

Title (en)  
Afterburner flame-holder arm

Title (de)  
Nachbrennerarm einer Nachbrennkammer

Title (fr)  
Bras accroche-flammes d'une chambre de post-combustion

Publication  
**EP 1840469 A1 20071003 (FR)**

Application  
**EP 07290288 A 20070306**

Priority  
FR 0602742 A 20060330

Abstract (en)  
The arm has a ventilation case (24) comprising a centering finger (40) engaged in an orifice (44) of a body. The orifice is formed in a bottom wall (48) of a reinforcement (49) of a base (32) of the arm. A thermal protection shield (28) is fixed on the body and closes an open side of the body. The finger of the case supports an annular part (46) e.g. washer, which is fixed on an end of the finger, by welding or brazing. Shape of the part is such that the part performs an anti-rotation function for the finger and the case in the body around a longitudinal axis.

Abstract (fr)  
Bras accroche-flammes d'une chambre de post-combustion de turbomachine, en particulier de turboréacteur, comprenant un caisson de ventilation (24) qui est centré et immobilisé à l'intérieur du bras (10) par des moyens indépendants de l'écran de protection thermique (28), le caisson comprenant également un rebord transversal (50) comportant un orifice (56) de centrage et de guidage d'une rampe de carburant (26), interdisant toute disposition incorrecte de cette rampe dans le bras (10).

IPC 8 full level  
**F23R 3/20** (2006.01)

CPC (source: EP US)  
**F23R 3/20** (2013.01 - EP US)

Citation (search report)

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- [Y] US 3698186 A 19721017 - BEANE DAVID J, et al
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- [A] US 5396761 A 19950314 - WOLTMANN IVAN E [US], et al

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DOCDB simple family (application)  
**EP 07290288 A 20070306**; CA 2582624 A 20070328; FR 0602742 A 20060330; RU 2007111676 A 20070329; US 69317707 A 20070329