

Title (en)

Device for damping thermoacoustic oscillations in a combustion chamber with a variable resonator frequency

Title (de)

Vorrichtung zur Dämpfung von thermoakustischen Schwingungen in Brennkammern mit einstellbarer Resonatorfrequenz

Title (fr)

Appareil pour absorber les oscillations thermo-acoustiques dans une chambre de combustion, présentant une fréquence de résonance variable

Publication

**EP 1596130 B1 20141231 (DE)**

Application

**EP 04011552 A 20040514**

Priority

EP 04011552 A 20040514

Abstract (en)

[origin: EP1596130A1] The damper includes at least one resonator (3). At least part of a wall (6) of the resonator can change position to set the resonator volume. The resonator is a Helmholtz resonator. The movable part of the wall is preferably provided with a thread. An independent claim is included for a gas turbine.

IPC 8 full level

**F23R 3/00** (2006.01); **F23M 20/00** (2014.01)

CPC (source: EP)

**F23M 20/005** (2015.01); **F23R 2900/00014** (2013.01)

Cited by

DE102005062284B4; CN104204677A; EP3767177A1; EP2860449A1; JP2015075116A; CN104566455A; CN107002999A; EP3410014A1; CN108980894A; US9334804B2; WO2016044135A1; EP3767177B1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 1596130 A1 20051116; EP 1596130 B1 20141231**

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