

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  
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DOCDB simple family (publication)  
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DOCDB simple family (application)  
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