

Title (en)

COMPONENT COMPRISING A COATING AND METHOD FOR PRODUCING A COATING

Title (de)

BAUTEIL MIT BESCHICHTUNG UND VERFAHREN ZUM HERSTELLEN EINER BESCHICHTUNG

Title (fr)

ELEMENT DOTE D'UN REVETEMENT ET PROCEDE POUR REALISER UN REVETEMENT

Publication

EP 1797214 A1 20070620 (DE)

Application

EP 05776179 A 20050829

Priority

- EP 2005054227 W 20050829
- EP 04023705 A 20041005
- EP 05776179 A 20050829

Abstract (en)

[origin: EP1645655A1] A component e.g. a gas turbine engine compressor blade has a thermal barrier coating incorporating a network of thermal expansion seams. The seam pattern is e.g. rectangular, hexagonal. The thermal barrier coating is a porous ceramic material applied using a bonding agent to a metal substrate. The metal substrate is applied to the blade root zone by a thermal spray or a gas separation phase under a wire screen (9). Also claimed is a suitable turbine blade.

IPC 8 full level

C23C 14/04 (2006.01)

CPC (source: EP)

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