

Title (en)

GAS TURBINE BLADE WITH TIP SECTIONS ANGLED TOWARDS THE PRESSURE SURFACE AND WITH COOLING CHANNELS

Title (de)

GASTURBINENSCHAUFEL MIT ZUR DRUCKSEITE GENEIGTEM KOPF UND MIT KÜHLKANÄLEN

Title (fr)

AUBE DE TURBINE À GAZ À DÉCALAGE VERS L'INTRADOS DES SECTIONS DE TÊTE ET À CANAUX DE REFROIDISSEMENT

Publication

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Application

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Abstract (en)

[origin: WO2013072610A1] The invention relates to a hollow vane (110) comprising a blade extending in a longitudinal direction (R-R'), a root and a head, an internal cooling passage (24) and an open cavity delimited by a bottom wall (26) and a flange (28'), and cooling channels (132) connecting said internal cooling passage (24) and the lower surface (16), said cooling channels being inclined with respect to the lower surface (16a), the stack of sections of blade of the vane at the flange (28') of the vane head being offset towards the lower surface (16a). Characteristically, the wall of the lower surface (16) of the blade has a projecting portion (161) and said cooling channels (132) are arranged in said projecting portion (161) such that they open on the end face (161b) of said projecting portion (161).

IPC 8 full level

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