

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 A3 20050921 (DE)

Application
EP 02012970 A 20020612

Priority
DE 10131783 A 20010703

Abstract (en)
[origin: EP1273783A2] 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.

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F02D 41/38

IPC 8 full level
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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)

Citation (search report)

- [A] US 6035829 A 20000314 - HARTKE ANDREAS [DE], et al
- [A] DE 19618932 A1 19971120 - SIEMENS AG [DE]
- [A] EP 1002948 A2 20000524 - MITSUBISHI MOTORS CORP [JP]

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EP2187029A1; US8240290B2

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