

Title (en)

METHOD FOR PASSIVATING A METAL SURFACE

Title (de)

VERFAHREN ZUR PASSIVIERUNG EINER METALLISCHEN OBERFLÄCHE

Title (fr)

PROCÉDÉ DE PASSIVATION D'UNE SURFACE MÉTALLIQUE

Publication

EP 3129527 B1 20190828 (DE)

Application

EP 15712058 A 20150321

Priority

- DE 102014005444 A 20140411
- EP 2015000622 W 20150321

Abstract (en)

[origin: WO2015154851A1] The invention relates to a method for passivating a metal surface (25) of a light-weight metal part (3), wherein a conversion layer (5) is applied to the surface (25) of the light-weight metal part (3) in a passivation step (P). According to the invention, a passivation step (P) is carried out wherein an aqueous passivation solution is used to create a calcium phosphate-containing conversion layer (5) on the metal surface (25) of the part (3), said conversion layer (5) comprising oxides and hydroxides from the material of the part (3) and from the passivation solution and containing amino acids.

IPC 8 full level

C23C 22/22 (2006.01); **C23C 22/68** (2006.01); **C25D 13/20** (2006.01); **C25D 13/22** (2006.01)

CPC (source: CN EP US)

C23C 22/22 (2013.01 - CN EP US); **C23C 22/68** (2013.01 - CN EP US); **C25D 13/20** (2013.01 - CN EP US); **C25D 13/22** (2013.01 - CN EP US)

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)

DE 102014005444 A1 20151015; CN 106164343 A 20161123; CN 106164343 B 20180911; EP 3129527 A1 20170215; EP 3129527 B1 20190828; ES 2747966 T3 20200312; US 10351959 B2 20190716; US 2017037517 A1 20170209; WO 2015154851 A1 20151015

DOCDB simple family (application)

DE 102014005444 A 20140411; CN 201580018917 A 20150321; EP 15712058 A 20150321; EP 2015000622 W 20150321; ES 15712058 T 20150321; US 201515303376 A 20150321