

Title (en)

TURBINE ENGINE COMBUSTION CHAMBER COMPRISING IMPROVED PRIMARY AIR SUPPLY MEANS

Title (de)

TURBOMOTORBRENNKAMMER MIT EINER VERBESSERTEN PRIMÄRLUFT-ZUFUHRANRICHTUNG

Title (fr)

CHAMBRE DE COMBUSTION DE TURBOMACHINE COMPRENANT DES MOYENS AMELIORES D'ALIMENTATION EN AIR PRIMAIRE

Publication

EP 2409085 A1 20120125 (FR)

Application

EP 10708769 A 20100315

Priority

- EP 2010053249 W 20100315
- FR 0951673 A 20090317

Abstract (en)

[origin: WO2010105999A1] The invention relates to an annular combustion chamber (10) for a turbine engine, comprising a chamber bottom (22), a plurality of air and fuel injection systems peripherally distributed about an axis (34) of the combustion chamber and mounted on the bottom of the chamber (22), and an air collector (100) which is associated with each injection system, said air collector comprising at least one wall (96, 98) mounted on the bottom of the chamber (22) and projecting upwardly in order to obstruct a peripheral air flow about the axis (34) of the combustion chamber. Said chamber also comprises an air inlet (88) formed at the upstream end of the air collector (100) and radially open towards the outside in relation to an axis (44) of the injection system.

IPC 8 full level

F23R 3/10 (2006.01)

CPC (source: EP US)

F23R 3/10 (2013.01 - EP US)

Citation (search report)

See references of WO 2010105999A1

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 MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

WO 2010105999 A1 20100923; BR PI1008982 A2 20160322; BR PI1008982 B1 20210126; CA 2754419 A1 20100923; CA 2754419 C 20170404; CN 102362120 A 20120222; CN 102362120 B 20140716; EP 2409085 A1 20120125; EP 2409085 B1 20150225; FR 2943403 A1 20100924; FR 2943403 B1 20141114; RU 2011141837 A 20130427; RU 2527932 C2 20140910; US 2012055164 A1 20120308; US 9127841 B2 20150908

DOCDB simple family (application)

EP 2010053249 W 20100315; BR PI1008982 A 20100315; CA 2754419 A 20100315; CN 201080012736 A 20100315; EP 10708769 A 20100315; FR 0951673 A 20090317; RU 2011141837 A 20100315; US 201013255772 A 20100315