

Title (en)

Process for electrolytic deposition from a chrome containing solution

Title (de)

Verfahren zur elektrolytischen Abscheidung aus einer chromhaltigen Lösung

Title (fr)

Procédé de dépôt électrolytique à partir d'une solution contenant de chrome

Publication

EP 1205582 B1 20080820 (DE)

Application

EP 00124672 A 20001111

Priority

EP 00124672 A 20001111

Abstract (en)

[origin: EP1205582A1] Process for decoratively coating metallic materials comprises depositing a chromium alloy from an electrolyte containing chromic acid, sulfuric acid, a metal forming isopolyanions and an organic compound. Independent claims are also included for: an electrolyte for carrying out the process; and a chromium-molybdenum alloy layer deposited by the process. Preferred Features: The metal forming isopolyanions is added to the electrolyte in the form of molybdic acid or molybdenum salts. The molybdic acid is added in an amount of 50-70 g/l. The organic compound is a short chain aliphatic sulfonic acid, its salts and/or halogen derivatives, especially methane sulfonic acid.

IPC 8 full level

C25D 3/56 (2006.01); **C25D 3/10** (2006.01)

CPC (source: EP KR US)

C25D 3/04 (2013.01 - KR); **C25D 3/10** (2013.01 - EP US); **C25D 3/56** (2013.01 - EP US)

Cited by

US7699970B2; WO2004050960A1; US8337687B2; DE102012010315A1; US8110087B2; US8277953B2

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