

Title (en)

Silencing device, particularly for turbocharged engine

Title (de)

Schalldämpfereinrichtung, insbesondere für turbogeladene Verbrennungsmotoren

Title (fr)

Dispositif formant silencieux, notamment pour un moteur turbo

Publication

**EP 1209348 B1 20060614 (FR)**

Application

**EP 01402977 A 20011121**

Priority

FR 0015100 A 20001123

Abstract (en)

[origin: FR2816991A1] The silencer, designed to be mounted between an air or fluid intake pipe (1) and an outlet pipe (2), consists of a main hollow cylindrical housing (3) with intake and outlet couplings (4, 4') of smaller cross-section than the housing, and an inner partition which forms at least two toroid chambers (9, 10) inside the housing. The component (8) forming the partition has a transverse wall (12) between inner (11) and outer (13) cylindrical sections, the first in line with the intake and outlet pipes, and the second acting as a reinforcement for the housing's cylindrical wall. A variant of the design can have a second partition forming a third toroid chamber.

IPC 8 full level

**F01N 1/02** (2006.01); **F02M 35/12** (2006.01); **F01D 25/00** (2006.01); **F01D 25/30** (2006.01); **F02C 7/24** (2006.01)

CPC (source: EP KR US)

**F02M 35/12** (2013.01 - KR); **F02M 35/1261** (2013.01 - EP US); **F02M 35/1283** (2013.01 - EP US)

Cited by

FR2983919A1; WO2011161042A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 1209348 A1 20020529**; **EP 1209348 B1 20060614**; DE 60120611 D1 20060727; DE 60120611 T2 20070606; FR 2816991 A1 20020524; FR 2816991 B1 20030117; JP 2002195006 A 20020710; JP 4137433 B2 20080820; KR 20020040617 A 20020530; US 2002070075 A1 20020613; US 6681888 B2 20040127

DOCDB simple family (application)

**EP 01402977 A 20011121**; DE 60120611 T 20011121; FR 0015100 A 20001123; JP 2001355508 A 20011121; KR 20010073192 A 20011123; US 99040001 A 20011121