

Title (en)

PROCESS FOR PHOSPHATING METAL SURFACES

Publication

EP 0069950 B1 19851023 (DE)

Application

EP 82105960 A 19820703

Priority

US 28248081 A 19810713

Abstract (en)

[origin: ES8305051A1] An aqueous acidic zinc phosphate coating composition for treating a metal surface to provide a conversion coating thereon, the composition comprising chlorate anion and an aromatic nitro anion in a weight ratio of less than 2:1 to about 1:10.

IPC 1-7

C23C 22/12; **C23C 22/26**; **C23C 22/50**; **C23C 22/66**

IPC 8 full level

C09D 1/00 (2006.01); **C23C 22/14** (2006.01); **C23C 22/17** (2006.01); **C23C 22/34** (2006.01); **C23C 22/36** (2006.01); **C23F 11/16** (2006.01)

CPC (source: EP KR US)

C23C 22/14 (2013.01 - EP US); **C23C 22/362** (2013.01 - EP US); **C23F 11/16** (2013.01 - KR)

Cited by

GB2196024A; EP0155547A1; EP0111223A1; US4708744A; EP0121274A1; EP0261704A1; US4849031A; EP0141341A1; WO8606276A1; WO8604931A1; WO8605094A1

Designated contracting state (EPC)

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EP 0069950 A1 19830119; **EP 0069950 B1 19851023**; AU 549517 B2 19860130; AU 8495282 A 19830120; BR 8204044 A 19830705; CA 1200471 A 19860211; DE 3224923 A1 19830217; DE 3267010 D1 19851128; ES 513841 A0 19830401; ES 8305051 A1 19830401; GB 2102839 A 19830209; JP H0331790 B2 19910508; JP S5819481 A 19830204; KR 840000670 A 19840225; KR 890001036 B1 19890420; MX 157371 A 19881118; PH 19127 A 19860108; PT 75220 A 19820801; PT 75220 B 19840723; US 4498935 A 19850212; ZA 824588 B 19830525

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EP 82105960 A 19820703; AU 8495282 A 19820617; BR 8204044 A 19820712; CA 405302 A 19820616; DE 3224923 A 19820703; DE 3267010 T 19820703; ES 513841 A 19820709; GB 8219750 A 19820708; JP 12194982 A 19820713; KR 820003103 A 19820712; MX 19357982 A 19820713; PH 27500 A 19820625; PT 7522082 A 19820709; US 28248081 A 19810713; ZA 824588 A 19820628