

Title (en)

Method for fabrication of turbine blades with cooling channels

Title (de)

Verfahren zum Herstellen von Turbinenschaufeln mit darin angeordneten Kühlkanälen

Title (fr)

Procédé pour la fabrication d'aubes de turbine avec des canaux de refroidissement

Publication

EP 1398098 B1 20060913 (DE)

Application

EP 03015950 A 20030714

Priority

DE 10236339 A 20020808

Abstract (en)

[origin: DE10236339B3] The method involves making a ceramic core, injecting round it with wax and dipping it and sanding it to produce a ceramic moulding shell. Movement of the core in the shell is prevented by positioning pins (7) embedded in the free end side (6) of the core (1) so as to protrude beyond this end side to bed into the shell. The protruding end of the pin is removed during the mechanical finishing work carried out on the hardened metal blades. The pin is made from a nickel-based alloy, preferably from NiCr 82.

IPC 8 full level

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CPC (source: EP US)

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