

Title (en)
METHOD FOR OPERATING AN INTERNAL COMBUSTION ENGINE

Title (de)
VERFAHREN ZUM BETREIBEN EINER BRENNKRAFTMASCHINE

Title (fr)
PROCÉDÉ POUR FAIRE FONCTIONNER UN MOTEUR À COMBUSTION INTERNE

Publication
EP 2729688 A1 20140514 (DE)

Application
EP 12730919 A 20120626

Priority
• DE 102011078609 A 20110704
• EP 2012062310 W 20120626

Abstract (en)
[origin: WO2013004545A1] A method for operating an internal combustion engine is described. A base control variable (20) for influencing an actual value (24) of an operating variable of the internal combustion engine is determined. The actual value (24) of the operating variable is compared with a set point value (26) of the operating variable. A correction variable (8) is determined as a function of the comparison. A control variable (4) is determined as a function of the base control variable (20) and as a function of the correction variable (8). An actual value of a state variable of the internal combustion engine is determined. A starting time of a time interval of a critical change in state of the internal combustion engine is determined as a function of the determined actual state of the state variable. The control variable (4) is determined after the starting time, essentially from an intermediate variable (6) and a correction variable (8).

IPC 8 full level
F02D 41/14 (2006.01)

CPC (source: EP US)
F02D 29/00 (2013.01 - US); **F02D 41/1401** (2013.01 - EP US); **F02D 41/307** (2013.01 - EP US); **F02D 2041/1409** (2013.01 - EP US); **F02D 2041/141** (2013.01 - EP US); **F02D 2250/21** (2013.01 - EP US)

Citation (search report)
See references of WO 2013004545A1

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 102011078609 A1 20130110; CN 103649503 A 20140319; CN 103649503 B 20160921; EP 2729688 A1 20140514; US 2014236452 A1 20140821; WO 2013004545 A1 20130110

DOCDB simple family (application)
DE 102011078609 A 20110704; CN 201280033192 A 20120626; EP 12730919 A 20120626; EP 2012062310 W 20120626; US 201214131158 A 20120626