

Title (en)

COOLING OF THE SHROUD OF A TURBINE BLADE

Title (de)

KÜHLUNG DES DECKBANDES EINER TURBINENSCHAUFEL

Title (fr)

REFROIDISSEMENT DE LA BANDE DE PROTECTION D'UNE AUBE DE TURBINE

Publication

EP 0621920 B1 19960320 (DE)

Application

EP 94901787 A 19931110

Priority

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- GB 9224241 A 19921119

Abstract (en)

[origin: WO9411616A1] A cooled turbine blade (1) has a shroud segment (2) in which three cooling air branch channels (4, 14, 15) are substantially perpendicularly arranged with respect to the longitudinal axis of the blade and in the circumferential direction of the shrouding of the blade. Cooling air bores (7, 9) which open at the surface of the shroud segments (7, 9), forming there film cooling holes (8, 10), branch off from the cooling air branch channels (4, 14, 15). Cooling air is supplied to a first branch channel (4) by a blade cooling channel (3) located in the blow area, whereas a second branch channel (14) is coupled to another blade cooling channel (13) and the third branch channel (15) is coupled to the second branch channel (14).

IPC 1-7

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IPC 8 full level

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