

Title (en)  
Combustor for gas turbine

Title (de)  
Gasturbinenbrennkammer

Title (fr)  
Chambre de combustion pour turbine à gaz

Publication  
**EP 1777459 A3 20091007 (EN)**

Application  
**EP 06255437 A 20061023**

Priority  
JP 2005308380 A 20051024

Abstract (en)  
[origin: EP1777459A2] A combustor for a gas turbine engine of a lean premixed combustion type, includes: a fuel jetting device configured to jet a premixed fuel into a combustion chamber so that the premixed fuel burns in a premixed combustion zone which is formed in the combustion chamber; and an additive fuel supply unit disposed downstream of the premixed combustion zone so as to additionally supply fuel into the combustion chamber. The additive fuel supply unit includes first and second additive fuel supply devices disposed in a two-stage arrangement such that the second additive fuel supply device is positioned downstream of the first additive fuel supply device.

IPC 8 full level  
**F23R 3/34** (2006.01); **F23R 3/06** (2006.01); **F23R 3/14** (2006.01)

CPC (source: EP US)  
**F23R 3/06** (2013.01 - EP US); **F23R 3/14** (2013.01 - EP US); **F23R 3/346** (2013.01 - EP US)

Citation (search report)

- [X] US 5645410 A 19970708 - BROSTMAYER JOSEPH [US]
- [X] EP 1055879 A1 20001129 - ROLLS ROYCE PLC [GB]
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- [XI] EP 0964206 A1 19991215 - INST FRANCAIS DU PETROLE [FR], et al
- [XI] EP 1067337 A1 20010110 - ROLLS ROYCE PLC [GB]

Cited by  
GB2446164A; US7886539B2; WO2013043076A1; WO2009038625A3; US9388987B2; DE112011105655B4; EP2914907B1

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 LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**EP 1777459 A2 20070425; EP 1777459 A3 20091007**; JP 2007113888 A 20070510; US 2007089419 A1 20070426

DOCDB simple family (application)  
**EP 06255437 A 20061023**; JP 2005308380 A 20051024; US 58229506 A 20061018