

Title (en)

METHOD AND DEVICE FOR OPERATING AN INTERNAL COMBUSTION ENGINE

Title (de)

VERFAHREN UND VORRICHTUNG ZUM BETREIBEN EINER BRENNKRAFTMASCHINE

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR FAIRE FONCTIONNER UN MOTEUR À COMBUSTION INTERNE

Publication

EP 2347111 A1 20110727 (DE)

Application

EP 09751891 A 20091106

Priority

- EP 2009064780 W 20091106
- DE 102008058010 A 20081119

Abstract (en)

[origin: WO2010057788A1] According to a current operating state (BZ) of an internal combustion engine and/or a specified particle number emission limit (PE), a minimum hydrocarbon concentration (HCMK) of a combustion chamber exhaust gas of the internal combustion engine that is required to comply with the specified particle number emission limit is determined. An operation (B) of the internal combustion engine is specified to achieve a hydrocarbon concentration (HCK) of the combustion chamber exhaust gas that is at least as large as the determined minimum hydrocarbon concentration (HCMK).

IPC 8 full level

F02D 41/02 (2006.01); **F02D 41/14** (2006.01); **F02D 41/40** (2006.01)

CPC (source: EP US)

F02D 41/0235 (2013.01 - EP US); **F02D 41/405** (2013.01 - EP US); **F02D 41/1459** (2013.01 - EP US); **Y02T 10/40** (2013.01 - EP US)

Citation (search report)

See references of WO 2010057788A1

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 SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

DE 102008058010 A1 20100520; **DE 102008058010 B4 20150312**; EP 2347111 A1 20110727; JP 2012509431 A 20120419; JP 5091356 B2 20121205; US 2011231079 A1 20110922; WO 2010057788 A1 20100527

DOCDB simple family (application)

DE 102008058010 A 20081119; EP 09751891 A 20091106; EP 2009064780 W 20091106; JP 2011536820 A 20091106; US 200913129469 A 20091106