Title (en)

Method to operate an internal combustion engine

Title (de)

Verfahren zum Betrieb einer Brennkraftmaschine

Title (fr)

Procédé de fonctionnement d'un moteur à combustion interne

Publication

EP 1273783 A2 20030108 (DE)

Application

EP 02012970 A 20020612

Priority

DE 10131783 A 20010703

Abstract (en)

As soon as a change from an old value to a new value occurs in an amount of injected fuel, the amount supplied is immediately changed by relying on the new value of the amount for injection. The old amount for injection is still injected for a discretionary waiting time dependent on number of cylinders and transmission ratio between the high-pressure pump and an internal combustion engine. A high-pressure pump (16) pumps fuel into a pressurized reservoir (17) and a metering unit (15) for the pump to feed in an amount of fuel extracted from the reservoir and injected into an engine. Independent claims are also included for a computer program for a control device for a motor vehicle's internal combustion engine, for a control device for a motor vehicle's internal combustion engine and for a motor vehicle's internal combustion engine.

Abstract (de)

Die Erfindung betrifft ein Verfahren zum Betrieb einer Brennkraftmaschine, insbesondere zur Stabilisierung des Kraftstoffdrucks in einem Druckspeicher bei einer schnellen Änderung der dem Druckspeicher zur Einspritzung entnommenen Kraftstoffmenge. <IMAGE>

IPC 1-7

F02D 41/38

IPC 8 full level

F02M 47/00 (2006.01); **F02D 41/04** (2006.01); **F02D 41/38** (2006.01); **F02D 45/00** (2006.01); **F02M 55/02** (2006.01)

CPC (source: EP US)

F02D 41/3836 (2013.01 - EP US); F02D 41/3845 (2013.01 - EP US); F02D 41/3872 (2013.01 - EP US); F02D 2041/389 (2013.01 - EP US)

Cited by

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Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 1273783 A2 20030108; **EP 1273783 A3 20050921**; **EP 1273783 B1 20080319**; DE 10131783 A1 20030123; DE 10131783 B4 20060316; DE 50211904 D1 20080430; JP 2003097327 A 20030403; JP 4173695 B2 20081029; US 2003023366 A1 20030130; US 6714853 B2 20040330

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