

Title (en)

TURBINE BLADE WITH GROOVE IN CROWN BASE

Title (de)

TURBINENSCHAUFEL MIT NUT IM KRONENBODEN

Title (fr)

AUBE DE TURBINE DOTÉE D'ENCOCHE AU FOND DE SA COURONNE

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Application

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Abstract (en)

[origin: WO2017054996A1] The invention relates to a turbine blade (01) for a gas turbine, comprising a blade (03), which (03) comprises a blade wall (04) and a crown base (07) arranged at the free end of the blade (03). The blade wall (04) surrounds at least a first and a second flow chamber (11, 12), between which (11, 12) a first separating wall (08) is arranged, wherein a free through-hole (14) for connecting the first and the second flow chambers (11, 12) is present between the first separating wall (08) and the crown base (07). Furthermore, at least one cooling air opening is present in the crown base (07). It is essential to the present invention that the cooling air opening is designed as a relief groove (21, 22a, 22b, 22c, 23), which extends to a point over the through-hole (14) at least in some sections.

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