

Title (en)

Method for controlling an internal combustion engine with a gas-dynamic pressure-wave machine

Title (de)

Verfahren zur Regelung einer Verbrennungsmaschine mit einer Gasdynamischen Druckwellenmaschine

Title (fr)

Procédé de contrôle d'un moteur à combustion interne avec une machine à ondes de pression à dynamique des gaz

Publication

EP 1375859 B1 20070718 (DE)

Application

EP 03405381 A 20030527

Priority

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- EP 02405544 A 20020628

Abstract (en)

[origin: EP1375859A2] The supercharger (30) is connected to the IC engine (33) by the HP exhaust gas (31) and supercharged air (32) ducts the width of the former being variable. The gas housing (34) can be rotated approx. 250 relative to the air housing. The aim is to line-up the openings of these ducts to coordinate the operation of the charger with a specific characteristic. A pipe (46) connects the supercharged air duct to the exhaust gas duct and is fitted with an electronically controlled non-return valve (47). This enables positive pressure surges in the air duct to be transferred to the exhaust gas duct.

IPC 8 full level

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IPC 8 main group level

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CPC (source: EP)

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