

Title (en)

PROCESS FOR PHOSPHATING METAL SURFACES

Publication

**EP 0201841 B1 19911016 (DE)**

Application

**EP 86106161 A 19860506**

Priority

JP 9927885 A 19850510

Abstract (en)

[origin: EP0201841A2] A solution for conditioning a metal surface before phosphate conversion coating processes comprises metallic titanium, pyrophosphate and water soluble anionic organic compound.

IPC 1-7

**C23C 22/80**

IPC 8 full level

**C23C 22/80** (2006.01)

CPC (source: EP)

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Cited by

EP0340529A1; EP0972862A3; EP0339452A3; WO9531588A1

Designated contracting state (EPC)

AT BE DE FR IT NL SE

DOCDB simple family (publication)

**EP 0201841 A2 19861120; EP 0201841 A3 19880810; EP 0201841 B1 19911016;** AT E68532 T1 19911115; AU 5672986 A 19861113; BR 8602096 A 19870113; DE 3615294 A1 19861113; DE 3681958 D1 19911121; GB 2174719 A 19861112; GB 2174719 B 19890504; GB 8611556 D0 19860618; JP H0338343 B2 19910610; JP S61257481 A 19861114

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**EP 86106161 A 19860506;** AT 86106161 T 19860506; AU 5672986 A 19860424; BR 8602096 A 19860509; DE 3615294 A 19860506; DE 3681958 T 19860506; GB 8611556 A 19860512; JP 9927885 A 19850510