

Title (en)
PRODUCTION OF STRUCTURED HARD CHROME LAYERS

Title (de)
HERSTELLUNG STRUKTURIERTER HARTCHROMSCHICHTEN

Title (fr)
PRODUCTION DE COUCHES EN CHROME DUR STRUCTUREES

Publication
EP 1565596 B1 20060809 (DE)

Application
EP 03773629 A 20030918

Priority
• DE 10255853 A 20021129
• EP 0310425 W 20030918

Abstract (en)
[origin: WO2004050960A1] A method for the production of a structured hard chrome layer is disclosed, whereby chrome is deposited on a workpiece from an electrolyte comprising: (a) Cr(VI) compounds in an amount corresponding to 50 g/l to 600 g/l of chromic acid anhydride, (b) 0,5 g/l to 10 g/l of sulphuric acid, (c) 1 g/l to 20 g/l of aliphatic sulphonic acids with 1 to 6 carbon atoms and (d) 10 g/l to 200 g/l of at least one compound forming a dense cathode film, selected from ammonium, alkali and earth alkali molybdates, ammonium, alkali and earth alkali vanadates and ammonium, alkali and earth alkali zirconates. The invention further relates to a structured hard chrome layer, obtained by said method and an electrolyte for carrying out the method.

IPC 8 full level
C25D 3/04 (2006.01); **C25D 3/10** (2006.01); **C25D 11/38** (2006.01)

CPC (source: EP US)
C25D 3/10 (2013.01 - EP US); **Y10T 428/12389** (2015.01 - EP US); **Y10T 428/12396** (2015.01 - EP US); **Y10T 428/12486** (2015.01 - EP US); **Y10T 428/12493** (2015.01 - EP US); **Y10T 428/12535** (2015.01 - EP US); **Y10T 428/12778** (2015.01 - EP US); **Y10T 428/12847** (2015.01 - EP US); **Y10T 428/31678** (2015.04 - EP US)

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DE102007038188A1; DE102009028223A1; WO2011014897A1

Designated contracting state (EPC)
DE FR GB IT PT

DOCDB simple family (publication)
WO 2004050960 A1 20040617; AU 2003282018 A1 20040623; BR 0315192 A 20050823; BR PI0315192 B1 20151013; DE 10255853 A1 20040617; DE 50304610 D1 20060921; EP 1565596 A1 20050824; EP 1565596 B1 20060809; JP 2006508243 A 20060309; JP 4373923 B2 20091125; PT 1565596 E 20061229; US 2006054509 A1 20060316; US 2010112376 A1 20100506; US 7699970 B2 20100420; US 8277953 B2 20121002

DOCDB simple family (application)
EP 0310425 W 20030918; AU 2003282018 A 20030918; BR 0315192 A 20030918; DE 10255853 A 20021129; DE 50304610 T 20030918; EP 03773629 A 20030918; JP 2004556080 A 20030918; PT 03773629 T 20030918; US 53666505 A 20050527; US 68389010 A 20100107