

Title (en)

Mounting of a turbine ceramic matrix composite combustion chamber with brazed mounting lugs

Title (de)

Befestigung einer Turbinenbrennkammer aus keramischem Matrix-Verbundwerkstoff mit gelöteten Befestigungsfüssen

Title (fr)

Accrochage de chambre de combustion CMC de turbomachine par pattes brasées

Publication

EP 1265034 A1 20021211 (FR)

Application

EP 02291363 A 20020604

Priority

FR 0107363 A 20010606

Abstract (en)

The composite combustion chamber for a gas turbine is held between the inner and outer metallic envelopes (12,14) by flexible metal tongues (58,60). The tongues have one end attached to metal rings (66) fixed to the envelopes and the other end attached to a composite ring (78) attached to the combustion chamber. The flexibility of the tongues accommodates difference in expansion rates between the metal rings and the composite chamber.

IPC 1-7

F23R 3/60; **F23R 3/00**

IPC 8 full level

F23R 3/00 (2006.01); **F23R 3/42** (2006.01); **F23R 3/60** (2006.01)

CPC (source: EP US)

F23R 3/007 (2013.01 - EP US); **F23R 3/60** (2013.01 - EP US); **F05B 2230/606** (2013.01 - EP US)

Citation (search report)

- [Y] GB 1570875 A 19800709 - LUCAS INDUSTRIES LTD
- [Y] US 6131384 A 20001017 - EBEL MICHAEL [DE]
- [A] GB 2035474 A 19800618 - SULZER AG
- [A] US 2509503 A 19500530 - ALFRED HUYTON
- [A] EP 0316233 A1 19890517 - SNECMA [FR]

Cited by

FR3010774A1; CN105298684A; FR2976021A1; WO2010116051A3

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1265034 A1 20021211; **EP 1265034 B1 20081022**; DE 60229465 D1 20081204; FR 2825783 A1 20021213; FR 2825783 B1 20031107; JP 2003014234 A 20030115; JP 3907529 B2 20070418; US 2002184892 A1 20021212; US 6708495 B2 20040323

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