

Title (en)

CHROMATE TREATMENT OR POSTPASSIVATION WITH STABILISED SOLUTIONS BASED ON Cr (III)/(VI)

Title (de)

CHROMATIERUNG ODER NACHPASSIVIERUNG MIT STABILISIERTEN Cr(III)/Cr(VI)-HALTIGEN LÖSUNGEN

Title (fr)

CHROMATATION OU POSTPASSIVATION AVEC DES SOLUTIONS STABILISEES A BASE DE Cr(III)/Cr(VI)

Publication

EP 1017878 A1 20000712 (DE)

Application

EP 98951353 A 19980905

Priority

- DE 19740248 A 19970912
- EP 9805630 W 19980905

Abstract (en)

[origin: DE19740248A1] An aqueous chromating or post-passivating solution, which contains trivalent and hexavalent chromium and acetate ions, has a pH of 3.9-5.0 and contains 0.1-10 g/l acetate ions. An aqueous chromating or post-passivating solution has a pH of 3.9-5.0, a total chromium content of 0.1-10 g/l, a Cr(III):Cr(VI) ratio of 1:1-4 and an acetate ion content of 0.1-10 g/l. Independent claims are also included for (i) an aqueous concentrate which, on dilution by a factor of 50-2000 with water, gives the above solution; and (ii) a chromating or post-passivating treatment, in which the metal surfaces are contacted for 1-120 secs. with the above solution at 20-60 deg C. Preferred Feature: The solution additionally contains one or more of up to 0.5 g/l fluoride ions, up to 1.0 g/l zirconium and/or titanium compounds, up to 0.5 g/l phosphate ions, up to 0.5 g/l nickel(II) ions and up to 0.5 g/l iron(III) ions.

IPC 1-7

C23C 22/30; **C23C 22/33**; **C23C 22/37**; **C23C 22/38**; **C23C 22/83**

IPC 8 full level

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Citation (search report)

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