

Title (en)

Method of electroplating wear-resistant coating

Title (de)

Verfahren zur galvanischen Herstellung einer Verschleißschutzbeschichtung

Title (fr)

Procédé de fabrication d'un revêtement anti-usure

Publication

**EP 2851455 B1 20190313 (DE)**

Application

**EP 14179103 A 20140730**

Priority

DE 102013218687 A 20130918

Abstract (en)

[origin: US2015075327A1] Disclosed is process for producing a wear-resistant coating on a component. The process comprises providing an electrolyte which contains Co and/or Ni, dispersing first particles comprising hard material particles and/or slip material particles in the electrolyte, dispersing second particles comprising metal alloy particles in which the metal alloy comprises chromium and aluminum in the electrolyte, providing a component to be coated in a bath of the electrolyte which has first and second particles dispersed therein, and electrodepositing a matrix of Co and/or Ni with incorporated first and second particles on the component. A correspondingly produced wear-resistant coating is also disclosed.

IPC 8 full level

**C25D 3/12** (2006.01); **C25D 3/56** (2006.01); **C25D 5/50** (2006.01); **C25D 15/00** (2006.01)

CPC (source: EP US)

**B22F 1/09** (2022.01 - EP US); **C22C 19/058** (2013.01 - EP US); **C22C 19/07** (2013.01 - EP US); **C22C 27/06** (2013.01 - EP US); **C22C 30/00** (2013.01 - EP US); **C25D 3/12** (2013.01 - EP US); **C25D 3/562** (2013.01 - EP US); **C25D 5/50** (2013.01 - EP US); **C25D 15/00** (2013.01 - EP US); **B22F 2301/052** (2013.01 - US); **B22F 2301/15** (2013.01 - US); **B22F 2301/20** (2013.01 - US); **Y10T 428/12049** (2015.01 - EP US); **Y10T 428/12056** (2015.01 - EP US)

Citation (examination)

- US 2007227299 A1 20071004 - MARCHIANDO ROBERT [US], et al
- US 2012099971 A1 20120426 - BINTZ MATTHEW E [US], et al

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CN110396710A; DE102016221871A1

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

DOCDB simple family (publication)

**EP 2851455 A1 20150325**; **EP 2851455 B1 20190313**; DE 102013218687 A1 20150402; US 10428437 B2 20191001; US 2015075327 A1 20150319

DOCDB simple family (application)

**EP 14179103 A 20140730**; DE 102013218687 A 20130918; US 201414484459 A 20140912