

Title (en)

METHOD FOR OPERATING AN INTERNAL COMBUSTION ENGINE, IN PARTICULAR FOR A MOTOR VEHICLE

Title (de)

VERFAHREN ZUM BETREIBEN EINER BRENNKRAFTMASCHINE INSBESONDERE EINES KRAFTFAHRZEUGS

Title (fr)

PROCEDE POUR L'EXPLOITATION D'UN MOTEUR A COMBUSTION INTERNE, EN PARTICULIER D'UN VEHICULE

Publication

**EP 0923665 B1 20020410 (DE)**

Application

**EP 98942470 A 19980701**

Priority

- DE 9801809 W 19980701
- DE 19729100 A 19970708

Abstract (en)

[origin: DE19729100A1] The invention relates to a method for operating an internal combustion engine (1), in particular for a motor vehicle. In this method, fuel is injected directly into a combustion chamber. This can take place during a compression phase, in accordance with a first operating mode, or during an intake phase, in accordance with a second operating mode. In both operating modes, the fuel mass injected into the combustion chamber is controlled and/or regulated in accordance with a calculated desired moment supplied by the internal combustion engine. An actual moment (Mist), supplied by the internal combustion engine (1), and a permissible moment (zM) are determined (18 or 19, 20) and the actual moment (Mist) is compared (21) against the permissible moment (zM).

IPC 1-7

**F02D 41/30**; **F02D 41/22**

IPC 8 full level

**F02D 45/00** (2006.01); **F02D 41/02** (2006.01); **F02D 41/14** (2006.01); **F02D 41/22** (2006.01); **F02D 41/30** (2006.01)

CPC (source: EP US)

**F02D 41/1497** (2013.01 - EP US); **F02D 41/22** (2013.01 - EP US); **F02D 41/3029** (2013.01 - EP US); **F02D 2041/389** (2013.01 - EP US); **F02D 2200/1004** (2013.01 - EP US); **F02D 2250/18** (2013.01 - EP US); **F02D 2250/26** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR

DOCDB simple family (publication)

**DE 19729100 A1 19990114**; DE 59803716 D1 20020516; EP 0923665 A1 19990623; EP 0923665 B1 20020410; JP 2001500222 A 20010109; JP 4488446 B2 20100623; US 6247445 B1 20010619; WO 9902836 A1 19990121

DOCDB simple family (application)

**DE 19729100 A 19970708**; DE 59803716 T 19980701; DE 9801809 W 19980701; EP 98942470 A 19980701; JP 50798299 A 19980701; US 25458299 A 19990305