

Title (en)

Method and device for suppressing whirls in a combustion chamber of a turbo-engine

Title (de)

Verfahren und Vorrichtung zur Unterdrückung von Strömungswirbeln innerhalb einer Brennkammer einer Strömungskraftmaschine

Title (fr)

Procédé et dispositif pour supprimer les tourbillons dans une chambre à combustion d'une turbomachine

Publication

EP 1114967 B1 20051116 (DE)

Application

EP 01810007 A 20010104

Priority

DE 10000415 A 20000107

Abstract (en)

[origin: EP1114967A1] The method involves mixing a flowing medium with the hot gases immediately at the position of the burner outlet. The hot gases are produced by a burner with two or more hollow interleaved sub-bodies with mutually offset central axes with adjacent walls forming tangential air inlet channels for the inlet of combustion air to an inner volume and at least one fuel nozzle. Independent claims are also included for the following: an arrangement for suppressing flow turbulence in flow power generators.

IPC 1-7

F23M 13/00

IPC 8 full level

F23R 3/04 (2006.01); **F23C 99/00** (2006.01); **F23M 20/00** (2014.01); **F23N 5/24** (2006.01); **F23R 3/26** (2006.01); **F23R 3/28** (2006.01)

CPC (source: EP US)

F23M 20/005 (2015.01 - EP US); **F23D 2210/00** (2013.01 - EP US); **F23R 2900/00014** (2013.01 - EP US)

Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

EP 1114967 A1 20010711; **EP 1114967 B1 20051116**; DE 10000415 A1 20010906; DE 50108042 D1 20051222; JP 2001248833 A 20010914; JP 4898004 B2 20120314; US 6698209 B1 20040302

DOCDB simple family (application)

EP 01810007 A 20010104; DE 10000415 A 20000107; DE 50108042 T 20010104; JP 2001001655 A 20010109; US 75418601 A 20010105