Title (en)

Arrangement for a combustion chamber of a turbine engine

Title (de)

Anordnung für eine Brennkammer einer Turbine

Title (fr)

Agencement pour une chambre de combustion de turboréacteur

Publication

EP 1826492 A1 20070829 (FR)

Application

EP 07102863 A 20070222

Priority

FR 0601695 A 20060227

Abstract (en)

The arrangement has an injection system associated with a circular passage hole (62) in a chamber base (16) of a combustion chamber and mounted so that the system slides diametrically with respect to the hole. A deflector has a fitting ring (64) bearing tenons (66) spaced circumferentially and projecting radially. A sleeve (48) is coaxial to the ring and bears other tenons (72) spaced circumferentially and projecting radially. The system is slidably mounted in the sleeve, and a tab is introduced in a notch (60) to prevent a rotation of the system with respect to the sleeve. Independent claims are also included for the following: (1) a sleeve forming part of a combustion chamber arrangement (2) an injection system forming part of a combustion chamber arrangement (3) a deflector forming part of a combustion chamber arrangement.

Abstract (fr)

La chambre de combustion comporte un fond de chambre (16) percé d'au moins un trou de passage (62). Un système d'injection eSt monté coulissant diamétralement par rapport au trou de passage (62). Un déflecteur (50) est monté sur le fond de chambre. Le déflecteur comporte un anneau d'emboîtement (64) portant de premiers tenons (66). Un fourreau (48) coaxial à l'anneau d'emboîtement (64) porte de seconds tenons (72). Les premiers et les seconds tenons permettent le passage des premiers tenons entre les seconds tenons puis l'engagement des premiers tenons derrière les seconds tenons. Le système d'injection est monté coulissant dans le fourreau (48). Des moyens anti rotatifs sont prévus pour empêcher une rotation du système d'injection par rapport au fourreau.

IPC 8 full level

F23R 3/28 (2006.01); **F23R 3/60** (2006.01)

CPC (source: EP US)

F23R 3/283 (2013.01 - EP US); **F23R 3/60** (2013.01 - EP US)

Citation (applicant)

- EP 1290378 A1 20030312 - GEN ELECTRIC [US]
- EP 0373984 A1 19900620 - SNECMA [FR]
- US 3742704 A 19730703 - ADELIZZI R, et al

Citation (search report)

- [A] US 3742704 A 19730703 - ADELIZZI R, et al
- [A] EP 0373984 A1 19900620 - SNECMA [FR]
- [A] EP 0476927 A2 19920325 - GEN ELECTRIC [US]

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DOCDB simple family (application)

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