

Title (en)  
GAS TURBINE COMBUSTOR

Title (de)  
GASTURBINENBRENNKAMMER

Title (fr)  
CHAMBRE DE COMBUSTION DE TURBINE À GAZ

Publication  
**EP 2530383 A1 20121205 (EN)**

Application  
**EP 10844548 A 20101129**

Priority  
• JP 2010016521 A 20100128  
• JP 2010006931 W 20101129

Abstract (en)  
A gas turbine combustor 1 of the present invention comprises a fuel injector 13 for injecting a fuel F toward a combustion chamber 11; a swirler 14 which takes-in compressed air CA generated in a compressor and swirl the compressed air CA, in the vicinity of the fuel injector 13; a tubular guide member 34 for guiding the compressed air CA taken-in from the swirler 14, to the combustion chamber 11; and a heat shield 23 having a cylindrical portion 23b located outward relative to the guide member 34; wherein the cylindrical portion 23b has a purge hole 40; and air is introduced through the purge hole 40 and is supplied to a space 39 formed between the guide member 34 and the cylindrical portion 23b.

IPC 8 full level  
**F23R 3/18** (2006.01); **F23R 3/14** (2006.01); **F23R 3/28** (2006.01)

CPC (source: EP)  
**F23R 3/14** (2013.01); **F23R 3/28** (2013.01); **F23R 3/50** (2013.01)

Cited by  
EP3109557A3; EP3495737A3; US10578021B2; US10041679B2; US10830440B2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2011092779 A1 20110804**; EP 2530383 A1 20121205; EP 2530383 A4 20150304; EP 2530383 B1 20190918

DOCDB simple family (application)  
**JP 2010006931 W 20101129**; EP 10844548 A 20101129