

Title (en)

COATING PROCESS AND CORROSION PROTECTION COATING FOR TURBINE COMPONENTS

Title (de)

BESCHICHTUNGSVERFAHREN UND KORROSIONSSCHUTZBESCHICHTUNG FÜR TURBINEN-KOMPONENTEN

Title (fr)

PROCÉDÉ DE REVÊTEMENT ET REVÊTEMENT DE PROTECTION ANTI-CORROSION POUR DES ÉLÉMENTS DE TURBINES

Publication

**EP 2297378 A1 20110323 (DE)**

Application

**EP 09779887 A 20090623**

Priority

- EP 2009057803 W 20090623
- EP 08012574 A 20080711
- EP 09779887 A 20090623

Abstract (en)

[origin: EP2143819A1] Method for coating a surface (23) of a fuel-guiding component (20) of a turbine component comprises coating the surface initially with a titanium nitride layer (21) using chemical gas phase deposition and then with an alpha-aluminum oxide layer (22). An independent claim is also included for a turbine component with the above coating.

IPC 8 full level

**C23C 16/40** (2006.01); **C23C 16/34** (2006.01)

CPC (source: EP US)

**C23C 16/34** (2013.01 - EP US); **C23C 16/403** (2013.01 - EP US); **C23C 28/04** (2013.01 - EP US); **F23M 5/00** (2013.01 - EP US); **F23R 3/002** (2013.01 - EP US); **F23R 3/007** (2013.01 - EP US); **F23M 2900/05004** (2013.01 - EP US); **F23R 2900/00018** (2013.01 - EP US); **Y10T 428/31678** (2015.04 - EP US)

Citation (search report)

See references of WO 2010003816A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**EP 2143819 A1 20100113**; CN 102089456 A 20110608; CN 102089456 B 20150401; EP 2297378 A1 20110323; JP 2011527382 A 20111027; JP 5475769 B2 20140416; RU 2011105001 A 20120820; RU 2473713 C2 20130127; US 2011117377 A1 20110519; WO 2010003816 A1 20100114

DOCDB simple family (application)

**EP 08012574 A 20080711**; CN 200980126724 A 20090623; EP 09779887 A 20090623; EP 2009057803 W 20090623; JP 2011517076 A 20090623; RU 2011105001 A 20090623; US 200913003055 A 20090623