

Title (en)  
PROTECTIVE COATING FOR A THERMALLY STRESSED STRUCTURE

Title (de)  
SCHUTZBESCHICHTUNG FÜR EINE THERMISCH BEANSPRUCHTE STRUKTUR

Title (fr)  
REVÊMENT PROTECTEUR D'UNE STRUCTURE SOUSMISE À UNE SOLlicitATION THERMIQUE

Publication  
**EP 3455387 A1 20190320 (DE)**

Application  
**EP 17737732 A 20170623**

Priority  
• DE 102016212874 A 20160714  
• EP 2017065493 W 20170623

Abstract (en)  
[origin: WO2018010936A1] The invention relates to a method for arranging a protective coating for a thermally stressed structure, having at least one layer of alpha-aluminium oxide or of element-modified alpha-aluminium oxide, and wherein the protective coating is applied by reactive cathodic arc vaporization. The invention further relates to a protective coating produced by the method and to a component having a protective coating.

IPC 8 full level  
**C23C 14/08** (2006.01); **C23C 14/00** (2006.01); **C23C 14/32** (2006.01); **C23C 28/00** (2006.01)

CPC (source: EP KR RU US)  
**C23C 14/0021** (2013.01 - EP KR); **C23C 14/08** (2013.01 - EP KR RU); **C23C 14/081** (2013.01 - EP US); **C23C 14/14** (2013.01 - US); **C23C 14/24** (2013.01 - RU); **C23C 14/325** (2013.01 - EP KR US); **C23C 14/3414** (2013.01 - US); **C23C 28/321** (2013.01 - EP US); **C23C 28/3215** (2013.01 - EP); **C23C 28/345** (2013.01 - EP); **C23C 28/3455** (2013.01 - EP); **C23C 28/36** (2013.01 - EP); **F01D 5/288** (2013.01 - US); **C23C 28/321** (2013.01 - KR); **C23C 28/3215** (2013.01 - KR); **C23C 28/345** (2013.01 - KR); **C23C 28/3455** (2013.01 - KR); **C23C 28/36** (2013.01 - KR); **F05D 2230/90** (2013.01 - KR US)

Citation (search report)  
See references of WO 2018010936A1

Designated contracting state (EPC)  
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**DE 102016212874 A1 20180118**; CN 109790616 A 20190521; EP 3455387 A1 20190320; JP 2019527768 A 20191003; JP 7214620 B2 20230130; KR 102355073 B1 20220124; KR 20190038801 A 20190409; MX 2019000540 A 20190919; RU 2019103994 A 20200814; RU 2019103994 A3 20201030; RU 2748342 C2 20210524; US 11584984 B2 20230221; US 2021214838 A1 20210715; WO 2018010936 A1 20180118

DOCDB simple family (application)  
**DE 102016212874 A 20160714**; CN 201780043503 A 20170623; EP 17737732 A 20170623; EP 2017065493 W 20170623; JP 2019501477 A 20170623; KR 20197001268 A 20170623; MX 2019000540 A 20170623; RU 2019103994 A 20170623; US 201716316164 A 20170623