

Title (en)  
COMBUSTOR FOR A GAS TURBINE

Title (de)  
BRENNKAMMER FÜR EINE GASTURBINE

Title (fr)  
CHAMBRE DE COMBUSTION POUR TURBINE À GAZ

Publication  
**EP 3184898 A1 20170628 (EN)**

Application  
**EP 15202500 A 20151223**

Priority  
EP 15202500 A 20151223

Abstract (en)  
The present invention relates to a combustor (100) for a gas turbine comprising: a pre-combustion chamber (101), a swirler (103), a pilot burner (110) upstream the pre-combustion chamber (101) which comprises a pilot burner surface (111) separating the pilot burner (110) from the pre-combustion chamber (101), the pilot burner (110) further comprising at least a pilot fuel injector (112), wherein the combustor (100) includes a lip (150) extending from the pilot burner surface (111) in the pre-combustion chamber (101), the lip including an internal surface (151) oriented towards the pilot fuel injector (112), the internal surface (151) being inclined of an inclination angle (,) comprised between 0 degrees and 90 degrees with respect to the centre axis (35) of the pre-combustion chamber (101), and the lip (150) comprises at least a feed passage (155) for connecting the internal surface (151) with the flow (F) of oxidant gas coming from the swirler (103).

IPC 8 full level  
**F23R 3/14** (2006.01); **F23R 3/28** (2006.01); **F23R 3/34** (2006.01)

CPC (source: EP US)  
**F23R 3/14** (2013.01 - EP US); **F23R 3/286** (2013.01 - EP US); **F23R 3/343** (2013.01 - EP US)

Citation (search report)  
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• [A] EP 1835231 A1 20070919 - SIEMENS AG [DE]  
• [A] US 6311496 B1 20011106 - ALKABIE HISHAM SALMAN [GB]  
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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 3184898 A1 20170628**; CN 108431503 A 20180821; EP 3394514 A1 20181031; US 2018363904 A1 20181220;  
WO 2017108454 A1 20170629

DOCDB simple family (application)  
**EP 15202500 A 20151223**; CN 201680075991 A 20161209; EP 16812715 A 20161209; EP 2016080488 W 20161209;  
US 201615781713 A 20161209