

Title (en)
PHOSPHATING PROCESS

Title (de)
PHOSPHATIERUNGSVERFAHREN

Title (fr)
PROCEDE DE PHOSPHATATION

Publication
EP 0597131 B1 19980107 (EN)

Application
EP 93911970 A 19930430

Priority
• JP 9300593 W 19930430
• JP 13783392 A 19920430

Abstract (en)
[origin: WO9322481A1] A process for producing a phosphate coating, wherein a sludge, which is an impurity component other than inevitable impurities contained in a phosphating bath, is removed and the object is electrolyzed in order to enhance the capability of chemical conversion coating and provide a high-quality conversion coating. This process serves to form a satisfactory phosphate coating on whatever metallic material and can provide a phosphate coating having a large thickness which has not been available in the prior art.

IPC 1-7
C25D 11/34; **C25D 11/36**

IPC 8 full level
C25D 11/34 (2006.01); **C25D 11/36** (2006.01); **C25D 21/06** (2006.01)

CPC (source: EP)
C25D 11/34 (2013.01); **C25D 11/36** (2013.01); **C25D 21/06** (2013.01)

Citation (examination)
• US 4565585 A 19860121 - MATSUDA SHIGEKI [JP]
• US 5336336 A 19940809 - MATSUDA SHIGEKI [JP]
• Interface Coatings for Polymer Coatings, W.Machu, 1964, pages 128-131

Cited by
US7833404B2; EP1234896A1; KR100491178B1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
WO 9322481 A1 19931111; AU 4271993 A 19931129; AU 663599 B2 19951012; CA 2112592 A1 19931111; CA 2112592 C 20020521; DE 69316160 D1 19980212; DE 69316160 T2 19980806; EP 0597131 A1 19940518; EP 0597131 A4 19950125; EP 0597131 B1 19980107; JP 3060537 B2 20000710; JP H05306497 A 19931119; KR 100261953 B1 20000715

DOCDB simple family (application)
JP 9300593 W 19930430; AU 4271993 A 19930430; CA 2112592 A 19930430; DE 69316160 T 19930430; EP 93911970 A 19930430; JP 13783392 A 19920430; JP 51874293 A 19930430; KR 930704062 A 19931228