

Title (en)

COMBUSTION CHAMBER FOR A GAS TURBINE AND ASSOCIATED OPERATING METHOD

Title (de)

BRENNKAMMER FÜR EINE GASTURBINE UND ZUGEHÖRIGES BETRIEBSVERFAHREN

Title (fr)

CHAMBRE DE COMBUSTION POUR TURBINE A GAZ ET PROCEDE DE FONCTIONNEMENT CORRESPONDANT

Publication

**EP 1730449 B1 20171101 (DE)**

Application

**EP 05743002 A 20050317**

Priority

- EP 2005051229 W 20050317
- DE 102004015187 A 20040329

Abstract (en)

[origin: WO2005093327A1] The invention relates to a combustion chamber (1) for a gas turbine, comprising a burner system (2) and a fuel supply system (3). The burner system (2) comprises at least two burner groups (A, B), each having at least one burner (5). The fuel-supply system (3) comprises a primary line (7) that is connected to a fuel source (8), in addition to a secondary line (9) for each burner group (A, B). Each secondary line (9) is connected to each burner (5) of the associated burner group (A, B) and to the primary line (7) via a controllable distribution valve (10). A sensor system (11) detects pressure pulsation values and/or emission values for each burner group (A, B). A controller (12) controls the distribution valves (10) in accordance with the pulsation values and/or emission values, in such a way that the pulsation values and/or emission values for each burner group (A, B) are maintained at and/or fall below predetermined threshold values.

IPC 8 full level

**F23R 3/34** (2006.01); **F02C 7/228** (2006.01)

CPC (source: EP US)

**F23R 3/34** (2013.01 - EP US); **F23N 2237/02** (2020.01 - EP US); **F23R 2900/00013** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2005093327 A1 20051006**; DE 102004015187 A1 20051020; EP 1730449 A1 20061213; EP 1730449 B1 20171101; US 2007163267 A1 20070719; US 7484352 B2 20090203

DOCDB simple family (application)

**EP 2005051229 W 20050317**; DE 102004015187 A 20040329; EP 05743002 A 20050317; US 53379606 A 20060921