Title (en)

Process for active suppression of fluidic instabilities in a combustion system and combustion system for carrying out the process

Title (de)

Verfahren zur aktiven Unterdrückung von strömungsmechanischen Instabilitäten in einem Verbrennungssystem sowie Verbrennungssystem zur Durchführung des Verfahrens

Title (fr)

Procédé pour la suppression active d'instabilités fluidiques dans un système de combustion et système de combustion pour la mise en oeuvre du procédé

Publication

EP 1070917 B1 20030917 (DE)

Application

EP 00810632 A 20000718

Priority

DE 19934612 A 19990723

Abstract (en)

[origin: EP1070917A1] The active suppression process takes place in a combustion system (10) in which liquid or gas fuel is mixed with combustion air and the mixture is then burned. The mass flow of the supplied fuel is modulated by the measurements of a selected time function. This modulation is achieved by fluidic means (11).

IPC 1-7

F23D 14/48; F15C 1/22; F23D 14/02; F23D 17/00; F23D 14/62; F23C 7/00

IPC 8 full level

F23C 99/00 (2006.01); **B05B 7/04** (2006.01); **F15C 1/22** (2006.01); **F23C 7/00** (2006.01); **F23D 14/02** (2006.01); **F23D 14/48** (2006.01); **F23D 14/62** (2006.01); **F23D 17/00** (2006.01); **F23D 99/00** (2010.01); **F23K 5/00** (2006.01); **F23K 5/02** (2006.01)

CPC (source: EP US)

F15C 1/22 (2013.01 - EP US); **F23C 7/004** (2013.01 - EP US); **F23D 14/02** (2013.01 - EP US); **F23D 14/48** (2013.01 - EP US); **F23D 14/62** (2013.01 - EP US); F23R 2900/00013 (2013.01 - EP US)

Citation (examination)

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Cited by

EP1331447A1; GB2385095A; GB2385095B; US6895758B2; EP3062019A1; US11313559B2

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