

Title (en)

Method for producing an airfoil

Title (de)

Verfahren zur Herstellung einer Turbinenschaufel

Title (fr)

Procédé pour la fabrication d'une aube de turbine

Publication

EP 1247602 B1 20080220 (DE)

Application

EP 01108480 A 20010404

Priority

EP 01108480 A 20010404

Abstract (en)

[origin: EP1247602A1] Process for producing a turbine blade in a hollow profile comprises connecting a first core element (10) via a number of approximately cylindrical spacers (14) to a further core element and/or a casting mold. The hollow spaces left by the core elements in the casting mold are filled with blade material. The openings produced in the blade by the spacers are sealed by stopper elements after removal of the core elements and the spacers. Preferred Features: The stopper elements are flattened and mushroomed over after insertion and welded in the opening. The stopper elements are blind rivets or drive-in pins.

IPC 8 full level

B22C 21/14 (2006.01); **F01D 5/18** (2006.01); **F01D 9/02** (2006.01); **F02C 7/00** (2006.01)

CPC (source: EP US)

B22C 21/14 (2013.01 - EP US); **Y10T 29/49339** (2015.01 - EP US)

Cited by

EP2335846A3; US8276649B2

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 1247602 A1 20021009; **EP 1247602 B1 20080220**; CN 1250361 C 20060412; CN 1378890 A 20021113; DE 50113629 D1 20080403; ES 2301504 T3 20080701; JP 2002349285 A 20021204; US 2002157251 A1 20021031; US 6739381 B2 20040525

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EP 01108480 A 20010404; CN 02105435 A 20020404; DE 50113629 T 20010404; ES 01108480 T 20010404; JP 2002098225 A 20020401; US 11763302 A 20020404