

Title (en)  
COMPONENT COMPRISING A COATING AND METHOD FOR PRODUCING SAID 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 1797215 A1 20070620 (DE)**

Application  
**EP 05784519 A 20050829**

Priority  

- EP 2005054230 W 20050829
- EP 04023705 A 20041005
- EP 05784519 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)  
**C23C 14/042** (2013.01)

Citation (search report)  
See references of WO 2006037700A1

Citation (examination)  
JP S58190892 A 19831107 - NIPPON CARBON CO LTD

Designated contracting state (EPC)  
CH DE FR GB IT LI NL

DOCDB simple family (publication)  
**EP 1645655 A1 20060412**; EP 1797214 A1 20070620; EP 1797215 A1 20070620; WO 2006037699 A1 20060413; WO 2006037700 A1 20060413

DOCDB simple family (application)  
**EP 04023705 A 20041005**; EP 05776179 A 20050829; EP 05784519 A 20050829; EP 2005054227 W 20050829; EP 2005054230 W 20050829