

Title (en)

CONTINUOUS TRIVALENT CHROMIUM PLATING METHOD

Title (de)

KONTINUERLICHES VERFAHREN ZUR PLATTIERUNG MIT DREIWERTIGEM CHROM

Title (fr)

PROCÉDÉ DE PLACAGE AU CHROME TRIVALENT EN CONTINU

Publication

EP 3106544 A2 20161221 (EN)

Application

EP 15748593 A 20150209

Priority

- CO 14028206 A 20140211
- IB 2015050974 W 20150209

Abstract (en)

This invention belongs to the field of chemistry and metallurgy and it is specifically related to a process for the electrolytic and electrophoretic production of electrochemical coatings with a bath from trivalent decorative chromium solutions on a metal or plastic substrate with trivalent chromium ions, sulfate ions, graphite anodes, hexavalent chromium control and false cathode purifications in a continuous industrial operation.

IPC 8 full level

C25D 3/06 (2006.01)

CPC (source: EP US)

C25D 3/06 (2013.01 - EP US); **C25D 21/12** (2013.01 - EP US); **C25D 21/14** (2013.01 - US); **C25D 21/18** (2013.01 - EP US)

Cited by

WO2020189802A1; WO2018185154A1; EP4170071A1

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 3106544 A2 20161221; **EP 3106544 A4 20170809**; BR 112016018584 A2 20190820; CN 106164340 A 20161123; CO 7190036 A1 20150219; MX 2016010449 A 20170619; RU 2016135556 A 20180315; RU 2016135556 A3 20181029; US 2017167040 A1 20170615; WO 2015121790 A2 20150820; WO 2015121790 A3 20160121

DOCDB simple family (application)

EP 15748593 A 20150209; BR 112016018584 A 20150209; CN 201580019366 A 20150209; CO 14028206 A 20140211; IB 2015050974 W 20150209; MX 2016010449 A 20150209; RU 2016135556 A 20150209; US 201515118460 A 20150209