

Title (en)
GAS TURBINE COMBUSTOR

Title (de)
GASTURBINENBRENNKAMMER

Title (fr)
CHAMBRE DE COMBUSTION DE TURBINE À GAZ

Publication
EP 2530383 A4 20150304 (EN)

Application
EP 10844548 A 20101129

Priority
• JP 2010016521 A 20100128
• JP 2010006931 W 20101129

Abstract (en)
[origin: WO2011092779A1] Disclosed is a gas turbine combustor (1) equipped with a fuel injection valve (13) that injects fuel (F) towards a combustion chamber (11), a swirler (14) that, in the vicinity of the fuel injection valve (13), takes in and circulates compressed air (CA) that was generated by a compressor, a cylindrical guide body (34) that guides the compressed air (CA) taken in from the swirler (14) to the combustion chamber (11), and a heat shield (23) having a cylinder section (23b) that is positioned farther on the periphery than the guide body (34). A purge hole (40) is formed in the cylinder section (23b). Air is introduced from the purge hole (40), and said air is supplied to a space (39) formed between the guide body (34) and the cylinder section (23b).

IPC 8 full level
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CPC (source: EP)
F23R 3/14 (2013.01); **F23R 3/28** (2013.01); **F23R 3/50** (2013.01)

Citation (search report)
• [X1] EP 0521687 A1 19930107 - GEN ELECTRIC [US]
• [X1] US 4584834 A 19860429 - KOSHOFFER JOHN M [US], et al
• [A] US 2004065090 A1 20040408 - AL-ROUB MARWAN [US], et al
• [A] US 5894732 A 19990420 - KWAN WILLIAM [DE]
• See references of WO 2011092779A1

Cited by
EP3109557A3; EP3495737A3; US10578021B2; US10041679B2; US10830440B2

Designated contracting state (EPC)
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