

Title (en)

METHOD FOR OPERATING AN INTERNAL COMBUSTION ENGINE WITH VARIABLE VALVE CONTROL AND EXHAUST-GAS RECIRCULATION

Title (de)

VERFAHREN ZUM BETREIBEN EINER BRENNKRAFTMASCHINE MIT VARIABLER VENTILSTEUERUNG UND ABGASRÜCKFÜHRUNG

Title (fr)

PROCÉDÉ POUR FAIRE FONCTIONNER UN MOTEUR À COMBUSTION INTERNE À COMMANDE DE SOUPAPES VARIABLE ET RECIRCULATION DES GAZ D'ÉCHAPPEMENT

Publication

**EP 2935844 A1 20151028 (DE)**

Application

**EP 13796041 A 20131125**

Priority

- DE 102012024927 A 20121219
- EP 2013074569 W 20131125

Abstract (en)

[origin: WO2014095234A1] The invention relates to a method for operating an internal combustion engine, in particular a diesel engine or Otto-cycle engine, in particular of a motor vehicle, having an external exhaust-gas recirculation (EGR) arrangement, wherein a closing time (50) of inlet valves of the internal combustion engine is varied. Here, the closing time (50) of the inlet valves is delayed to a time after a bottom dead centre of the intake stroke and the external exhaust-gas recirculation arrangement is regulated such that either an EGR mass or an EGR rate remains constant.

IPC 8 full level

**F02D 33/02** (2006.01); **F02D 13/02** (2006.01); **F02D 21/08** (2006.01); **F02D 23/02** (2006.01); **F02M 25/07** (2006.01)

CPC (source: EP)

**F02D 41/005** (2013.01); **F02D 13/0234** (2013.01); **F02D 41/0007** (2013.01); **F02D 41/0052** (2013.01); **F02D 41/0072** (2013.01); **F02D 2041/001** (2013.01); **F02M 26/06** (2016.02); **Y02T 10/40** (2013.01)

Citation (search report)

See references of WO 2014095234A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**DE 102012024927 A1 20140626**; EP 2935844 A1 20151028; WO 2014095234 A1 20140626

DOCDB simple family (application)

**DE 102012024927 A 20121219**; EP 13796041 A 20131125; EP 2013074569 W 20131125