

Title (en)
HEAT-SHIELD BRICK, COMBUSTION CHAMBER COMPRISING AN INTERNAL COMBUSTION CHAMBER LINING AND A GAS TURBINE

Title (de)
HITZESCHILDSTEIN, BRENNKAMMER MIT EINER INNEREN BRENNKAMMERHAUSKLEIDUNG SOWIE GASTURBINE

Title (fr)
BRIQUE DE PROTECTION THERMIQUE, CHAMBRE DE COMBUSTION A GARNITURE INTERIEURE ET TURBINE A GAZ

Publication
EP 1319154 A1 20030618 (DE)

Application
EP 01969734 A 20010918

Priority

- EP 01969734 A 20010918
- EP 0110790 W 20010918
- EP 00120788 A 20000922

Abstract (en)
[origin: EP1191285A1] The heat shield block has a hot side (3) exposed to the hot medium, a wall side (5) lying opposite and circumferential side (7) adjoining the hot side and wall side. The circumferential side has a tensioning element (11) pretensioned in the circumferential direction. A compressive stress is created normal to the circumferential side face (9). The tensioning element extends at least in areas in the circumferential direction. At least one tensioning element completely envelops the circumferential face. Independent claims are included for a combustion chamber with an inner combustion chamber lining with the proposed heat shield block, and for a gas turbine equipped with said combustion chamber.

IPC 1-7
F23R 3/00; **F23M 5/02**; **F27D 1/08**; **F27D 1/06**

IPC 8 full level
F23M 5/02 (2006.01); **F23R 3/00** (2006.01); **F27D 1/00** (2006.01); **F27D 1/06** (2006.01); **F27D 1/08** (2006.01)

CPC (source: EP US)
F23M 5/02 (2013.01 - EP US); **F23R 3/002** (2013.01 - EP US); **F23R 3/007** (2013.01 - EP US); **F27D 1/0033** (2013.01 - EP US); **F23R 2900/00012** (2013.01 - EP US); **F27D 1/063** (2013.01 - EP US)

Citation (search report)
See references of WO 0225173A1

Designated contracting state (EPC)
DE GB IT

DOCDB simple family (publication)
EP 1191285 A1 20020327; CA 2423196 A1 20030320; CA 2423196 C 20091103; EP 1319154 A1 20030618; US 2003177770 A1 20030925; US 6832484 B2 20041221; WO 0225173 A1 20020328

DOCDB simple family (application)
EP 00120788 A 20000922; CA 2423196 A 20010918; EP 0110790 W 20010918; EP 01969734 A 20010918; US 38096903 A 20030321