

Title (en)
ELECTROLYTIC METHOD FOR PHOSPHATING METAL SURFACES AND PHOSPHATED METAL LAYER

Title (de)
ELEKTROLYTISCHES VERFAHREN ZUM PHOSPHATIEREN VON METALLOBERFLÄCHEN UND DAMIT PHOSPHATIERTE METALLSCHICHT

Title (fr)
PROCEDE ELECTROLYTIQUE DE PHOSPHATAGE DE SURFACES METALLIQUES ET COUCHE METALLIQUE PHOSPHATEE PAR CE PROCEDE

Publication
EP 1675975 A2 20060705 (DE)

Application
EP 04787187 A 20040922

Priority
• EP 2004052269 W 20040922
• DE 10348251 A 20031016

Abstract (en)
[origin: WO2005038095A2] The invention relates to a method for phosphating metal layers by electrodeposition from acidic aqueous solutions containing at least zinc ions and phosphate ions, and by using direct current. Electrodeposition of zinc takes place in the same electrolytes and at the same time as deposition of the phosphating layer. The current density lies in the region of $> A/dm^2 < 2$.

IPC 1-7
C25D 11/36

IPC 8 full level
C25D 3/56 (2006.01); **C25D 11/36** (2006.01)

CPC (source: EP US)
C25D 3/565 (2013.01 - EP US); **C25D 11/36** (2013.01 - EP US)

Citation (search report)
See references of WO 2005038095A2

Designated contracting state (EPC)
AT DE FR IT

DOCDB simple family (publication)
WO 2005038095 A2 20050428; WO 2005038095 A3 20050714; BR PI0415520 A 20061226; CN 1867704 A 20061122; CN 1867704 B 20120314; DE 10348251 A1 20050512; EP 1675975 A2 20060705; JP 2007508457 A 20070405; TR 200601814 T1 20070122; US 2007295608 A1 20071227

DOCDB simple family (application)
EP 2004052269 W 20040922; BR PI0415520 A 20040922; CN 200480030171 A 20040922; DE 10348251 A 20031016; EP 04787187 A 20040922; JP 2006534745 A 20040922; TR 200601814 T 20040922; US 57590704 A 20040922