

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 B1 20060419 (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 8 full level

**F01D 25/00** (2006.01); **F23R 3/16** (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)

Cited by

CN108757101A; EP1990579A1; ITMI20110902A1; EP1962018A1; EP1342953A1; CN1320314C; EP3153777A1; EP2400142A1; EP2837782A1; EP2837783A1; CN105202576A; US10100688B2; WO2008138828A1; US7331182B2; EP2848865A1; US7246493B2; DE202011004521U1; US8322486B2; US9970659B2; WO03074936A1; WO2016071112A1; EP2397761A1; US8727070B2; EP2397760A1; US8931589B2

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DE GB

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