

Title (en)

Method for suppressing respectively controlling thermoacoustic vibrations in a combustion chamber as well as combustion chamber for carrying out the method

Title (de)

Verfahren zur Unterdrückung bzw. Kontrolle von thermoakustischen Schwingungen in einem Verbrennungssystem sowie Verbrennungssystem zur Durchführung des Verfahrens

Title (fr)

Procédé de suppression respectivement de contrôle de vibrations thermoacoustiques dans une chambre de combustion ainsi que chambre de combustion pour la mise en oeuvre du procédé

Publication

EP 1050713 B1 20030813 (DE)

Application

EP 00810369 A 20000501

Priority

DE 19928226 A 19990507

Abstract (en)

[origin: EP1050713A1] The method involves detecting the oscillations in a closed control loop (24') and generating acoustic oscillations of a definite amplitude and phase depending on the detected oscillations for coupling into the combustion system. The amplitude of the generated acoustic oscillations is selected within the control loop in proportion to the amplitude of the detected oscillations. An Independent claim is also included for a combustion system for implementing the method.

IPC 1-7

F23M 13/00

IPC 8 full level

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CPC (source: EP US)

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Cited by

DE102008022117B4; CN108870439A; EP1348908A3; DE102008022117A1; US7484352B2; EP1348908A2; WO2005093327A1; WO2009007138A1; EP1217295A2; US6773257B2

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DE GB

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