

Title (en)

METHOD AND DEVICE FOR CONTROLLING A START-STOP OPERATION OF AN INTERNAL COMBUSTION ENGINE

Title (de)

VERFAHREN UND VORRICHTUNG EINER STEUERUNG FÜR EINEN START-STOPP-BETRIEB EINER BRENNKRAFTMASCHINE

Title (fr)

PROCEDE ET DISPOSITIF DE COMMANDE DU FONCTIONNEMENT MARCHE-ARRET D'UN MOTEUR A COMBUSTION INTERNE

Publication

EP 2313633 A1 20110427 (DE)

Application

EP 09779762 A 20090615

Priority

- EP 2009057391 W 20090615
- DE 102008041037 A 20080806

Abstract (en)

[origin: US2011184626A1] In a method of control for a start-stop operation of an internal combustion engine in a motor vehicle for briefly stopping and starting the internal combustion engine, which is started by an electric machine as starter, a detection device detects the position and the rotational speed of a crankshaft following the switch-off of the internal combustion engine. The curve of the rotational speed of the crankshaft following the switch-off of the internal combustion engine is actively and instantaneously calculated in advance.

IPC 8 full level

F02D 41/04 (2006.01); **F02N 11/08** (2006.01)

CPC (source: EP US)

F02N 11/0855 (2013.01 - EP US); **F02D 41/042** (2013.01 - EP US); **F02D 2041/0095** (2013.01 - EP US); **F02N 11/0814** (2013.01 - EP US); **F02N 19/005** (2013.01 - EP US); **F02N 2200/022** (2013.01 - EP US); **F02N 2250/04** (2013.01 - EP US); **F02N 2300/102** (2013.01 - EP US); **F02N 2300/2006** (2013.01 - EP US); **F02N 2300/2008** (2013.01 - EP US)

Citation (search report)

See references of WO 2010015449A1

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 MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

US 2011184626 A1 20110728; AT E535696 T1 20111215; CN 102112721 A 20110629; DE 102008041037 A1 20100211; EP 2313633 A1 20110427; EP 2313633 B1 20111130; JP 2011530036 A 20111215; WO 2010015449 A1 20100211

DOCDB simple family (application)

US 73765609 A 20090615; AT 09779762 T 20090615; CN 200980130822 A 20090615; DE 102008041037 A 20080806; EP 09779762 A 20090615; EP 2009057391 W 20090615; JP 2011521497 A 20090615