

Title (en)
Turbine blade with air cooled tip shroud

Title (de)
Turbinenschaufel mit luftgekühltem Deckbandelement

Title (fr)
Aube de turbine avec carenage d'extrémité refroidie

Publication
EP 1126136 B1 20060614 (DE)

Application
EP 00810966 A 20001019

Priority
DE 19963377 A 19991228

Abstract (en)
[origin: US2001006600A1] In an air-cooled turbine blade (10) which has a shroud-band element (11) at the blade tip, the shroud-band element (11) extending transversely to the blade longitudinal axis, hollow spaces (16, 16', 17, 17') for cooling being provided in the interior of the shroud-band element (11), which hollow spaces (16, 16', 17, 17') are connected on the inlet side to at least one cooling-air passage (18) passing through the turbine blade (10) to the blade tip and open on the outlet side into the exterior space surrounding the turbine blade (10), the hollow spaces (16, 16', 17, 17') and the shroud-band element (11) are matched to one another in shape and dimensions in order to reduce the weight of the shroud-band element (11).

IPC 8 full level
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