

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 décolage d'une chambre de combustion à deux têtes

Publication

**EP 0689007 B1 19981111 (FR)**

Application

**EP 95401466 A 19950621**

Priority

FR 9407624 A 19940622

Abstract (en)

[origin: EP0689007A1] 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>

IPC 1-7

**F23D 11/36**

IPC 8 full level

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CPC (source: EP US)

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Cited by

EP2900974A4; US6003781A; EP0841517A3; EP3076083A1; US6357237B1; US9400104B2; WO0022347A1; US9897321B2; US10309651B2; US10385809B2; US11111888B2

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