

Title (en)
TURBINE BLADE

Title (de)
TURBINENSCHAUFEL

Title (fr)
AUBE DE TURBINE

Publication
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Application
EP 13714573 A 20130321

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Abstract (en)
[origin: WO2013139926A1] A turbine vane for a rotary turbomachine is described having a turbine blade (4) which is delimited by a concave pressure-side wall (6) and a convex suction-side wall (7) which are connected in the region of a vane front edge (5) which can be assigned to the turbine blade (4) and enclose a cavity (9) which extends in the longitudinal extent of the vane front edge (5) and is delimited on the inner wall by the pressure-side wall (6) and the suction-side wall (7) in the region of the vane front edge (5) and by an intermediate wall (8) which extends in the longitudinal direction to the vane front edge (5) and connects the suction-side wall (7) and the pressure-side wall (6) on the inner wall. The disclosed vane is distinguished by the fact that the intermediate wall (8) has a perforation (16) at least in sections in the connecting region to the suction-side wall (7) and/or pressure-side wall (6), in order to increase the elasticity of the intermediate wall (8).

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