

Title (en)

METAL HEAT SHIELD ELEMENT WITH AN OPTIMIZED COOLING AIR FUNCTION

Title (de)

KÜHLLUFTOPTIMIERTES METALLISCHES HITZESCHILDELEMENT

Title (fr)

ÉLÉMENT D'ÉCRAN THERMIQUE MÉTALLIQUE À CIRCULATION D'AIR DE REFROIDISSEMENT OPTIMISÉE

Publication

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Application

EP 15756635 A 20150827

Priority

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Abstract (en)

[origin: WO2017032424A1] The invention relates to a heat shield element (01) for a heat shield (21) for use in a combustion chamber (26) of a gas turbine. Said heat shield element comprises a wall (03) which has a hot side (04) and a cold side (05) opposite the hot side (04), and mutually opposite first peripheral portions (06) which each extend from the hot side (04) to beyond the cold side (05), and in which peripheral portions (06) a plurality of cooling air openings (11, 12) that are distributed along the length thereof are present. In order to improve the ventilation of the side gap between two heat shield elements (01), at least one cooling air pocket (13) that proceeds from the cold side (05) is present in the wall (03). Said cooling air pocket is in this case arranged in the region of a first cooling air opening (11, 12).

IPC 8 full level

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