

Title (en)

CHROMATE TREATMENT BATH COMPOSITION AND PROCESS FOR APPLICATION TO METALS

Title (de)

BADZUSAMMENSETZUNG FÜR CHROMATBEHANDLUNG UND VERFAHREN ZUR ANWENDUNG BEI METALLEN

Title (fr)

COMPOSITION D'UN BAIN DE TRAITEMENT AU CHROMATE ET PROCEDE D'APPLICATION A DES METAUX

Publication

**EP 0877832 A4 19990224 (EN)**

Application

**EP 96942777 A 19961127**

Priority

- JP 31295195 A 19951130
- US 9618555 W 19961127

Abstract (en)

[origin: WO9721845A2] A chromate treatment bath composition, afforded by the introduction, into an aqueous solution containing hexavalent Cr ions and trivalent Cr ions, of a nonionic-anionic composite surfactant that has an anionic moiety and a nonionic moiety composed of a polyethylene glycol group or a group consisting of an ethylene oxide addition polymer, provides metal surfaces onto which a layer of the composition containing 5 to 150 mg/m<sup>2</sup> of total chromium is dried with a chromate film that has an excellent alkali resistance and water resistance, a high chromium fixing ratio, an excellent corrosion resistance, and an excellent paint film adherence.

IPC 1-7

**C23C 22/30**; **C23C 22/33**

IPC 8 full level

**C23C 22/28** (2006.01); **C23C 22/30** (2006.01); **C23C 22/33** (2006.01); **C23C 22/34** (2006.01); **C23C 22/37** (2006.01); **C23C 22/38** (2006.01); **C23C 22/78** (2006.01)

CPC (source: EP)

**C23C 22/30** (2013.01); **C23C 22/33** (2013.01); **C23C 22/37** (2013.01); **C23C 22/38** (2013.01)

Citation (search report)

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- See references of WO 9721845A2

Designated contracting state (EPC)

AT BE DE ES FR GB LU NL SE

DOCDB simple family (publication)

**WO 9721845 A2 19970619**; **WO 9721845 A3 19970814**; AR 004760 A1 19990310; AU 1160797 A 19970703; BR 9611970 A 19990713; EP 0877832 A2 19981118; EP 0877832 A4 19990224; JP H09157864 A 19970617; TR 199800964 T2 19980821

DOCDB simple family (application)

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