

Title (en)

Method and device for supplying fuel and for cooling the take-off injector in a combustion chamber with two burner heads

Title (de)

Verfahren und Vorrichtung zur Kraftstoffversorgung und zur Kühlung der Abflugdüse in einer Brennkammer mit zwei Brennerköpfen

Title (fr)

Procédé et dispositif pour alimenter en carburant et refroidir l'injecteur de décollage d'une chambre de combustion à deux têtes

Publication

EP 0689006 A1 19951227 (FR)

Application

EP 95401465 A 19950621

Priority

FR 9407623 A 19940622

Abstract (en)

The procedure consists of circulating part of the total fuel need to the two injectors through the take-off injector regardless of the operating mode, and removing the surplus fuel for transmission to the cruising speed injector. The take-off injector has fuel outlet orifices (8) and a first duct (11) designed to direct part of the total fuel feed to a chamber (6) inside the injector, returning it through a central channel (12) when the injector is not in operation. The orifices are closed by a spring-loaded valve (16) with apertures (19) connecting the channel and chamber. <IMAGE>

IPC 1-7

F23D 11/36; **F23D 11/28**

IPC 8 full level

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CPC (source: EP US)

F23D 11/28 (2013.01 - EP US); **F23D 11/36** (2013.01 - EP US)

Citation (applicant)

FR 2441725 A1 19800613 - ROLLS ROYCE [GB]

Citation (search report)

- [A] WO 9408179 A1 19940414 - PARKER HANNIFIN CORP [US]
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- [A] DE 1451416 A1 19690220 - PEABODY LTD
- [AD] FR 2441725 A1 19800613 - ROLLS ROYCE [GB]

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EP 0689006 A1 19951227; **EP 0689006 B1 19981111**; DE 69505894 D1 19981217; DE 69505894 T2 19990512; FR 2721693 A1 19951229; FR 2721693 B1 19960719; JP 2847045 B2 19990113; JP H0828875 A 19960202; US 5568721 A 19961029

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