

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 A1 20210602 (EN)

Application

EP 18924856 A 20180626

Priority

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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

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