

Title (en)

METHOD FOR EFFICIENT BLACK CHROMIUM PLATING I

Title (de)

VERFAHREN ZUR EFFIZIENTEN SCHWARZVERCHROMUNG I

Title (fr)

PROCÉDÉ DE CHROMAGE NOIR EFFICACE

Publication

EP 3162919 A1 20170503 (DE)

Application

EP 15003100 A 20151029

Priority

EP 15003100 A 20151029

Abstract (en)

[origin: WO2017071817A1] The invention relates to an improved black chroming especially of automotive parts.

Abstract (de)

Die Erfindung betrifft eine verbesserte Schwarzverchromung bspw. von Autoteilen.

IPC 8 full level

C25D 3/08 (2006.01); **C25D 5/40** (2006.01); **C25D 5/48** (2006.01)

CPC (source: EP US)

C25D 3/08 (2013.01 - EP); **C25D 5/40** (2013.01 - EP); **C25D 5/48** (2013.01 - EP); **C25D 7/00** (2013.01 - EP US); **C25F 1/00** (2013.01 - EP)

Citation (applicant)

EP 1876268 B1 20130515 - FRANZ WOLF-DIETER [DE]

Citation (search report)

- [XYI] US 3511759 A 19700512 - NELSON JOHN B JR
- [X] US 2985567 A 19610523 - LATTI PINKERTON HENRY
- [X] US 3909404 A 19750930 - BOYCOTT WILLIAM A
- [YD] EP 1876268 A1 20080109 - FRANZ WOLF-DIETER [DE]
- [Y] US 2776255 A 19570101 - HAMMOND MILTON B, et al

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 3162919 A1 20170503; EP 3312307 A1 20180425; WO 2017071817 A1 20170504

DOCDB simple family (application)

EP 15003100 A 20151029; EP 17020549 A 20151029; EP 2016025118 W 20161018