

Title (en)

IMPROVED COOLANT PASSAGE STRUCTURE FOR ROTOR BLADES IN A COMBUSTION TURBINE

Publication

**EP 0207799 A3 19880914 (EN)**

Application

**EP 86305182 A 19860703**

Priority

US 75165785 A 19850703

Abstract (en)

[origin: EP0207799A2] A combustion turbine rotor blade is provided with an airfoil portion having a plurality of coolant holes extending radially outwardly therethrough. The coolant holes are tapered to a smaller flow cross-section in the radially outward direction to produce more uniform cooling action over the length of the holes over which tapering is provided.

IPC 1-7

**F01D 5/18**

IPC 8 full level

**F01D 5/18** (2006.01)

CPC (source: EP)

**F01D 5/187** (2013.01); **F05D 2250/231** (2013.01); **F05D 2250/232** (2013.01)

Citation (search report)

[X] US 3301528 A 19670131 - HARTLEY MALLEY HARRY

Cited by

WO2017121689A1; US2013052035A1; EP2354453A1; EP2743454A1; EP0319758A1; US4893987A; CN113454322A; EP0550184A1; US5413463A; US2010329862A1; JP2011007181A; US8511990B2; US6994514B2; EP1422383A3; US8511992B2; EP1541805A1; US6997679B2; US8157527B2; EP1820937A3; US9200526B2; US2022170376A1; US11905848B2; WO2004057157A1; US10686199B2; US11489175B2; US8506251B2; US8827646B2; US11060195B2; US6824360B2; US6539627B2; US10734661B2; EP1820937A2; US10408079B2; US10930942B2; US11901591B2

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

**EP 0207799 A2 19870107**; **EP 0207799 A3 19880914**; CA 1262868 A 19891114; CN 86104500 A 19870204; IE 861475 L 19870103; JP S6210402 A 19870119

DOCDB simple family (application)

**EP 86305182 A 19860703**; CA 512386 A 19860625; CN 86104500 A 19860701; IE 147586 A 19860604; JP 15185286 A 19860630