

Title (en)
METHOD AND DEVICE FOR CONTROLLING A COASTING MOVEMENT OF A VEHICLE

Title (de)
VERFAHREN UND VORRICHTUNG ZUR STEUERUNG EINES AUSROLLENS EINES FAHRZEUGES

Title (fr)
PROCÉDÉ ET DISPOSITIF POUR COMMANDER L'ARRÊT EN MARCHÉ À VIDE D'UN VÉHICULE

Publication
EP 2160524 A1 20100310 (DE)

Application
EP 08760048 A 20080527

Priority
• EP 2008056450 W 20080527
• DE 102007030489 A 20070630

Abstract (en)
[origin: WO2009003769A1] According to the invention, from the opening of the clutch (3), an additional braking torque is added to the braking torque of the drivetrain which is connected downstream of the clutch (3). The braking torque of the drivetrain which is connected downstream of the clutch (3) comprises for example the drag torques of the transmission (4), of an axle and/or of one or more brakes (6). The added additional braking torque corresponds to the braking torque of the internal combustion engine (2) on the wheel (5) of the drivetrain (1) at the moment or immediately before the moment in which the internal combustion engine (2) is decoupled, by the opening of the clutch (3), from the drivetrain which is connected downstream of the clutch (3). As a result of the addition of the additional braking torque to the drivetrain which is connected downstream of the clutch (3), the entire braking torque acting on the wheel (5) before the opening and also after the opening of the clutch (3) is kept constant. An increase in driving comfort of the vehicle is thereby obtained, as is an increase in safety since there is no abrupt change in the rolling resistance of the vehicle. The vehicle can therefore coast or stop in a smooth fashion.

IPC 8 full level
B60W 10/18 (2012.01); **B60W 30/18** (2012.01); **F16D 48/08** (2006.01)

CPC (source: EP US)
B60W 10/02 (2013.01 - EP US); **B60W 10/18** (2013.01 - EP US); **B60W 30/18109** (2013.01 - EP US); **F16D 48/08** (2013.01 - EP US); **B60W 2030/1809** (2013.01 - EP US); **F16D 2500/3065** (2013.01 - EP US); **F16D 2500/3108** (2013.01 - EP US); **F16D 2500/5048** (2013.01 - EP US); **Y02T 10/60** (2013.01 - EP)

Citation (search report)
See references of WO 2009003769A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
DE 102007030489 A1 20090102; EP 2160524 A1 20100310; US 2010185368 A1 20100722; WO 2009003769 A1 20090108

DOCDB simple family (application)
DE 102007030489 A 20070630; EP 08760048 A 20080527; EP 2008056450 W 20080527; US 66455508 A 20080527