

Title (en)
Gas-dynamic pressure wave supercharger

Title (de)
Gasdynamische Druckwellenmaschine

Title (fr)
Echangeur de pression dynamique à ondes

Publication
EP 1347157 B1 20051109 (DE)

Application
EP 02006066 A 20020318

Priority
EP 02006066 A 20020318

Abstract (en)
[origin: EP1347157A1] Gas dynamic pressure wave machine has a line (54, 57) leading from a high pressure exhaust gas channel (31) to a low pressure exhaust gas channel (35). The line is regulated via a suitable device to maintain the pressure wave process. A part of the exhaust gas stream from the high pressure exhaust gas stream is led from the high pressure channel into an enlarged section (53) before further exhaust gas is led from the high pressure exhaust gas channel to the low pressure exhaust gas channel. Preferred Features: The enlarged section consists of a recess or extension having a device for changing the enlargement without forming bar. The width of the opening of the line can be changed using an adjusting part. The adjusting part is regulated using a microprocessor.

IPC 1-7
F02B 33/42; **F04F 11/02**

IPC 8 full level
F02B 33/42 (2006.01); **F02B 37/12** (2006.01); **F02B 37/18** (2006.01); **F04F 13/00** (2009.01)

IPC 8 main group level
F04F 99/00 (2009.01)

CPC (source: EP US)
F02B 33/42 (2013.01 - EP US); **F04F 13/00** (2013.01 - EP US)

Cited by
DE102010048345A1; WO2012048785A1

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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1347157 A1 20030924; **EP 1347157 B1 20051109**; AT E309455 T1 20051115; AU 2003200866 A1 20031002; DE 50204848 D1 20051215; ES 2252338 T3 20060516; JP 2004003451 A 20040108; JP 4335558 B2 20090930; US 2003226353 A1 20031211; US 7080633 B2 20060725

DOCDB simple family (application)
EP 02006066 A 20020318; AT 02006066 T 20020318; AU 2003200866 A 20030306; DE 50204848 T 20020318; ES 02006066 T 20020318; JP 2003074333 A 20030318; US 38489803 A 20030307