

Title (en)

METHOD AND DEVICE FOR OPERATING AN INTERNAL COMBUSTION ENGINE

Title (de)

VERFAHREN UND VORRICHTUNG ZUM BETREIBEN EINER BRENNKRAFTMASCHINE

Title (fr)

PROCEDE ET DISPOSITIF DE FONCTIONNEMENT D'UN MOTEUR A COMBUSTION INTERNE

Publication

EP 1859136 B1 20120411 (DE)

Application

EP 06708342 A 20060217

Priority

- EP 2006060051 W 20060217
- DE 102005011027 A 20050308

Abstract (en)

[origin: WO2006094892A1] The invention relates to a method and device (15) for operating an internal combusting engine (1), in particular a motor vehicle, which makes it possible to optimally compensate all losses of the internal combusting engine in a half-engine operation functionality. The inventive internal combusting engine (1) comprises several cylinder banks (5, 20), wherein at least the first cylinder bank (5) can be deactivated and, when said first cylinder bank (5) is deactivated, the losses thereof are taken into consideration in the form of the second cylinder bank (10) losses, and the default value of the second cylinder bank (10) quantity is formed in several steps. During at least one step, the first cylinder bank (5) losses are injected in the form of the second cylinder bank losses in such a way that the default value is formed.

IPC 8 full level

F02D 11/10 (2006.01); **F02D 17/02** (2006.01); **F02D 41/36** (2006.01)

CPC (source: EP KR US)

F02D 11/10 (2013.01 - KR); **F02D 11/105** (2013.01 - EP US); **F02D 17/02** (2013.01 - EP US); **F02D 41/0087** (2013.01 - EP US); **F02D 41/36** (2013.01 - KR); **F02D 41/266** (2013.01 - EP US); **F02D 2200/1006** (2013.01 - EP US); **F02D 2250/18** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

DE 102005011027 A1 20060914; CN 101137828 A 20080305; EP 1859136 A1 20071128; EP 1859136 B1 20120411; JP 2008533355 A 20080821; KR 20070115942 A 20071206; US 2008236540 A1 20081002; US 7685998 B2 20100330; WO 2006094892 A1 20060914

DOCDB simple family (application)

DE 102005011027 A 20050308; CN 200680007819 A 20060217; EP 06708342 A 20060217; EP 2006060051 W 20060217; JP 2008500155 A 20060217; KR 20077020496 A 20070907; US 88592306 A 20060217