

Title (en)

AFTER-TREATMENT PROCESS FOR PHOSPHATED METAL SURFACES

Publication

EP 0244022 A3 19890315 (DE)

Application

EP 87200762 A 19870423

Priority

JP 9590986 A 19860426

Abstract (en)

[origin: US4728401A] An improved process for preparing a phosphated metal surface for painting comprises electrolyzing the surface as cathode in an aqueous solution containing hexavalent and trivalent chromium in specified concentrations and weight ratios.

IPC 1-7

C23C 22/83; **C25D 11/38**

IPC 8 full level

B05D 3/10 (2006.01); **B05D 7/14** (2006.01); **C23C 22/24** (2006.01); **C23C 22/83** (2006.01); **C25D 11/38** (2006.01)

CPC (source: EP US)

C23C 22/83 (2013.01 - EP US); **C25D 11/38** (2013.01 - EP US)

Citation (search report)

- [A] GB 988985 A 19650414 - PYRENE CO LTD
- [A] FR 1303317 A 19620907 - AMCHEM S A
- [A] FR 84488 E 19650219 - AMCHEM S A
- [A] US 3296100 A 19670103 - SHIGERU YONEZAKI, et al
- [AP] EP 0224065 A1 19870603 - NIHON PARKERIZING [JP]

Cited by

US5472522A; WO9319224A1

Designated contracting state (EPC)

AT BE CH DE ES FR IT LI NL SE

DOCDB simple family (publication)

US 4728401 A 19880301; AU 586331 B2 19890706; AU 7195187 A 19871029; CA 1314511 C 19930316; DE 3713426 A1 19871029; EP 0244022 A2 19871104; EP 0244022 A3 19890315; JP H0633465 B2 19940502; JP S62254880 A 19871106; PT 84762 A 19870501; PT 84762 B 19891229

DOCDB simple family (application)

US 4043287 A 19870420; AU 7195187 A 19870424; CA 535132 A 19870421; DE 3713426 A 19870422; EP 87200762 A 19870423; JP 9590986 A 19860426; PT 8476287 A 19870424