

Title (en)
Cooling the take-off injector in a combustion chamber with two burner heads

Title (de)
Kühlung der Abflugdüse in einer Brennkammer mit zwei Brennerköpfen

Title (fr)
Refroidissement de l'injecteur de décollage d'une chambre de combustion à deux têtes

Publication
EP 0689007 A1 19951227 (FR)

Application
EP 95401466 A 19950621

Priority
FR 9407624 A 19940622

Abstract (en)
The cooler consists of a second circuit which carries fuel through the take-off injector in all operating modes, comprising an inner duct (16) and a coaxial outer return channel (20), with an additional annular duct (25) between the two. The tip of the injector has inclined channels (21) alternating with its outlet orifices (6b) to return any surplus fuel from the inner duct to the return channel. The injector has, for example, six outlet orifices, with the same number of inclined channels situated between them. <IMAGE>

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F23D 11/36

IPC 8 full level
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F23D 11/36 (2013.01 - EP US)

Citation (search report)

- [A] WO 9408179 A1 19940414 - PARKER HANNIFIN CORP [US]
- [A] FR 2441725 A1 19800613 - ROLLS ROYCE [GB]

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