

Title (en)

METHOD AND DEVICE FOR IMPROVING THE RESTART OF A VEHICLE WITH START-STOP SYSTEM

Title (de)

VERFAHREN UND VORRICHTUNG ZUR VERBESSERUNG DES WIEDERSTARTENS EINES MIT START-STOPP-BETRIEB AUSGESTATTETEN FAHRZEUGS

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR AMÉLIORER LE REDÉMARRAGE D'UN VÉHICULE ÉQUIPÉ D'UN MODE ARRÊT/REDÉMARRAGE

Publication

EP 2491240 A1 20120829 (DE)

Application

EP 10751635 A 20100831

Priority

- DE 102009045886 A 20091021
- EP 2010062712 W 20100831

Abstract (en)

[origin: WO2011047916A1] The invention relates to a method and a device for improving the restart of a vehicle having a start-stop system. In order to accelerate restart, a control unit makes control signals available in a start-stop phase of the start-stop operation, due to which signals the excitation winding is supplied with a pre-excitation current in the stop phase. If there is a restart request occurring during the slow-down of the internal combustion engine, the control unit furthermore checks whether an immediate restart is possible and sensible, initiates an immediate restart if such immediate restart is possible and sensible and delays restart if an immediate restart is not possible or not sensible.

IPC 8 full level

F02N 11/04 (2006.01); **F02N 11/08** (2006.01); **F02N 15/08** (2006.01)

CPC (source: EP US)

F02N 11/04 (2013.01 - EP US); **F02N 11/0844** (2013.01 - EP US); **F02N 15/08** (2013.01 - EP US); **F02D 41/042** (2013.01 - EP US); **F02D 2041/2044** (2013.01 - EP US); **F16F 15/131** (2013.01 - EP US); **Y02T 10/40** (2013.01 - EP US)

Citation (search report)

See references of WO 2011047916A1

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 SE SI SK SM TR

DOCDB simple family (publication)

DE 102009045886 A1 20110428; CN 102575631 A 20120711; EP 2491240 A1 20120829; IN 1958DEN2012 A 20150821; US 2012259535 A1 20121011; WO 2011047916 A1 20110428

DOCDB simple family (application)

DE 102009045886 A 20091021; CN 201080047374 A 20100831; EP 10751635 A 20100831; EP 2010062712 W 20100831; IN 1958DEN2012 A 20120305; US 201013501575 A 20100831