

Title (en)

DETERMINING DRIVING STATE VARIABLES

Title (de)

BESTIMMUNG VON FAHRZUSTANDSGRÖßEN

Title (fr)

DÉTERMINATION DE GRANDEURS D'ÉTAT DE CONDUITE

Publication

**EP 3490863 A1 20190605 (DE)**

Application

**EP 17735486 A 20170703**

Priority

- DE 102016214064 A 20160729
- EP 2017066466 W 20170703

Abstract (en)

[origin: WO2018019518A1] A method (100) for determining driving state variables of a motor vehicle (105) comprises steps of sampling an input vector (u) of signals which influence the driving state of the motor vehicle (105); sampling a first output vector (y) of variables which describe the driving state of the motor vehicle (105); determining, on the basis of the input vector (u), a weighting factor (r) and a state vector (X\*), a second output vector (ŷ) of variables which describe the driving state of the motor vehicle (105); and the adaptation of the weighting vector (r) on the basis of a difference between the two output vectors (y, ŷ). In this context, the observer (110) comprises a Kaiman filter.

IPC 8 full level

**B60W 40/064** (2012.01); **B60W 40/101** (2012.01); **B60W 40/103** (2012.01); **B60W 40/107** (2012.01); **B60W 40/109** (2012.01); **B60W 40/114** (2012.01)

CPC (source: EP US)

**B60W 40/064** (2013.01 - EP US); **B60W 40/101** (2013.01 - EP US); **B60W 40/103** (2013.01 - EP US); **B60W 40/107** (2013.01 - EP US); **B60W 40/109** (2013.01 - EP US); **B60W 40/114** (2013.01 - EP US); **B60W 50/00** (2013.01 - US); **G07C 5/02** (2013.01 - US); **G07C 5/08** (2013.01 - US); **B60W 2050/0031** (2013.01 - EP US); **B60W 2050/0034** (2013.01 - US); **B60W 2050/0052** (2013.01 - US); **B60W 2520/105** (2013.01 - US); **B60W 2520/125** (2013.01 - US); **B60W 2520/26** (2013.01 - EP US); **B60W 2520/28** (2013.01 - EP US); **B60W 2540/18** (2013.01 - EP US)

Citation (search report)

See references of WO 2018019518A1

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)

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