

Title (en)
Silencer

Title (de)
Schalldämpfer

Title (fr)
Silencieux

Publication
EP 1577514 A3 20060531 (DE)

Application
EP 05002796 A 20050210

Priority
DE 102004013186 A 20040317

Abstract (en)
[origin: EP1577514A2] The silencer (10), especially for exhaust gases of an internal combustion engine, has at least one hollow chamber structure (20) installed inside the silencer casing (14). The casing has at least one inwards projecting protrusion (24) by which the hollow chamber structure is fixed inside the casing. The protrusion is formed by a plastically deformed section of the casing and is in the form of a crease. The silencer may have several protrusions which are spaced apart in the circumferential direction and/or axially.

IPC 8 full level
F01N 1/24 (2006.01); **F01N 1/08** (2006.01); **F01N 1/10** (2006.01); **F01N 1/22** (2006.01)

CPC (source: EP)
F01N 1/082 (2013.01); **F01N 1/24** (2013.01); **F01N 2330/00** (2013.01)

Citation (search report)

- [X] US 5266753 A 19931130 - MUSCHELKNAUTZ CLAUDIUS [DE], et al
- [A] US 2002088667 A1 20020711 - NAITO TAKAHIKO [JP]
- [DA] DE 3729219 A1 19880310 - VOLKSWAGEN AG [DE]
- [DA] DE 19949271 A1 20010419 - ZEUNA STAERKER KG [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 465 (M - 1665) 30 August 1994 (1994-08-30)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1577514 A2 20050921; EP 1577514 A3 20060531; DE 102004013186 A1 20051006

DOCDB simple family (application)
EP 05002796 A 20050210; DE 102004013186 A 20040317