

Title (en)
BLADE FOR A TURBINE BLADE

Title (de)
SCHAUFELBLATT FÜR EINE TURBINENSCHAUFEL

Title (fr)
AUBAGE D'AUBE DE TURBINE

Publication
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Application
EP 18779293 A 20180919

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• EP 2018075288 W 20180919

Abstract (en)
[origin: WO2019057743A1] The invention relates to a blade for a turbine blade, comprising a suction-side side wall (22) and a pressure-side side wall (24) that enclose a cavity at least partially in a manner which extends along a profile centre line (32) from a common front edge (18) to a common rear edge (20) and in a span width direction from a root-side end (26) to a tip-side end (27), wherein a first perforated impingement cooling wall (34) which is provided with openings for the impingement cooling of the front edge (18) and at least one further perforated impingement cooling wall (54) for the impingement cooling of a section of the suction-side and/or pressure-side side wall (22, 24) are provided in the interior along the span width. In order to achieve particularly efficient cooling of the turbine blade (10), it is proposed that the impingement cooling openings (42) of the first impingement cooling wall (34) and the at least one second impingement cooling wall (54) are connected in series in flow terms.

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