

Title (en)

Fixing of metallic cowls on turbomachine combustion chamber liners made of CMC materials

Title (de)

Befestigung von metallischen Aufsätzen auf CMC-Turbomaschinenbrennkammerwänden

Title (fr)

Fixation de casquettes métalliques sur des parois de chambre de combustion CMC de turbomachine

Publication

EP 1265031 B1 20070912 (FR)

Application

EP 02291360 A 20020604

Priority

FR 0107374 A 20010606

Abstract (en)

[origin: EP1265031A1] The combustion chamber for an aircraft gas turbine engine has inner (28) and outer (26) composite walls and a metal base (30) held in position by the walls. The base fixings extend across annular cavities (42,44) which receive the cylindrical sections of the ends of the walls. This defines a play between the peripheral edges of the base and the returned sections (46,48) and the opposing surfaces of the walls. This allows a radial expansion of the chamber base with respect to the walls.

IPC 8 full level

F23R 3/60 (2006.01); **F02C 7/00** (2006.01); **F02C 7/20** (2006.01); **F23R 3/00** (2006.01); **F23R 3/42** (2006.01)

CPC (source: EP US)

F23R 3/007 (2013.01 - EP US); **F23R 3/60** (2013.01 - EP US); **F23D 2211/00** (2013.01 - EP US)

Cited by

EP1978305A1; FR2896575A1; EP3139094A1; EP1775517A3; EP3115690A1; EP1719949A3; EP2458282A1; FR2905166A1; EP1898155A1; EP1767858A1; FR2891351A1; FR2887015A1; EP1734305A3; FR2914399A1; EP3139092A1; US7849696B2; US8387395B2; US7617688B2; US11402097B2; US7647779B2; US8122727B2; US10801729B2; US11149646B2; US11898494B2; US7861531B2; US9976746B2

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