

Title (en)

Active silencer for exhaust systems

Title (de)

Aktiver Schalldämpfer für Abgasanlagen

Title (fr)

Silencieux actif pour système d'échappement

Publication

EP 1318281 A3 20040107 (DE)

Application

EP 02018051 A 20020813

Priority

DE 10159487 A 20011204

Abstract (en)

[origin: DE10159487C1] The sound damping device (1) has a hollow body (4) with at least one movable wall (6), operated by a drive (10), for generation of counter sound, acoustically coupled to the engine exhaust pipe (9). The movable wall is provided by the bottom of a piston (5), the hollow body providing a cylinder space within which the piston is reciprocated at a constant ratio to the engine revs.

IPC 1-7

F01N 1/06

IPC 8 full level

F01N 1/06 (2006.01)

CPC (source: EP)

F01N 1/065 (2013.01)

Citation (search report)

- [DY] EP 0916817 A2 19990519 - LEISTRITZ ABGASTECH [DE]
- [Y] DATABASE WPI Week 198220, Derwent World Patents Index; AN 1982-F9196E, XP002260611
- [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 08 6 October 2000 (2000-10-06)
- [A] PATENT ABSTRACTS OF JAPAN vol. 017, no. 686 (M - 1529) 15 December 1993 (1993-12-15)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

DE 10159487 C1 20030220; DE 50204073 D1 20051006; EP 1318281 A2 20030611; EP 1318281 A3 20040107; EP 1318281 B1 20050831

DOCDB simple family (application)

DE 10159487 A 20011204; DE 50204073 T 20020813; EP 02018051 A 20020813