

Title (en)  
TURBINE ENGINE COMPONENTS WITH NON-ALUMINIDE SILICON-CONTAINING AND CHROMIUM-CONTAINING PROTECTIVE COATINGS  
AND METHODS OF FORMING SUCH NON-ALUMINIDE PROTECTIVE COATINGS

Title (de)  
TURBOMOTOREN-BESTANDTEILE BESCHICHTET MIT SILIZIUM- UND CHROMIUMHALTIGEN NICHT ALUMINID-BESCHICHTUNGEN UND  
VERFAHREN ZUR HERSTELLUNG SOLCHER NICHT-ALUMINID-BESCHICHTUNGEN

Title (fr)  
COMPOSANTS DE MOTEUR A TURBINE AVEC REVETEMENTS PROTECTEURS CONTENANT DU SILICIUM ET DU CHROME SANS  
ALUMINURE ET PROCEDES DE FABRICATION DE TELS REVETEMENTS PROTECTEURS SANS ALUMINURE

Publication  
**EP 1831428 B1 20110622 (EN)**

Application  
**EP 05858676 A 20051212**

Priority  
• US 2005044843 W 20051212  
• US 2004041896 W 20041213

Abstract (en)  
[origin: WO2006065819A2] A metal component (10) with a protective coating (16) containing silicon and a process for forming such protective coatings (14). The protective coating (16) is formed by applying a silicon-containing fluid composition to the metal component (10) as a silicon-containing layer (12) and heating the silicon-containing layer (12) to a temperature exceeding 400° F.

IPC 8 full level  
**C23C 30/00** (2006.01); **C23C 26/00** (2006.01); **F01D 5/28** (2006.01)

CPC (source: EP)  
**C23C 18/06** (2013.01); **C23C 18/1212** (2013.01); **C23C 18/1241** (2013.01); **C23C 18/1275** (2013.01); **C23C 18/1279** (2013.01);  
**C23C 22/48** (2013.01); **C23C 22/74** (2013.01)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2006065819 A2 20060622; WO 2006065819 A3 20061130**; EP 1831428 A2 20070912; EP 1831428 B1 20110622;  
EP 1834009 A2 20070919; EP 1834009 B1 20160720; EP 3095895 A1 20161123; EP 3095895 B1 20190501; ES 2368436 T3 20111117;  
PL 1831428 T3 20120330; PL 3095895 T3 20191031; WO 2007067185 A2 20070614; WO 2007067185 A3 20070802

DOCDB simple family (application)  
**US 2005045078 W 20051212**; EP 05853894 A 20051212; EP 05858676 A 20051212; EP 16171410 A 20051212; ES 05858676 T 20051212;  
PL 05858676 T 20051212; PL 16171410 T 20051212; US 2005044843 W 20051212