

Title (en)

Combustion chamber head with holder for burner seals in gas turbines

Title (de)

Brennkammerkopf mit Halterung für Dichtungen an Brennern in Gastrurbinen

Title (fr)

Tête pour chambre de combustion avec fixation pour les joints d'étanchéité des brûleurs dans des turbines à gaz

Publication

EP 2503242 A3 20171108 (DE)

Application

EP 12002047 A 20120322

Priority

DE 102011014972 A 20110324

Abstract (en)

[origin: EP2503242A2] The head has a base plate (113) provided with a centric recess in which a burner is arranged. The plate is connected to walls of the combustion chamber and with a burner seal (116) that seals the burner towards a rim of the recess. The burner seal is arranged upstream of the plate and brought into contact with a collar (118). The collar is provided on the plate, and forms the rim of the recess. The seal has a holding element (117) that is formed as a sheet ring and arranged upstream of the seal, where the element is engaged with a projection (114) of the plate in a tension-free state.

IPC 8 full level

F23R 3/28 (2006.01); **F23R 3/00** (2006.01)

CPC (source: EP US)

F23R 3/002 (2013.01 - EP US); **F23R 3/283** (2013.01 - EP US); **F23R 2900/00012** (2013.01 - EP US)

Citation (search report)

- [X] US 5222358 A 19930629 - CHAPUT GUILLAUME H [FR], et al
- [Y] EP 1193451 A2 20020403 - ROLLS ROYCE DEUTSCHLAND [DE]
- [Y] WO 9618853 A1 19960620 - UNITED TECHNOLOGIES CORP [US]
- [Y] US 2006042269 A1 20060302 - MARKARIAN LORIN [CA], et al

Cited by

EP2799776A1; DE102013007443A1; US10041415B2

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 2503242 A2 20120926; EP 2503242 A3 20171108; EP 2503242 B1 20200304; DE 102011014972 A1 20120927;
US 2012240595 A1 20120927; US 9222675 B2 20151229

DOCDB simple family (application)

EP 12002047 A 20120322; DE 102011014972 A 20110324; US 201213428633 A 20120323