

Title (en)
METHOD AND SYSTEM FOR ADAPTIVELY CONTROLLING DISTANCE AND SPEED AND FOR STOPPING A MOTOR VEHICLE, AND A MOTOR VEHICLE WHICH WORKS WITH SAME

Title (de)
VERFAHREN UND SYSTEM ZUR ADAPTIVEN ABSTANDS- UND GESCHWINDIGKEITSREGELUNG UND ZUM ANHALTEN EINES KRAFTFAHRZEUGS UND DAMIT ARBEITENDES KRAFTFAHRZEUG

Title (fr)
PROCÉDÉ ET SYSTÈME DE RÉGULATION ADAPTATIVE D'UNE DISTANCE ET D'UNE VITESSE ET SERVANT À ARRÊTER UN VÉHICULE AUTOMOBILE ET VÉHICULE AUTOMOBILE FONCTIONNANT AVEC LESDITS PROCÉDÉ ET SYSTÈME

Publication
EP 2739499 A1 20140611 (DE)

Application
EP 12743725 A 20120803

Priority
• DE 102011109204 A 20110803
• EP 2012065259 W 20120803

Abstract (en)
[origin: WO2013017688A1] The invention relates to a method for stopping a motor vehicle, having an electronic environmental control device (ACC-ECU) for evaluating the data of one or more environmental sensors, and an electronic braking control device (SDC-ECU) for actuating a braking system, these exchanging information and/or instructions via a data connection, in particular a vehicle data bus. The method comprises the following steps: acquiring a distance to an obstacle, particularly a vehicle travelling ahead; determining the motor vehicle travel speed; controlling the distance to the obstacle using the environmental control device (ACC-ECU) if the travel speed exceeds a transfer threshold value; and stopping the motor vehicle using the braking control device (SDC-ECU) if the travel speed is less than or equal to said transfer threshold value. Depending on the acquired distance, said environmental control device (ACC-ECU) determines a target path for the braking control device (SDC-ECU) at the end of which the motor vehicle should be stationary. The invention also relates to an electronic control device (SDC-ECU) for a braking system, and a motor vehicle.

IPC 8 full level
B60K 31/00 (2006.01); **B60K 31/02** (2006.01); **B60K 31/04** (2006.01); **B60K 31/06** (2006.01)

CPC (source: EP US)
B60K 31/0008 (2013.01 - EP US); **B60T 7/12** (2013.01 - US); **B60W 10/184** (2013.01 - EP US); **B60W 30/165** (2013.01 - EP); **B60W 30/17** (2013.01 - EP US); **B60K 2310/30** (2013.01 - EP US)

Citation (search report)
See references of WO 2013017688A1

Cited by
CN111163980A

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

DOCDB simple family (publication)
DE 102012213815 A1 20130207; CN 103857550 A 20140611; CN 103857550 B 20170215; EP 2739499 A1 20140611; KR 20140051996 A 20140502; US 2014277990 A1 20140918; US 9358962 B2 20160607; WO 2013017688 A1 20130207

DOCDB simple family (application)
DE 102012213815 A 20120803; CN 201280048653 A 20120803; EP 12743725 A 20120803; EP 2012065259 W 20120803; KR 20147005510 A 20120803; US 201214236648 A 20120803