

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

Title (de)  
HITZESCHILDSTEIN, BRENNKAMMER MIT EINER INNEREN BRENNKAMMER AUSKLEIDUNG 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  

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- 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  
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