

Title (en)

METHOD FOR OPERATING AN INTERNAL COMBUSTION ENGINE MAINLY INTENDED FOR A MOTOR VEHICLE

Title (de)

VERFAHREN ZUM BETREIBEN EINER BRENNKRAFTMASCHINE INSBESONDERE EINES KRAFTFAHRZEUGS

Title (fr)

PROCEDE DE FONCTIONNEMENT D'UN MOTEUR A COMBUSTION INTERNE NOTAMMENT POUR UN VEHICULE A MOTEUR

Publication

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Application

**EP 99922056 A 19990322**

Priority

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- DE 19813381 A 19980326

Abstract (en)

[origin: DE19813381A1] The present invention relates to an internal combustion engine (1) which is mainly intended for a motor vehicle. The engine comprises an injection valve (8) for directly injecting fuel into a combustion chamber (4) either during an inlet phase according to a first operation mode or during a compression phase according to a second operation mode. A regulation device (16) is also provided for determining the amount of air (rl) supplied to the combustion chamber (4) and for controlling and/or adjusting the amount of fuel injected into said combustion chamber (4) in a different manner for each operation mode. The regulation device (16) ensures the transition from the first operation mode to the second operation mode according to the amount of air (rl) supplied into the combustion chamber (4).

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