

Title (en)

METHOD FOR OPERATION OF AN INTERNAL COMBUSTION ENGINE

Title (de)

VERFAHREN ZUM BETREIBEN EINER BRENNKRAFTMASCHINE

Title (fr)

PROCEDE DE FONCTIONNEMENT D'UN MOTEUR A COMBUSTION INTERNE

Publication

EP 1751412 A1 20070214 (DE)

Application

EP 05742864 A 20050520

Priority

- EP 2005005516 W 20050520
- DE 102004026405 A 20040529

Abstract (en)

[origin: WO2005116426A1] The invention relates to a method for operation of an internal combustion engine with a supercharger device and with variable inlet valve operation, with regard to the inlet valve timing and/or inlet valve stroke, whereby, on recognition of a positive load demand during the supercharger operation, the at least one variable valve operation is controlled such that a given reserve stroke and/or inlet closing time time reserve is used to increase the amount of charge air (air mass).

IPC 8 full level

F02D 23/02 (2006.01); **F02D 13/02** (2006.01); **F02D 23/00** (2006.01); **F02D 41/00** (2006.01); **F02D 41/10** (2006.01); **F02B 37/00** (2006.01)

CPC (source: EP US)

F02D 13/0226 (2013.01 - EP US); **F02D 13/0269** (2013.01 - EP US); **F02D 23/00** (2013.01 - EP US); **F02D 41/0007** (2013.01 - EP US);
F02D 41/10 (2013.01 - EP US); **F02B 37/00** (2013.01 - EP US); **F02B 2275/32** (2013.01 - EP US); **F02D 13/0253** (2013.01 - EP US);
F02D 2041/001 (2013.01 - EP US); **F02D 2250/22** (2013.01 - EP US); **Y02T 10/12** (2013.01 - EP US)

Citation (search report)

See references of WO 2005116426A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

WO 2005116426 A1 20051208; DE 102004026405 A1 20051222; DE 102004026405 B4 20060907; EP 1751412 A1 20070214;
US 2007068156 A1 20070329; US 7360514 B2 20080422

DOCDB simple family (application)

EP 2005005516 W 20050520; DE 102004026405 A 20040529; EP 05742864 A 20050520; US 60479006 A 20061128