

Title (en)  
COMBUSTOR FOR A GAS TURBINE

Title (de)  
BRENNKAMMER FÜR EINE GASTURBINE

Title (fr)  
CHAMBRE DE COMBUSTION POUR TURBINE À GAZ

Publication  
**EP 3159609 A1 20170426 (EN)**

Application  
**EP 15190773 A 20151021**

Priority  
EP 15190773 A 20151021

Abstract (en)  
The present invention relates to a combustor (100) for a gas turbine. The combustor (100) comprises a pre-combustion chamber (101), a swirler (103), a burner plenum (26), wherein the swirler (103) and the burner plenum (26) surround the pre-combustion chamber (101) in a circumferential direction with respect to the centre axis (Y) of the combustor (100), the swirler (103) comprising a plurality of slots (201) through which an oxidant/fuel mixture is injectable into the pre-combustion chamber (101), the each slot (201) comprising at least a fuel injector (107) through which the mixture is injectable into the slot (201), the peripheral wall (115) of the pre-combustion chamber (101) comprising a plurality of mixing holes (120) downstream of the swirler (103) for letting a portion of the oxidant gas in burner plenum (26) to flow from the burner plenum (26) to the pre-combustion chamber (101).

IPC 8 full level  
**F23R 3/10** (2006.01); **F23R 3/06** (2006.01); **F23R 3/14** (2006.01); **F23R 3/28** (2006.01); **F23R 3/46** (2006.01)

CPC (source: EP US)  
**F23R 3/06** (2013.01 - EP US); **F23R 3/14** (2013.01 - EP US); **F23R 3/283** (2013.01 - EP US); **F23R 3/46** (2013.01 - EP US)

Citation (applicant)  
WO 2013120558 A1 20130822 - SIEMENS AG [DE]

Citation (search report)  
• [XYI] EP 2405200 A1 20120111 - SIEMENS AG [DE]  
• [IA] EP 1975506 A1 20081001 - SIEMENS AG [DE]  
• [I] WO 2007060216 A1 20070531 - SIEMENS AG [DE], et al  
• [YDA] WO 2013120558 A1 20130822 - SIEMENS AG [DE]

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CN111288490A

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3159609 A1 20170426**; EP 3365604 A1 20180829; US 2018299129 A1 20181018; WO 2017067775 A1 20170427

DOCDB simple family (application)  
**EP 15190773 A 20151021**; EP 16775712 A 20161004; EP 2016073597 W 20161004; US 201615766054 A 20161004