

Title (en)

RMC-Defined tip blowing slots for turbine blades

Title (de)

RMC-definierte Spitzenblasungsschlitze für Turbinenschaufeln

Title (fr)

Fentes de soufflage à pointe défini par RMC pour pales de turbine

Publication

EP 1927414 B1 20130123 (EN)

Application

EP 07254584 A 20071126

Priority

US 60659806 A 20061130

Abstract (en)

[origin: EP1927414A2] A process for forming an airfoil portion (42) of a turbine engine component, such as a turbine blade, is described. The process comprises the steps of placing a ceramic core (14) having a configuration of a passageway (15) to be formed in the airfoil portion (42) within a mold (80), attaching a refractory metal core element (10) to the ceramic core (14) to stabilize a tip region (12) of the ceramic core (14), and casting the airfoil portion (42).

IPC 8 full level

B22C 9/10 (2006.01); **F01D 5/18** (2006.01)

CPC (source: EP US)

B22C 9/04 (2013.01 - EP US); **B22C 9/103** (2013.01 - EP US); **F01D 5/147** (2013.01 - EP US); **F01D 5/187** (2013.01 - EP US); **F05D 2230/211** (2013.01 - EP US); **F05D 2300/13** (2013.01 - EP US); **Y10T 29/49337** (2015.01 - EP US)

Cited by

EP2636466A1; CN103990761A; EP2146052A3; CN103286275A; CN111136232A; CN105689690A; CN108971438A; EP2286938A3; EP2211019A3; US10099283B2; US10099276B2; US10137499B2; US10150158B2; US9968991B2; US9987677B2; EP2146052A2; WO2013131594A1; US10099284B2; US10335853B2; US10286450B2; US10981221B2; US10046389B2; US10118217B2; US9975176B2

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