

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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