

Title (en)

Apparatus to reduce acoustic vibrations in a combustion chamber

Title (de)

Vorrichtung zur Dämpfung akustischer Schwingungen in einer Brennkammer

Title (fr)

Dispositif pour la réduction des vibrations accoustiques dans une chambre de combustion

Publication

**EP 1158247 A3 20020102 (DE)**

Application

**EP 01110618 A 20010430**

Priority

DE 10026121 A 20000526

Abstract (en)

[origin: EP1158247A2] The acoustic oscillation damping device has a Helmholtz resonator (4) having a resonance volume (3), a coupling channel (2), connecting the combustion chamber (1) to the resonance volume and a hollow body (6) with a volume which is varied by supplying or venting a fluid, used for varying the volume of the resonance volume. An Independent claim for a combustion chamber device provided with an acoustic oscillation damping device is also included.

IPC 1-7

**F23R 3/16**; **F23M 13/00**; **F01N 1/02**

IPC 8 full level

**F01D 25/00** (2006.01); **F01N 1/02** (2006.01); **F02C 7/24** (2006.01); **F23M 20/00** (2014.01)

CPC (source: EP US)

**F01N 1/02** (2013.01 - EP US); **F01N 1/023** (2013.01 - EP US); **F23M 20/005** (2015.01 - EP US); **F01N 2490/12** (2013.01 - EP US); **F23D 2210/00** (2013.01 - EP US); **F23R 2900/00014** (2013.01 - EP US)

Citation (search report)

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- [Y] US 5103931 A 19920414 - OKAZAKI MASAKI [JP], et al
- [A] EP 0649982 A1 19950426 - KNECHT FILTERWERKE GMBH [DE]
- [A] DE 4414232 A1 19951026 - ABB MANAGEMENT AG [CH]
- [E] GB 2357141 A 20010613 - DRAFTEX IND LTD [GB]
- [A] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 05 31 May 1999 (1999-05-31)
- [A] PATENT ABSTRACTS OF JAPAN vol. 010, no. 323 (M - 531) 5 November 1986 (1986-11-05)

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Designated contracting state (EPC)

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DOCDB simple family (application)

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