

Title (en)
ROTOR BLADE AND TURBOMACHINE COMPRISING A ROTOR BLADE

Title (de)
LAUFSCHAUFEL UND STRÖMUNGSMASCHINE MIT LAUFSCHAUFEL

Title (fr)
AUBE ET TURBOMACHINE POURVUE D'UNE AUBE

Publication
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Application
EP 09771998 A 20090624

Priority
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Abstract (en)
[origin: WO2010000228A2] A rotor blade (1) for a flow engine, especially a steam turbine, comprises a pinned root (2) having a first tab (3) and two second tabs (4) which are arranged at both sides of the first tab in the axial direction (a), the first and the second tabs having a collar (5) in the axial direction on axial sides (3.i, 4.i) facing each other in such a manner that the tabs have a radially outer first section (3.1, 4.1) and a radially inner second section (3.2, 4.2) the axial extension of which (bF3) is shorter than that (bF1, bF2) of the outer first section, based on an axial overall width (b) between axial sides (4.a) of the two second tabs (4) facing away from each other, the radial height (hF1 / b) of the first, radially outer section being in the range of 0.39 and 0.45, especially between 0.40 and 0.44, and the radial height (hF2 / b) of the second, radially inner section being in the range of 0.40 and 0.46, especially between 0.41 and 0.45.

IPC 8 full level
F01D 5/30 (2006.01)

CPC (source: EP US)
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