

Title (en)

Method for controlling an internal combustion engine with reduction of exhaust emissions

Title (de)

Verfahren zur Steuerung einer Brennkraftmaschine zur Verminderung von Schadstoffemissionen

Title (fr)

Procédé de commande d'un moteur à combustion interne pour réduire les dispersions des émissions de polluants.

Publication

EP 1691062 A1 20060816 (FR)

Application

EP 05300981 A 20051130

Priority

FR 0413796 A 20041223

Abstract (en)

The method involves defining correction instructions to correct engine control parameters obtained from differences between measured and nominal values of characteristic quantities of an exhaust gas and preset correction tables. Two preponderant parameters, for each operation zone, are determined and corrected using correction values obtained by preset correction cartographies (50, 51, 70, 71) stored in an electronic control unit (2). The engine control parameters are air flow, manifold pressure, pre-injected fuel quantity, centrifugal spark advance and rail pressure. An independent claim is also included for an internal combustion engine.

IPC 8 full level

F02D 41/14 (2006.01); **F02D 43/00** (2006.01)

CPC (source: EP)

F02D 41/1401 (2013.01); **F02D 41/146** (2013.01); **F02D 41/2474** (2013.01); **F02D 41/1454** (2013.01); **F02D 41/2477** (2013.01); **F02D 2250/36** (2013.01)

Citation (search report)

- [A] FR 2849112 A1 20040625 - RENAULT SA [FR]
- [AD] US 6581571 B2 20030624 - KUBESH JOHN THOMAS [US], et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2880071 A1 20060630; **FR 2880071 B1 20070223**; AT E464465 T1 20100415; DE 602005020577 D1 20100527; EP 1691062 A1 20060816; EP 1691062 B1 20100414; JP 2006177348 A 20060706

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