

Title (en)

Process for depositing crack-free, corrosion resistant and hard chromium and chromium alloy layers

Title (de)

Verfahren zur Abscheidung rissfreier, korrosionsbeständiger und harter Chrom- und Chromlegierungsschichten

Title (fr)

Procédé pour la déposition des couches de chrome et d'alliage de chrome, sans fissure, résistantes contre la corrosion et dures

Publication

EP 1798313 B1 20171213 (DE)

Application

EP 06004787 A 20060309

Priority

DE 102005059367 A 20051213

Abstract (en)

[origin: EP1798313A2] Electrolytically coating a surface of a substrate comprises contacting the surface of the substrate with an electrolytic plating composition comprising a source of chromium ions, a mineral acid, a source of halogen oxoanion, an alkylsulfonic acid, and a source of sulfoacetic acid from sulfoacetic acid, a sulfoacetate salt, a sulfoacetate ester, a sulfoacetate anhydride, and a reactant which generates sulfoacetic acid; and supplying an external source of electrons to electrolytically deposit the chromium-based layer onto the surface of the substrate. An independent claim is included for an electrolytic plating composition.

IPC 8 full level

C25D 3/10 (2006.01)

CPC (source: EP KR US)

C25D 3/04 (2013.01 - KR); **C25D 3/10** (2013.01 - EP US)

Cited by

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