

Title (en)

CONVECTIVELY COOLED GAS TURBINE BLADE

Title (de)

KONVEKTIV GEKÜHLTE GASTURBINENSCHAUFEL

Title (fr)

AUBE DE TURBINE A GAZ A REFROIDISSEMENT PAR CONVECTION

Publication

**EP 1869291 B1 20140730 (DE)**

Application

**EP 06725419 A 20060330**

Priority

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- RU 2005110990 A 20050414

Abstract (en)

[origin: WO2006108764A1] The invention relates to a gas turbine blade comprising a cooling air channel (609) which extends along the front edge (604) of the blade and has an outlet (611) arranged in the region of the blade head. The contour of the outlet is geometrically similar to the cross-section of the cooling air channel, enabling flow inhomogeneities of the cooling air flow, which locally negatively influence the heat transfer and thus the cooling efficiency, to be eliminated.

IPC 8 full level

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CPC (source: EP US)

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