

Title (en)  
PROCESS FOR TREATING ZINCIFEROUS SURFACES

Title (de)  
VERFAHREN ZUR BEHANDLUNG ZINKHALTIGER OBERFLÄCHEN

Title (fr)  
PROCEDE POUR TRAITER DES SURFACES ZINCIFERES

Publication  
**EP 0724488 A1 19960807 (EN)**

Application  
**EP 94927906 A 19940811**

Priority  
• JP 22222993 A 19930814  
• US 9408318 W 19940811

Abstract (en)  
[origin: WO9505247A1] A solid 10-200 mg/m<2>, calculated as chromium metal, film is formed on a zinciferous surface by coating the surface with an acidic aqueous liquid composition that contains hexavalent chromium ions, trivalent chromium ions, at least one of sulfate ions and nitrate ions, and zinc, nickel, cobalt, and/or aluminum ions, in which liquid composition the trivalent chromium ion/hexavalent chromium ion molar ratio is 1/9 to 4/1, the (nitrate + sulfate + phosphate)/(hexavalent chromium ion + trivalent chromium ion) molar ratio is 0.1 to 2.0 and the metal ion/inorganic acid molar ratio is 0.05 to 1, and subsequently drying the applied coating. The chromate film formed has both an excellent resistance to blackening and an excellent resistance to white rust.

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