

Title (en)
BLADE FOR A TURBO-MACHINE

Title (de)
SCHAUFEL FÜR EINE STRÖMUNGSMASCHINE

Title (fr)
AUBE POUR UNE TURBOMACHINE

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Application
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Abstract (en)
[origin: WO9913199A1] The invention relates to a blade (1) for a turbo-machine (11) which is oriented along a blade axis (2). Cross-sectional profiles (5) situated axially at a distance to each other and perpendicular to the blade axis (2) are offset parallel to each other towards the central area (10) in the top end area (4) and in the base end area (3) of the blade (1) in such a way that the blade (1) is displaced along the blade axis (2) in a convex manner. In addition, cross-sectional profiles (5a, 5b; 15a, 15b) situated at an axial distance to each other are twisted in relation to each other in the base end area (3) and/or the top end area (4). The invention further relates to a steam turbine (11).

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Opponent :
Ueli Wieland, Andreas Kirschner, Said Havakechian, Brendon Scarfin, "Advanced Steam Turbine Blading for Retrofit and Repowering Applications", American Society of Mechanical Engineers: PWR - Vol. 26, Advanced, in Steam Turbine Technology for the Power Generation Industry, Editor W.G. Moore, Book No G0877 - 1994, pp.19-25

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