

Title (en)

AEROFOIL WITH ONE OR MORE PEDESTALS HAVING DIMPLED SURFACE FOR COOLING

Title (de)

SCHAUFEL MIT EINEM ODER MEHREREN SOCKELN MIT GENOPPTER OBERFLÄCHE ZUR KÜHLUNG

Title (fr)

AUBE AVEC UN OU PLUSIEURS SOCLES AYANT UNE SURFACE ALVÉOLÉE DESTINÉE À REFROIDIR

Publication

**EP 3279432 A1 20180207 (EN)**

Application

**EP 16182733 A 20160804**

Priority

EP 16182733 A 20160804

Abstract (en)

An aerofoil for a gas turbine engine is presented. The aerofoil has a pressure side wall and a suction side wall that join each other at a leading edge and a trailing edge. The pressure side wall has a pressure side outer surface and a pressure side inner surface. The suction side wall has a suction side outer surface and a suction side inner surface. The pressure side inner surface and the suction side inner surface are opposing surfaces. Within the aerofoil, a cooling passage is arranged between the pressure side inner surface and the suction side inner surface. A plurality of pedestals extending longitudinally between the pressure side inner surface and the suction side inner surface are arranged within the cooling passage. The plurality of pedestals includes one or more pedestal having dimpled surface.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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- [Y] US 2015037165 A1 20150205 - JONES MARK ANDREW [US], et al
- [A] WO 2012036965 A1 20120322 - SIEMENS ENERGY INC [US], et al

Designated contracting state (EPC)

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