

Title (en)

Serpentine microcircuit vortex turbulators for blade cooling

Title (de)

Wirbelerzeuger in serpentinartigen Mikrokanälen zur Schaufelkühlung

Title (fr)

Générateurs de tourbillons dans microcircuits en serpents pour refroidissement d'aube

Publication

EP 2282009 A1 20110209 (EN)

Application

EP 10010854 A 20070718

Priority

- EP 07252837 A 20070718
- US 48915506 A 20060718
- US 49140406 A 20060721

Abstract (en)

A cooling microcircuit (100)' for use in a turbine engine component (90) is provided. The cooling microcircuit has at least one leg (132) through which a cooling fluid flows. A plurality of cast vortex generators (180) are positioned within the at least one leg (132) to improve the cooling effectiveness of the cooling microcircuit (100).

IPC 8 full level

F01D 5/18 (2006.01)

CPC (source: EP)

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Citation (search report)

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Designated contracting state (EPC)

DE FI GB MC

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