

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 2246133 A1 20101103 (EN)

Application

EP 10007545 A 20071126

Priority

- EP 07254584 A 20071126
- US 60659806 A 20061130

Abstract (en)

A turbine engine component, such as a turbine blade, is described. The turbine engine component has an airfoil portion (42) with a tip region (34), a recessed shelf (36) in the tip region (34), and a plurality of slots (30) in the recessed shelf (36) through which a cooling fluid flows. The slots (30) are located along a pressure side (40) of the tip region (34).

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)

Citation (search report)

- [X] EP 1445424 A2 20040811 - UNITED TECHNOLOGIES CORP [US]
- [E] EP 1878874 A2 20080116 - UNITED TECHNOLOGIES CORP [US]

Cited by

US10099283B2; US10099276B2; US10137499B2; US10150158B2; US9968991B2; US9987677B2; US10099284B2; US10335853B2; US10286450B2; US10981221B2; US10046389B2; US10118217B2; US9975176B2

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