

Title (en)
Silencer for an exhaust system

Title (de)
Schalldämpfer für eine Abgasanlage

Title (fr)
Silencieux pour un système d'échappement

Publication
EP 1959106 B2 20160106 (DE)

Application
EP 08150938 A 20080201

Priority
DE 102007007600 A 20070213

Abstract (en)
[origin: EP1959106A1] The silencer (1) has an exhaust pipe arrangement (5) conducted through a housing (2), and an expansion chamber (3) formed in the housing. A resonator chamber (4) of a Helmholtz resonator (9) is formed in the housing. The exhaust pipe arrangement is conducted through the expansion chamber in an uninterruptible manner and exhibits a perforation (12) within the expansion chamber, where a connecting pipe (6) of the expansion chamber connects with the resonator chamber in a communicating manner. The connecting pipe is conducted through an absorption chamber (7).

IPC 8 full level
F01N 1/02 (2006.01); **F01N 1/08** (2006.01); **F01N 13/02** (2010.01); **F01N 13/04** (2010.01)

CPC (source: EP)
F01N 1/006 (2013.01); **F01N 1/02** (2013.01); **F01N 1/023** (2013.01); **F01N 1/08** (2013.01); **F01N 2210/04** (2013.01); **F01N 2490/00** (2013.01)

Citation (opposition)
Opponent :

- DE 3807948 A1 19890928 - EBERSPAECHER J [DE]
- US 2003005688 A1 20030109 - BASSANI DARRYL C [US]
- DE 29607010 U1 19970814 - GILLET HEINRICH GMBH [DE]

Cited by
RU2504667C1; CN102966411A; CN107882712A; EP2131015A1; US7874401B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

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