

Title (en)
TURBINE BLADE

Title (de)
TURBINENSCHAUFEL

Title (fr)
AUBE DE TURBINE

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Application
EP 15760398 A 20150821

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Abstract (en)
[origin: WO2016030289A1] The invention relates to a turbine blade for a turbomachine comprising a turbine blade wall (1) and a fluid channel (2) having an inlet channel section (2a) on the end region leading to the cold side, an outlet channel section (2b) on the end region leading to the hot side of the turbine blade wall, and a central channel section (2c) between the two having a circular or oval cross-section that is constant along the length, which turbine blade forms an acute angle with the surface of the turbine blade wall over which hot gas flows, and has an intermediate channel section (2d) between the inlet channel section and the central channel section, said intermediate channel section having a larger cross-sectional area than the central channel section, wherein the central channel section connects to the intermediate channel section by forming a shoulder surface (5) between same, wherein the shoulder surface is formed on a wall region of the fluid channel and, on the opposing wall region, the intermediate channel section and the central channel section merge with one another in a linear manner with a reduced shoulder height

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