

Title (en)
BENT COMBUSTION CHAMBER OF A TURBINE ENGINE

Title (de)
GEBOGENE BRENNKAMMER EINES TURBINENMOTORS

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

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Application
EP 16748329 A 20160707

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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.

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