

Title (en)

COMPOSITION FOR CHROMIUM PLATING A SUBSTRATE AND CHROMIUM PLATING PROCESS USING SUCH A COMPOSITION

Title (de)

ZUSAMMENSETZUNG ZUM VERCHROMEN EINES SUBSTRATS UND VERCHROMUNGSVERFAHREN UNTER VERWENDUNG EINER SOLCHEN ZUSAMMENSETZUNG

Title (fr)

COMPOSITION POUR LE CHROMAGE D'UN SUBSTRAT ET PROCÉDÉ DE CHROMAGE METTANT EN ?UVRE UNE TELLE COMPOSITION

Publication

EP 3864195 A1 20210818 (FR)

Application

EP 19783073 A 20191011

Priority

- FR 1859485 A 20181012
- EP 2019077573 W 20191011

Abstract (en)

[origin: WO2020074694A1] The invention relates to an aqueous composition for the electrolytic deposition of a chromium coating on the surface of a substrate, which has a pH of between 0 and 1 and which contains a trivalent chromium salt, glycine, an alkali metal salt, an aluminium salt and, optionally, an ammonium salt. The chromium plating process according to the invention comprises the immersion of the substrate to be treated in this composition and the application of a current between this substrate and an anode. This process makes it possible to form a high-quality chromium coating on the entire surface of the substrate.

IPC 8 full level

C25D 3/06 (2006.01); **C25D 3/12** (2006.01)

CPC (source: EP US)

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

Citation (search report)

See references of WO 2020074694A1

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)

WO 2020074694 A1 20200416; EP 3864195 A1 20210818; FR 3087209 A1 20200417; FR 3087209 B1 20221104; US 2021355593 A1 20211118

DOCDB simple family (application)

EP 2019077573 W 20191011; EP 19783073 A 20191011; FR 1859485 A 20181012; US 201917284346 A 20191011