

Title (en)  
ELECTROPLATED COATING OF ZINC ALLOY WITH EXCELLENT CORROSION RESISTANCE AND PLATED METAL MATERIAL HAVING SAME

Title (de)  
GALVANISCHER ÜBERZUG AUS ZINKLEGIERUNG MIT HERVORRAGENDER KORROSIONSBESTÄNDIGKEIT UND GALVANISCH ÜBERZOGENES METALLMATERIAL DAMIT

Title (fr)  
REVETEMENT ELECTROLYTIQUE D'ALLIAGE DE ZINC PRESENTANT UNE EXCELLENTE RESISTANCE A LA CORROSION ET MATERIAU METALLIQUE PLAQUE COMPRENANT CE DERNIER

Publication  
**EP 1719825 A4 20070718 (EN)**

Application  
**EP 04801681 A 20041207**

Priority  
• JP 2004018535 W 20041207  
• JP 2003410746 A 20031209

Abstract (en)  
[origin: EP1719825A1] Objects of the present invention is to provide a zinc-based alloy electroplated film having a high corrosion resistance comparable to Zn-Cr alloy plating without containing chromium which gives a heavy environmental load, and a plated metal material using the same. The present invention relates to a zinc-based alloy electroplated film excellent in corrosion resistance containing (A) 30 to 96% by weight of zinc, (B) 2 to 20% by weight of an iron-group metal, and (C) 2 to 50% by weight of tungsten.

IPC 8 full level  
**C25D 5/26** (2006.01); **C25D 3/56** (2006.01); **C25D 15/02** (2006.01)

CPC (source: EP US)  
**C25D 3/56** (2013.01 - EP US); **C25D 3/565** (2013.01 - EP US)

Citation (search report)  
• [X] JP S5554588 A 19800421 - NIPPON STEEL CORP  
• See references of WO 2005056883A1

Cited by  
CZ309341B6

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 1719825 A1 20061108; EP 1719825 A4 20070718**; CN 1914357 A 20070214; JP WO2005056883 A1 20071213; US 2008028976 A1 20080207; WO 2005056883 A1 20050623

DOCDB simple family (application)  
**EP 04801681 A 20041207**; CN 200480041498 A 20041207; JP 2004018535 W 20041207; JP 2005516213 A 20041207; US 59630704 A 20041207