

Title (en)

Sound insulating device especially for a heating apparatus

Title (de)

Schalldämpfungseinrichtung, insbesondere für ein Heizgerät

Title (fr)

Dispositif silencieux en particulier pour un appareil de chauffage

Publication

**EP 1624163 A1 20060208 (DE)**

Application

**EP 05106889 A 20050727**

Priority

DE 102004038188 A 20040806

Abstract (en)

The noise attenuator has a resonator (20) with a resonator chamber (24) which is connected via openings (22) to a flow channel (10). The resonator chamber is completely filled with a porous material. The porous material may be compressed within the resonator chamber.

IPC 8 full level

**F01N 1/04** (2006.01); **F01N 1/24** (2006.01); **F23M 13/00** (2006.01); **F23M 20/00** (2014.01); **F23M 99/00** (2010.01)

CPC (source: EP)

**F23M 20/005** (2015.01); **F01N 1/04** (2013.01); **F23J 2900/13003** (2013.01)

Citation (search report)

- [X] FR 2794275 A1 20001201 - MAN B & W DIESEL AG [DE]
- [X] EP 0959302 A2 19991124 - REITZ EBERHARD [DE]
- [X] WO 9111593 A1 19910808 - BROWN WALTER E [US]
- [X] DE 4226890 A1 19940120 - GROSSCHWEISWERK UND DAMPFKESSE [DE]
- [X] US 3033307 A 19620508 - SANDERS GUY J, et al
- [X] FR 1441401 A 19660610 - EBERSPAECHER J
- [X] FR 2790788 A1 20000915 - PENEL RECH ET DEV [FR]
- [X] DE 10065655 A1 20020711 - CT THERM ABGASSYSTEMTECHNIK GM [DE]
- [PX] US 2005115229 A1 20050602 - WORNER SIEGFRIED [DE], et al
- [A] DE 10202702 A1 20020919 - IFTA INGENIEURBUERO FUER THERM [DE]

Cited by

EP1918642A3; CN104595251A

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

**EP 1624163 A1 20060208**; DE 102004038188 A1 20060316

DOCDB simple family (application)

**EP 05106889 A 20050727**; DE 102004038188 A 20040806