

Title (en)

METHOD AND DEVICE FOR OPERATING AN INTERNAL COMBUSTION ENGINE WITH DIRECT GAS INJECTION

Title (de)

VERFAHREN UND VORRICHTUNG ZUM BETREIBEN EINER BRENNKRAFTMASCHINE MIT BENZINDIREKTEINSPRITZUNG

Title (fr)

PROCEDE ET DISPOSITIF POUR FAIRE FONCTIONNER UN MOTEUR A COMBUSTION INTERNE A INJECTION D'ESSENCE DIRECTE

Publication

EP 1190167 B1 20050126 (DE)

Application

EP 99959218 A 19991021

Priority

- DE 9903373 W 19991021
- DE 19909658 A 19990305

Abstract (en)

[origin: DE19909658A1] The invention relates to a method and a device for operating an internal combustion engine with direct gas injection which has at least two cylinder banks or cylinder groups. The internal combustion engine is controlled on the basis of at least one specified value. The specified value for one cylinder bank or cylinder group differs from the specified value for at least one second cylinder bank or cylinder group in at least one operating mode.

IPC 1-7

F02D 41/14; **F02D 41/30**

IPC 8 full level

F02D 41/14 (2006.01); **F02D 41/00** (2006.01); **F02D 41/26** (2006.01); **F02D 41/30** (2006.01); **F02D 41/34** (2006.01); **F02D 41/02** (2006.01)

CPC (source: EP US)

F02D 41/0082 (2013.01 - EP US); **F02D 41/266** (2013.01 - EP US); **F02D 41/3029** (2013.01 - EP US); **F02D 41/3064** (2013.01 - EP US); **F02D 41/0275** (2013.01 - EP US)

Cited by

US9889942B2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

DE 19909658 A1 20000907; BR 9917194 A 20011226; DE 59911534 D1 20050303; EP 1190167 A1 20020327; EP 1190167 B1 20050126; JP 2002538367 A 20021112; RU 2236607 C2 20040920; US 6494179 B1 20021217; WO 0052318 A1 20000908

DOCDB simple family (application)

DE 19909658 A 19990305; BR 9917194 A 19991021; DE 59911534 T 19991021; DE 9903373 W 19991021; EP 99959218 A 19991021; JP 2000602512 A 19991021; RU 2001126562 A 19991021; US 91476101 A 20010918