

Title (en)

Double mounting of a ceramic matrix composite combustion chamber

Title (de)

Doppelbefestigung einer Turbinenbrennkammer aus keramischem Matrix-Verbundwerkstoff

Title (fr)

Liaison de chambre de combustion CMC de turbomachine en deux parties

Publication

EP 1265035 A1 20021211 (FR)

Application

EP 02291364 A 20020604

Priority

FR 0107372 A 20010606

Abstract (en)

The gas turbine engine combustor has an annular combustion chamber of composite material held in position between the metal annular envelope rings by metal flanges (58,60). The flanges are attached at one end to a metal collar (65,66) forming a fixed flange on each envelope ring by fixings (52,66). The other end of the flanges are attached to the composite combustion chamber and to a chamber wall.

IPC 1-7

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

IPC 8 full level

F23R 3/42 (2006.01); **F02C 7/00** (2006.01); **F23J 13/02** (2006.01); **F23J 13/04** (2006.01); **F23R 3/00** (2006.01); **F23R 3/44** (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] EP 1035377 A2 20000913 - MITSUBISHI HEAVY IND LTD [JP]
- [A] US 2509503 A 19500530 - ALFRED HUYTON
- [A] US 5524430 A 19960611 - MAZEAUD GEORGES [FR], et al
- [A] US 4030875 A 19770621 - GRONDAHL CLAYTON M, et al

Cited by

CN110822482A; EP2888452B1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 1265035 A1 20021211; **EP 1265035 B1 20080213**; DE 60224956 D1 20080327; DE 60224956 T2 20090205; FR 2825785 A1 20021213; FR 2825785 B1 20040827; JP 2003035418 A 20030207; JP 4097994 B2 20080611; US 2002184888 A1 20021212; US 6675585 B2 20040113

DOCDB simple family (application)

EP 02291364 A 20020604; DE 60224956 T 20020604; FR 0107372 A 20010606; JP 2002156756 A 20020530; US 16166202 A 20020605