

Title (en)  
BLADE FOR AN INTERNALLY COOLED TURBINE BLADE AND METHOD FOR PRODUCING SAME

Title (de)  
SCHAUFELBLATT FÜR EINE INNENGEKÜHLTE TURBINENLAUFSCHAUFEL SOWIE VERFAHREN ZUR HERSTELLUNG EINER SOLCHEN

Title (fr)  
PALE D'AUBE POUR UNE AUBE MOBILE DE TURBINE À REFROIDISSEMENT INTÉRIEUR AINSI QUE PROCÉDÉ DE FABRICATION D'UNE TELLE PALE

Publication  
**EP 3473808 B1 20200617 (DE)**

Application  
**EP 17197244 A 20171019**

Priority  
EP 17197244 A 20171019

Abstract (en)  
[origin: US2019120066A1] A blade airfoil for an internally cooled turbine rotor blade has suction-side and pressure-side side walls, which, extending from a common leading edge to a common trailing edge and in a span direction from a root-side end to a tip-side end, at least partially enclose a cavity. The tip-side end includes a tip wall which delimits the cavity at the tip side. At least one cooling hole for the discharge of cooling fluid that can be caused to flow in the interior is provided. In the cavity, at least one rib which extends from the tip wall in the direction of the root-side end projects from the inner surface, surrounding the rib, of the suction-side side wall and/or from the inner surface of the pressure-side side wall. An inflow-side end, in relation to the cooling fluid, of the at least one cooling hole opens out laterally in the respective rib.

IPC 8 full level  
**F01D 5/20** (2006.01); **F01D 11/10** (2006.01); **F01D 5/18** (2006.01); **F01D 11/08** (2006.01)

CPC (source: EP US)  
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Cited by  
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