

Title (en)
SUPPORTING DEVICE FOR A HEAT-INSULATING TILES OF A COMBUSTION CHAMBER OF A GAS TURBINE ASSEMBLY FOR POWER PLANTS AND A GAS TURBINE ASSEMBLY

Title (de)
STÜTZVORRICHTUNG FÜR WÄRMEISOLIERENDE KACHELN EINER BRENNKAMMER EINER GASTURBINENANLAGE FÜR KRAFTWERKE UND EINE GASTURBINENANLAGE

Title (fr)
DISPOSITIF DE SUPPORT POUR DES TUILES D'ISOLATION THERMIQUE D'UNE CHAMBRE DE COMBUSTION D'UN ENSEMBLE TURBINE À GAZ POUR CENTRALES ÉLECTRIQUES ET ENSEMBLE TURBINE À GAZ

Publication
EP 3845810 A1 20210707 (EN)

Application
EP 19425104 A 20191231

Priority
EP 19425104 A 20191231

Abstract (en)
A supporting device (36) for supporting in position a heat-insulating tile (35) of a combustion chamber of a gas turbine assembly for power plant; the supporting device comprising: a plate (37) configured to be housed by sliding in a groove obtained in an inner surface of the combustion chamber; a hooked head (38) at an end of the plate and configured to be coupled to a lateral tile groove, the hooked head comprising in series a first portion (41) orthogonal to the plate protruding inside the combustion chamber and a second portion (42) orthogonal to the first and parallel to the plate; wherein the supporting moreover comprises at least an additional body (43) coupled to the hooked head and configured for realizing a cooling channel (44) between the hooked head and the tile.

IPC 8 full level
F23R 3/00 (2006.01); **F23M 5/04** (2006.01); **F23R 3/60** (2006.01)

CPC (source: CN EP)
F23M 5/02 (2013.01 - CN); **F23M 5/04** (2013.01 - EP); **F23R 3/002** (2013.01 - EP); **F23R 3/007** (2013.01 - CN); **F23R 3/60** (2013.01 - EP); **F23M 2900/05002** (2013.01 - EP)

Citation (applicant)
EP 2741001 A1 20140611 - ANSALDO ENERGIA SPA [IT]

Citation (search report)
• [A] US 2006176671 A1 20060810 - HEILOS ANDREAS [DE]
• [A] JP S59162323 A 19840913 - HITACHI LTD, et al
• [A] US 2009056339 A1 20090305 - FISCHER MARCUS [DE], et al
• [AD] EP 2741001 A1 20140611 - ANSALDO ENERGIA SPA [IT]

Cited by
EP4206532A1

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)
BA ME

DOCDB simple family (publication)
EP 3845810 A1 20210707; **EP 3845810 B1 20231122**; CN 113124419 A 20210716; CN 113124419 B 20240524

DOCDB simple family (application)
EP 19425104 A 20191231; CN 202011614284 A 20201231