

Title (en)

METHOD FOR OPERATING A DRIVE TRAIN OF A HYBRID VEHICLE

Title (de)

VERFAHREN ZUM BETREIBEN EINES ANTRIEBSSTRANGS EINES HYBRIDFAHRZEUGS

Title (fr)

PROCÉDÉ PERMETTANT DE FAIRE FONCTIONNER LA CHAÎNE CINÉMATIQUE D'UN VÉHICULE HYBRIDE

Publication

EP 2709888 A1 20140326 (DE)

Application

EP 12711133 A 20120320

Priority

- DE 102011075883 A 20110516
- EP 2012054854 W 20120320

Abstract (en)

[origin: WO2012156127A1] Method for operating a drive train of a hybrid vehicle which has a drive unit (1) which comprises at least an electric machine (3) and an internal combustion engine (2), and a transmission (5) which is connected between the drive unit (1) and an output (4), specifically a method for starting and/or deactivating the internal combustion engine (2) as a function of an output variable which is requested for the output (4), in particular a requested output torque or a requested output power, and as a function of a maximum output variable which can be made available by one of the electric machines (3) or by each electric machine (3), in particular a maximum output torque which can be made available or a maximum output power which can be made available, wherein in each case at defined times a difference is determined between the maximum output variable which can be made available by the electric machine (3) or by each electric machine and the requested output variable, and on the basis of this difference an increment is determined with which a counter reading is calculated, and wherein when the counter reading reaches or passes a limiting value in a counting direction, the internal combustion engine (2) is started, whereas when the counter reading reaches or passes the limiting value in an opposite counting direction, the internal combustion engine (2) is deactivated.

IPC 8 full level

B60W 20/00 (2006.01); **B60K 6/48** (2007.10); **B60W 10/06** (2006.01); **B60W 10/08** (2006.01)

CPC (source: EP US)

B60K 6/48 (2013.01 - EP); **B60W 10/06** (2013.01 - EP); **B60W 10/08** (2013.01 - EP US); **B60W 20/00** (2013.01 - EP); **B60W 20/10** (2013.01 - US); **B60W 2510/104** (2013.01 - EP); **B60W 2510/105** (2013.01 - EP); **B60W 2710/105** (2013.01 - EP); **B60W 2710/1061** (2013.01 - EP); **Y02T 10/62** (2013.01 - EP)

Citation (search report)

See references of WO 2012156127A1

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)

WO 2012156127 A1 20121122; DE 102011075883 A1 20121122; EP 2709888 A1 20140326

DOCDB simple family (application)

EP 2012054854 W 20120320; DE 102011075883 A 20110516; EP 12711133 A 20120320