

Title (en)

CORROSION AND FATIGUE RESISTANT COATING FOR A NON-LINE-OF-SIGHT (NLOS) PROCESS

Title (de)

KORROSIONS- UND ERMÜDUNGSBESTÄNDIGE BESCHICHTUNG FÜR EIN NICHT-SICHTLINIENVERFAHREN

Title (fr)

REVÊTEMENT RÉSISTANT À LA CORROSION ET À LA FATIGUE POUR PROCÉDÉ SANS VISIBILITÉ DIRECTE (NLOS)

Publication

EP 3388559 A1 20181017 (EN)

Application

EP 18165956 A 20180405

Priority

US 201715487615 A 20170414

Abstract (en)

A non-line-of-sight (NLOS) coating process is provided for a substrate having first and second transverse surfaces where the second surface lacks a LOS for depositional processing. The NLOS coating process includes electroplating or electroless plating a crack-resistant interlayer coating to at least the second surface and applying a wear-resistant coating to the crack-resistant interlayer coating by electrolytic or electroless plating.

IPC 8 full level

C25D 5/10 (2006.01); **C23C 18/16** (2006.01); **C25D 5/12** (2006.01); **C25D 15/00** (2006.01)

CPC (source: EP US)

C23C 18/1637 (2013.01 - US); **C23C 18/1651** (2013.01 - EP US); **C23C 18/1653** (2013.01 - EP US); **C23C 18/32** (2013.01 - US); **C23C 18/42** (2013.01 - US); **C23C 18/50** (2013.01 - US); **C25D 3/04** (2013.01 - US); **C25D 3/12** (2013.01 - US); **C25D 3/22** (2013.01 - US); **C25D 3/26** (2013.01 - US); **C25D 3/30** (2013.01 - US); **C25D 3/34** (2013.01 - US); **C25D 3/44** (2013.01 - US); **C25D 3/46** (2013.01 - US); **C25D 3/48** (2013.01 - US); **C25D 3/54** (2013.01 - US); **C25D 3/562** (2013.01 - US); **C25D 5/10** (2013.01 - EP US); **C25D 5/12** (2013.01 - EP US); **C25D 5/623** (2020.08 - EP US); **C25D 9/04** (2013.01 - US); **C23C 18/1662** (2013.01 - EP US); **C25D 15/00** (2013.01 - EP US)

Citation (applicant)

US 7854966 B2 20101221 - NARDI AARON T [US]

Citation (search report)

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Citation (examination)

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- FUNATANI K ET AL: "Improved engine performance via use of nickel ceramic composite coatings (NCC coat)", SAE 2010 COMMERCIAL VEHICLE ENGINEERING CONGRESS SAE TECHNICAL PAPERS, no. 1049, 12 September 1994 (1994-09-12), US, XP055900178, ISSN: 0148-7191, Retrieved from the Internet <URL:http://www.ncccoat.com/pdf/improved-engine-performance.pdf>

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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

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