EP 2962909 A1 20160106 - BOSCH GMBH ROBERT [DE]
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- [A] US 2018113458 A1 20180426 - DONG WEI SHAN [CN], et al
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- [A] CHENGJIE QIN ET AL: "Dot-Product Join: An Array-Relation Join Operator for Big Model Analytics", ARXIV.ORG, CORNELL UNIVERSITY LIBRARY, 201 OLIN LIBRARY CORNELL UNIVERSITY ITHACA, NY 14853, 29 February 2016 (2016-02-29), XP081408231
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Designated contracting state (EPC)

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