

Title (en)
COMBUSTION CHAMBER FOR A GAS TURBINE

Title (de)
BRENNKAMMER FÜR GASTURBINE

Title (fr)
CHAMBRE DE COMBUSTION POUR UNE TURBINE A GAZ

Publication
EP 1745245 A1 20070124 (DE)

Application
EP 05736060 A 20050422

Priority
• EP 2005051807 W 20050422
• CH 7982004 A 20040505

Abstract (en)
[origin: US7752846B2] A combustion chamber for an industrial gas turbine has thermal protective elements which are installed along the inner circumference of its casing. The thermal protective elements are cooled by cooling air which is added to the fuel in the region in front of a front casing section after the cooling. A brush seal is installed between the front casing section and the thermal protective elements, where the brush seal is configured in segments. The combustion chamber can be sealed against leakages of cooling air in all operating states of the combustion chamber.

IPC 8 full level
F23R 3/00 (2006.01); **F16J 15/32** (2006.01)

CPC (source: EP US)
F23R 3/002 (2013.01 - EP US); **F23R 2900/00012** (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 2005108869 A1 20051117; AT E374908 T1 20071015; CN 100510539 C 20090708; CN 1981159 A 20070613;
DE 502005001634 D1 20071115; EP 1745245 A1 20070124; EP 1745245 B1 20071003; ES 2296165 T3 20080416;
US 2008230997 A1 20080925; US 7752846 B2 20100713

DOCDB simple family (application)
EP 2005051807 W 20050422; AT 05736060 T 20050422; CN 200580022630 A 20050422; DE 502005001634 T 20050422;
EP 05736060 A 20050422; ES 05736060 T 20050422; US 59227706 A 20061103