

Title (en)

Method for setting a manifold pressure of a combustion engine

Title (de)

Verfahren zur Einstellung eines Ladedrucks einer Verbrennungskraftmaschine

Title (fr)

Procédé de réglage d'une pression d'admission d'un moteur à combustion interne

Publication

EP 2543843 A3 20140416 (DE)

Application

EP 12166761 A 20120504

Priority

DE 102011051559 A 20110705

Abstract (en)

[origin: EP2543843A2] The method involves connecting fresh air intake channel (1), fresh air discharge channel (2), exhaust gas supply channel (3) and exhaust gas discharge channel (4) at different points of pressure wave supercharger (B) so that supercharging pressure is formed in internal combustion engine (A). The channels are connected to the engine by a gas valve (F). The cross-sectional areas of channel openings are set by control element (D). The position of control element is adjusted based on difference between actual and target values indicating position of the gas valve.

IPC 8 full level

F02B 33/42 (2006.01); **F04F 13/00** (2009.01)

CPC (source: EP)

F02B 33/42 (2013.01); **F04F 13/00** (2013.01)

Citation (search report)

- [AD] DE 102006020522 A1 20071108 - BOSCH GMBH ROBERT [DE]
- [A] EP 0210328 A1 19870204 - BBC BROWN BOVERI & CIE [CH]
- [A] EP 0899435 A1 19990303 - SWISSAUTO ENG SA [CH]
- [A] US 5724949 A 19980310 - LIANG CHO Y [US]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102011051559 B3 20120816; EP 2543843 A2 20130109; EP 2543843 A3 20140416; EP 2543843 B1 20141022; JP 2013015136 A 20130124

DOCDB simple family (application)

DE 102011051559 A 20110705; EP 12166761 A 20120504; JP 2012142850 A 20120626