

Title (en)

METHOD AND DEVICE FOR OPERATING AND MONITORING AN INTERNAL COMBUSTION ENGINE

Title (de)

VERFAHREN UND VORRICHTUNG ZUM BETREIBEN UND ZUR ÜBERWACHUNG EINER BRENNKRAFTMASCHINE

Title (fr)

PROCEDE ET DISPOSITIF POUR FAIRE FONCTIONNER ET SURVEILLER UN MOTEUR A COMBUSTION INTERNE

Publication

EP 1045966 B1 20020814 (DE)

Application

EP 99936349 A 19990528

Priority

- DE 9901579 W 19990528
- DE 19841151 A 19980909

Abstract (en)

[origin: DE19841151A1] The invention relates to a method and a device for operating and monitoring an internal combustion engine. In at least one operating state the internal combustion engine is run on a lean air/fuel mixture and at least one quantity representing the degree of accelerator pedal application and one quantity representing engine speed are detected. In at least one operating state the internal combustion engine can be run only with an almost stoichiometric or rich mixture and/or with a limited air supply. Operation of the internal combustion engine is monitored on the basis of at least one operating quantity of same.

IPC 1-7

F02D 31/00; F02D 41/08; F02D 41/12; F02D 41/16

IPC 8 full level

F02D 9/02 (2006.01); **F02D 11/10** (2006.01); **F02D 31/00** (2006.01); **F02D 35/00** (2006.01); **F02D 41/08** (2006.01); **F02D 41/12** (2006.01); **F02D 41/14** (2006.01); **F02D 41/16** (2006.01); **F02D 41/22** (2006.01)

CPC (source: EP KR US)

F02D 31/00 (2013.01 - KR); **F02D 35/0023** (2013.01 - EP US); **F02D 41/2441** (2013.01 - EP US); **F02D 41/2454** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

DE 19841151 A1 20000316; BR 9906941 A 20001003; DE 59902332 D1 20020919; EP 1045966 A1 20001025; EP 1045966 B1 20020814; JP 2002524682 A 20020806; JP 4369621 B2 20091125; KR 100694743 B1 20070314; KR 20010024586 A 20010326; RU 2220307 C2 20031227; US 6357419 B1 20020319; WO 0014394 A1 20000316

DOCDB simple family (application)

DE 19841151 A 19980909; BR 9906941 A 19990528; DE 59902332 T 19990528; DE 9901579 W 19990528; EP 99936349 A 19990528; JP 2000569113 A 19990528; KR 20007004955 A 20000508; RU 2000115304 A 19990528; US 55412800 A 20000509