

Title (en)  
PRODUCTION OF STRUCTURED HARD CHROME LAYERS

Title (de)  
HERSTELLUNG STRUKTURIERTER HARTCHROMSCHICHTEN

Title (fr)  
PRODUCTION DE COUCHES EN CHROME DUR STRUCTUREES

Publication  
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Application  
**EP 03773629 A 20030918**

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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.

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