

Title (en)

METHOD FOR PERFORMING CLOSED-LOOP CONTROL OF A MOTOR VEHICLE AND ELECTRONIC BRAKE CONTROL UNIT

Title (de)

VERFAHREN ZUR REGELUNG EINES KRAFTFAHRZEUGS UND ELEKTRONISCHES BREMSENSTEUERGERÄT

Title (fr)

PROCÉDÉ DE RÉGULATION D'UN VÉHICULE AUTOMOBILE ET APPAREIL ÉLECTRONIQUE DE COMMANDE DE FREINAGE

Publication

**EP 3350036 A1 20180725 (DE)**

Application

**EP 16763868 A 20160914**

Priority

- DE 102015217490 A 20150914
- EP 2016071616 W 20160914

Abstract (en)

[origin: WO2017046114A1] The invention relates to a method for performing closed-loop control of a motor vehicle having a brake system, having a driving stability closed-loop control system in which an, in particular measured, actual yaw rate is compared with a setpoint yaw rate (A) which is calculated on the basis of a model, wherein during the calculation of the setpoint yaw rate for the driving stability closed-loop control system a yawing moment (Mz) of a closed-loop control device or an assistance system steering within a lane guidance or lane-keeping or lateral steering. The invention also relates to an electronic brake control unit which is suitable for carrying out the method and which is connected to at least one vehicle sensor, in particular steering angle sensor and/or yaw rate sensor and/or wheel speed sensors and which can bring about a driver-independent increase and modulation of the braking forces at the individual wheels of the motor vehicle by activating actuators.

IPC 8 full level

**B60T 8/1755** (2006.01)

CPC (source: EP KR US)

**B60T 8/17557** (2013.01 - EP KR US); **B60T 2201/083** (2013.01 - EP KR US); **B60T 2201/085** (2013.01 - EP KR US); **B60T 2201/087** (2013.01 - EP KR US); **B60T 2250/03** (2013.01 - KR); **B60T 2250/04** (2013.01 - KR); **B60T 2270/313** (2013.01 - KR); **B60W 2520/14** (2013.01 - US); **B60Y 2400/81** (2013.01 - KR)

Citation (search report)

See references of WO 2017046114A1

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)

**DE 102016217465 A1 20170316**; CN 108025713 A 20180511; EP 3350036 A1 20180725; KR 102122671 B1 20200612; KR 20180033560 A 20180403; US 2018201242 A1 20180719; WO 2017046114 A1 20170323

DOCDB simple family (application)

**DE 102016217465 A 20160914**; CN 201680052815 A 20160914; EP 16763868 A 20160914; EP 2016071616 W 20160914; KR 20187005369 A 20160914; US 201815919567 A 20180313