

Title (en)

COMBUSTION CHAMBER HAVING A CERAMIC HEAT SHIELD AND SEAL

Title (de)

BRENNKAMMER MIT KERAMISCHEM HITZESCHILD UND DICHTUNG

Title (fr)

CHAMBRE DE COMBUSTION COMPORTANT UN BOUCLIER THERMIQUE ET UN JOINT D'ÉTANCHÉITÉ EN CÉRAMIQUE

Publication

EP 4058728 A1 20220921 (DE)

Application

EP 20828973 A 20201210

Priority

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- EP 2020085430 W 20201210

Abstract (en)

[origin: WO2021180349A1] The invention relates to a combustion chamber (01) of a gas turbine having a peripheral support structure (02) and a heat shield (11) arranged therein. The support structure (02) has a reduced cross-section (03) on the downstream side and a stop element (04) on the upstream side. There is a gap between the heat shield (11) and the stop element (04) to compensate for different strains and tolerances. For reduction of the cooling air consumption, a peripheral sealing groove (05) which is open towards the heat shield and has a sealing element (06) arranged therein (05) is provided in the stop element (04), which sealing element rests against the heat shield (11) and covers the gap.

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

See references of WO 2021180349A1

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