

Title (en)

Annular combustion chamber for a gas turbine engine

Title (de)

Ringförmige Brennkammer eines Gasturbinenmotors

Title (fr)

Chambre de combustion annulaire de moteur à turbine à gaz

Publication

EP 2040001 A3 20100217 (FR)

Application

EP 08164751 A 20080919

Priority

FR 0706644 A 20070921

Abstract (en)

[origin: EP2040001A2] The chamber has an external wall and internal wall connected by a truncated conical shaped bottom wall (16) forming a bottom of the chamber. The wall is pierced with orifices (16s) for a fuel injection system. Deflectors are centered on each of the orifices and include a flat shoulder by which the deflectors are supported against a portion of a flat surface along a circumference of the orifices. The wall is constituted of flat surfaces (16f) surrounding each of the orifices. The shoulder is supported against a flat surface of the facets.

IPC 8 full level

F23R 3/50 (2006.01); **F23R 3/00** (2006.01)

CPC (source: EP US)

F23R 3/002 (2013.01 - EP US); **F23R 3/50** (2013.01 - EP US); **F23R 2900/00012** (2013.01 - EP US)

Citation (search report)

- [Y] EP 1818615 A1 20070815 - SNECMA [FR]
- [Y] EP 1731839 A2 20061213 - SNECMA [FR]
- [A] EP 1826492 A1 20070829 - SNECMA [FR]
- [A] FR 2673454 A1 19920904 - SNECMA [FR]

Cited by

EP2463583A1; CH704185A1; AU2011253595B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2040001 A2 20090325; **EP 2040001 A3 20100217**; **EP 2040001 B1 20180418**; CA 2639588 A1 20090321; CA 2639588 C 20160329; FR 2921462 A1 20090327; FR 2921462 B1 20120824; RU 2008137660 A 20100327; RU 2485405 C2 20130620; US 2009077976 A1 20090326; US 8156744 B2 20120417

DOCDB simple family (application)

EP 08164751 A 20080919; CA 2639588 A 20080918; FR 0706644 A 20070921; RU 2008137660 A 20080919; US 23394308 A 20080919