

Title (en)

Multilayered coatings with diamond like carbon

Title (de)

Mehrschichtige Beschichtungen mit diamantähnlichem Kohlenstoff

Title (fr)

Revêtements multicouches avec du carbone de type diamant

Publication

EP 2821525 A1 20150107 (EN)

Application

EP 14173879 A 20140625

Priority

US 201313932239 A 20130701

Abstract (en)

Multilayered coatings 10 include an adhesion base layer 12 that can adhere to a metal substrate 20, and a top surface layer 16 that has a surface roughness of less than or equal to about Ra 0.0254 μm , wherein at least one of the layers 12, 16 comprises a diamond-like carbon.

IPC 8 full level

C23C 28/04 (2006.01); **F01D 5/28** (2006.01)

CPC (source: CN EP US)

C23C 28/046 (2013.01 - CN EP US); **C23C 28/42** (2013.01 - CN EP US); **F01D 5/288** (2013.01 - CN EP US);
F05D 2250/62 (2013.01 - CN EP US); **F05D 2300/224** (2013.01 - CN EP US); **F05D 2300/506** (2013.01 - CN EP US);
Y10T 428/24355 (2015.01 - EP US)

Citation (search report)

- [X] WO 0179585 A1 20011025 - UNAXIS BALZERS AG [LI], et al
- [X] EP 1067211 A1 20010110 - SUMITOMO ELECTRIC INDUSTRIES [JP]

Cited by

EP3176286A4

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 2821525 A1 20150107; CN 104275864 A 20150114; JP 2015010278 A 20150119; US 2015004362 A1 20150101

DOCDB simple family (application)

EP 14173879 A 20140625; CN 201410305693 A 20140630; JP 2014130870 A 20140626; US 201313932239 A 20130701