

Title (en)

THERMAL SHIELDING BRICK FOR LINING A COMBUSTION CHAMBER WALL, COMBUSTION CHAMBER AND A GAS TURBINE

Title (de)

HITZESCHILDSTEIN ZUR AUSKLEIDUNG EINER BRENNKAMMERWAND, BRENNKAMMER SOWIE GASTURBINE

Title (fr)

PIERRE SERVANT DE BOUCLIER THERMIQUE POUR GARNIR UNE PAROI DE CHAMBRE DE COMBUSTION, CHAMBRE DE COMBUSTION ET TURBINE A GAZ CORRESPONDANTES

Publication

EP 1325276 B1 20051221 (DE)

Application

EP 01976016 A 20010905

Priority

- DE 0103404 W 20010905
- DE 10046094 A 20000918

Abstract (en)

[origin: WO0225197A1] The invention relates to a thermal shielding brick (1, 1A, 1B), especially for lining a combustion chamber wall. Said thermal shielding brick has a hot side (5), which can be exposed to a hot medium, a wall side (7) located opposite said hot side (5), and a peripheral side (69) that is joined to the hot side and to the wall side. A damping element (3, 3A, 3B) is placed on the peripheral side and effectively prevents fragments (81,81A) from detaching from the thermal shielding brick (1, 1A, 1B) if broken. The invention also relates to a combustion chamber having an inner combustion chamber lining, which comprises said thermal shielding bricks (1, 1A, 1B), and to a gas turbine with a combustion chamber.

IPC 1-7

F27D 1/00

IPC 8 full level

F02C 7/00 (2006.01); **F23M 5/00** (2006.01); **F23M 5/02** (2006.01); **F23R 3/42** (2006.01); **F27D 1/00** (2006.01); **F27D 1/06** (2006.01)

CPC (source: EP KR US)

F27D 1/00 (2013.01 - KR); **F27D 1/0023** (2013.01 - EP US)

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

WO 0225197 A1 20020328; CA 2422557 A1 20030314; CN 1452711 A 20031029; DE 10046094 A1 20020502; DE 10046094 C2 20020919; DE 50108485 D1 20060126; EP 1325276 A1 20030709; EP 1325276 B1 20051221; JP 2004509316 A 20040325; KR 20030038748 A 20030516; US 2003172856 A1 20030918; US 6948437 B2 20050927

DOCDB simple family (application)

DE 0103404 W 20010905; CA 2422557 A 20010905; CN 01815207 A 20010905; DE 10046094 A 20000918; DE 50108485 T 20010905; EP 01976016 A 20010905; JP 2002528757 A 20010905; KR 20037003936 A 20030318; US 38085403 A 20030318