

Title (en)

METHOD FOR IMPROVING THE TRUE RUNNING OF AN INTERNAL COMBUSTION ENGINE

Title (de)

VERFAHREN ZUR VERBESSERN DES RUNDLAUFS EINER BRENNKRAFTMASCHINE

Title (fr)

PROCEDE POUR AMELIORER LE FONCTIONNEMENT REGULIER D'UN MOTEUR A COMBUSTION INTERNE

Publication

EP 1527267 A1 20050504 (DE)

Application

EP 03787596 A 20030617

Priority

- DE 0302005 W 20030617
- DE 10233778 A 20020725

Abstract (en)

[origin: DE10233778A1] The method involves determining part moments provided by the cylinders of the combustion engine. A cylinder coordination factor (FZGST,i) is formed for each cylinder. The hub of the injection valve allocated to the cylinder is corrected depending on the cylinder coordination factor. Each cylinder has an injection valve with variable hub. Independent claims are also provided for (1) Computer program for the compensation method (2) Control apparatus for combustion engine

IPC 1-7

F02D 41/34; **F02D 41/14**; **F02D 41/20**

IPC 8 full level

F02D 41/00 (2006.01); **F02D 41/02** (2006.01); **F02D 41/14** (2006.01); **F02D 41/20** (2006.01); **F02D 41/34** (2006.01); **F02D 41/36** (2006.01); **F02M 51/06** (2006.01); **F02M 61/16** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)

F02D 41/0085 (2013.01); **F02D 41/2096** (2013.01); **F02M 51/0603** (2013.01); **F02M 61/167** (2013.01); **F02D 41/1498** (2013.01); **F02D 2200/1015** (2013.01); **F02M 61/161** (2013.01); **F02M 63/0026** (2013.01); **F02M 2200/703** (2013.01)

Citation (search report)

See references of WO 2004016931A1

Cited by

DE102009045723A1

Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

DE 10233778 A1 20040205; DE 50309265 D1 20080410; EP 1527267 A1 20050504; EP 1527267 B1 20080227; JP 2005533969 A 20051110; JP 4327721 B2 20090909; WO 2004016931 A1 20040226

DOCDB simple family (application)

DE 10233778 A 20020725; DE 0302005 W 20030617; DE 50309265 T 20030617; EP 03787596 A 20030617; JP 2004528313 A 20030617