

Title (en)

PRODUCTION OF A STRUCTURED HARD CHROMIUM LAYER AND PRODUCTION OF A COATING

Title (de)

HERSTELLUNG EINER STRUKTURIERTEN HARTCHROMSCHICHT UND HERSTELLUNG EINER BESCHICHTUNG

Title (fr)

PRODUCTION D'UNE COUCHE DE CHROME DUR STRUCTUREE ET PRODUCTION D'UN REVETEMENT

Publication

EP 1738000 A2 20070103 (DE)

Application

EP 05700700 A 20050105

Priority

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Abstract (en)

[origin: DE102004019370B3] Production of a structurized hard chrome layer involves deposition on a workpiece from an electrolyte (I) containing (a) chromium(VI) compound in an amount corresponding to 50-300 g/l chromium(VI) oxide, (b) 0.5-10 g/l sulfuric acid and (c) 5-15 g/l 1-6 carbon aliphatic sulfonic acid but no ammonium or alkali(ne earth) molybdate, vanadate or zirconate, operating with a cathodic current yield of 12% or less. Independent claims are also included for the following: (1) the structurized hard chrome layer per se; (2) coating process, involving depositing a structurized hard chrome layer on a workpiece and applying a composition containing epoxide resin and a solid lubricant (II) and/or hard substance (III) to this; (3) the coating per se; (4) electrolyte (I) per se.

IPC 8 full level

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CPC (source: EP US)

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