

Title (en)

Supporting structure for gas turbine combustion chamber heat-insulating tiles, heat-insulating module, and gas turbine combustion chamber

Title (de)

Stützstruktur für Hitzeschildplatten einer Gasturbinenbrennkammer, Hitzeschildereinheit und Gasturbinenbrennkammer

Title (fr)

Structure de support des plaques d'un bouclier thermique d'une chambre de combustion d'une turbine à gaz, ensemble d'un bouclier thermique et chambre de combustion d'une turbine à gaz

Publication

EP 2741001 A1 20140611 (EN)

Application

EP 13196562 A 20131210

Priority

IT MI20122104 A 20121210

Abstract (en)

A supporting structure for gas turbine combustion chamber heat-insulating tiles, includes: a first connection element and second connection element (5, 6) having respective first ends (5a, 6a), configured to fit onto sides of a heat-insulating tile (2) of a gas turbine combustion chamber (20), and respective second ends (5b, 6b); a clamping device (7); and a fixing device (8), provided with a threaded pin (15), extending from the clamping device (7) on the side opposite to the heat-insulating tile (2) in use, and with a nut (16). The connection elements (5, 6) clamped by the clamping device (7), and extend in opposite directions from the clamping device (7). The threaded pin (15) is rigidly connected to the clamping device (7), so as to prevent rotations of the threaded pin (15) with respect to the clamping device (7).

IPC 8 full level

F23M 5/04 (2006.01); **F23R 3/00** (2006.01)

CPC (source: EP)

F23M 5/04 (2013.01); **F23R 3/007** (2013.01)

Citation (search report)

- [Y] EP 2236928 A1 20101006 - SIEMENS AG [DE]
- [Y] EP 2270395 A1 20110105 - SIEMENS AG [DE]
- [A] EP 2341287 A1 20110706 - ANSALDO ENERGIA SPA [IT]

Cited by

EP3845810A1; DE102015202097A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

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DOCDB simple family (publication)

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