

Title (en)

DVC-COATING WITH FULLY AND PARTIALLY STABILIZED ZIRCONIA

Title (de)

DVC-BESCHICHTUNG MIT VOLLSTÄNDIG UND TEILWEISE STABILISIERTEM ZIRKONIUMOXID

Title (fr)

REVÊTEMENT DVC AVEC DU ZIRCONIUM ENTièrement ET PARTIELLEMENT STABILISÉ

Publication

EP 3106541 A1 20161221 (EN)

Application

EP 15172884 A 20150619

Priority

EP 15172884 A 20150619

Abstract (en)

A dense vertical cracked microstructure in a ceramic layer system made of an underline partially stabilized zirconia layer and an above laying fully stabilized zirconia layer show good erosion resistance and long life time.

IPC 8 full level

C23C 28/00 (2006.01); **F01D 5/28** (2006.01)

CPC (source: EP US)

C23C 28/3215 (2013.01 - EP US); **C23C 28/3455** (2013.01 - EP US); **F01D 5/288** (2013.01 - EP US); **F01D 5/284** (2013.01 - US); **F05D 2250/294** (2013.01 - EP US); **F05D 2300/2118** (2013.01 - EP US)

Citation (search report)

- [X] US 2005170200 A1 20050804 - NAGARAJ BANGALORE A [US], et al
- [XI] EP 1674663 A2 20060628 - MITSUBISHI HEAVY IND LTD [JP], et al

Cited by

DE102017206063A1; EP3453784A1; EP3712379A1; CN113597501A; US10550462B1; WO2020193043A1

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)

EP 3106541 A1 20161221; EP 3283667 A1 20180221; US 2018179645 A1 20180628; WO 2016202495 A1 20161222

DOCDB simple family (application)

EP 15172884 A 20150619; EP 16722589 A 20160503; EP 2016059828 W 20160503; US 201615736340 A 20160503