Title (en)

PHOSPHATING PROCESS.

Title (de)

PHOSPHATIERUNGSVERFAHREN.

Title (fr)

PROCEDE DE PHOSPHATATION.

Publication

**EP 0597131 A4 19950125 (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 (search report)

- [X] ZANTOUT: "electrochemical acceleration of phosphating processes", TRANSACTIONS OF THE INSTITUTE OF METAL FINISHING, vol. 61, no. 3, 1983, GB, pages 88 - 92
- [X] GABE: "anodic acceleration of phosphating processes", METAL FINISHING, vol. 83, no. 4, April 1985 (1985-04-01), USA, pages 41 - 44
- See references of WO 9322481A1

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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