

Title (en)

METHOD FOR OPERATING AN INTERNAL COMBUSTION ENGINE DURING ENGINE BRAKING

Title (de)

VERFAHREN ZUM BETREIBEN EINER BRENNKRAFTMASCHINE IM MOTORBREMSBETRIEB

Title (fr)

PROCEDE POUR FAIRE FONCTIONNER UN MOTEUR A COMBUSTION INTERNE LORS DU FONCTIONNEMENT DU FREIN MOTEUR

Publication

EP 1725756 A1 20061129 (DE)

Application

EP 05715708 A 20050303

Priority

- EP 2005002256 W 20050303
- DE 102004011652 A 20040310

Abstract (en)

[origin: WO2005088105A1] The invention relates to a method for operating an internal combustion engine of a motor vehicle during engine braking. According to the invention, the internal combustion engine is operated with at least one unfired cylinder, and the internal combustion engine has variably controllable valve gears for intake valves and exhaust valves of each cylinder and has a supercharger device for increasing the pressure inside the intake tract of the cylinder. The aim of the invention is to improve the engine braking behavior and the response of the supercharger device of a motor vehicle. To this end, the invention provides that the intake valves and exhaust valves are controlled for setting a specified braking torque that can be set by compressing the air mass inside each unfired cylinder.

IPC 8 full level

F02D 13/04 (2006.01); **F02D 41/00** (2006.01); **F02D 41/12** (2006.01)

CPC (source: EP US)

F02D 13/04 (2013.01 - EP US); **F02D 41/0005** (2013.01 - EP US); **F02D 41/0007** (2013.01 - EP US); **F02D 41/123** (2013.01 - EP US); **F02D 2041/001** (2013.01 - EP US); **Y02T 10/40** (2013.01 - EP US)

Citation (search report)

See references of WO 2005088105A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

WO 2005088105 A1 20050922; DE 102004011652 A1 20051006; DE 102004011652 B4 20060921; EP 1725756 A1 20061129; US 2007062487 A1 20070322; US 7308886 B2 20071218

DOCDB simple family (application)

EP 2005002256 W 20050303; DE 102004011652 A 20040310; EP 05715708 A 20050303; US 51828306 A 20060911