

Title (en)  
BENT COMBUSTION CHAMBER OF A TURBINE ENGINE

Title (de)  
GEBOGENE BRENNKAMMER EINES TURBINENMOTORS

Title (fr)  
CHAMBRE DE COMBUSTION COUDÉE D'UNE TURBOMACHINE

Publication  
**EP 3320269 B1 20190313 (FR)**

Application  
**EP 16748329 A 20160707**

Priority  
• FR 1556482 A 20150708  
• FR 2016051735 W 20160707

Abstract (en)  
[origin: WO2017006063A1] The invention relates to a turbine engine combustion chamber including: an outer annular housing; a flame tube (20) connected to the outer housing, said flame tube (20) including an inner annular wall (20b) and an outer annular wall (20a) that define a first radial inlet portion of the flame tube and a second axial outlet portion of the flame tube, the flame tube also including a chamber base (30) located at the inlet of the flame tube (20); and a fuel injection system (40') configured to inject fuel into the flame tube via the inlet of the flame tube. The injection system includes an injector axis (AA'), parallel to the first portion, and an air manifold (40'd) configured to move air towards twists in the injection system (40'). The twists are arranged around an implantation axis parallel to the injector axis. The air manifold includes a circular portion around the injector axis. The circular portion, from which extends an opening, forms an air inlet of the manifold. The opening is configured to place the entering air flow in rotation about the implantation axis so that said air flow is supplied to the twists.

IPC 8 full level  
**F23R 3/42** (2006.01); **F23R 3/14** (2006.01)

CPC (source: EP US)  
**F23R 3/14** (2013.01 - EP US); **F23R 3/425** (2013.01 - EP US); **F23R 2900/03342** (2013.01 - EP US)

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

DOCDB simple family (publication)  
**WO 2017006063 A1 20170112**; CN 107735619 A 20180223; CN 107735619 B 20190705; EP 3320269 A1 20180516; EP 3320269 B1 20190313; FR 3038699 A1 20170113; FR 3038699 B1 20220624; PL 3320269 T3 20190731; US 11125435 B2 20210921; US 2018209649 A1 20180726

DOCDB simple family (application)  
**FR 2016051735 W 20160707**; CN 201680040094 A 20160707; EP 16748329 A 20160707; FR 1556482 A 20150708; PL 16748329 T 20160707; US 201615742447 A 20160707