

Title (en)
BLADE FOR A GAS TURBINE

Title (de)
SCHAUFEL FÜR EINE GASTURBINE

Title (fr)
AUBE POUR UNE TURBINE À GAZ

Publication
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Application
EP 10706671 A 20100305

Priority
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• CH 5022009 A 20090330

Abstract (en)
[origin: WO2010112299A1] A blade (10) for a gas turbine comprises an airfoil (11), at the top end of which a shroud segment is disposed, wherein the shroud segment (12) together with the shroud segments of the other blades of a blade row forms a peripheral shroud delimiting the hot gas duct of the gas turbine, and wherein the shroud segment (12) is provided with side rails (16, 17) running along the side edge and protruding upward in order to improve the sealing effect with respect to the hot gas duct on the sides on which said segment abuts the adjacent shroud segments of the shroud. In such a blade, cooling in the area of the side rails (16, 17) is improved in that in the side rails (16, 17) slots (23, 24) are disposed, which run in parallel to the rails and are open toward the top and through which cooling air fed over the shroud segment (12) from the inside of the airfoil (11) escapes into the space above the shroud segment (12).

IPC 8 full level
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