

Title (en)
PROCESS FOR PHOSPHATIZING METALS

Publication
EP 0154367 B1 19880914 (DE)

Application
EP 85200192 A 19850215

Priority
DE 3408577 A 19840309

Abstract (en)
[origin: ES8602152A1] A spray phosphating process, esp. for (galvanised) steel, employs a phosphating soln. contg. 0.2-0.5 g/l Zn 2+, 0-1 g/l Ni 2+, 8-20 g/l P2O5, 0.05-0.2 g/l NO2- and/or 0.1-1 g/l nitrobenzene sulphonate, and one or more activators selected from formate, nitrilotriacetate, trichloroacetate and ethylene diamine tetraacetate. - The soln. pref. also contains one or more further activators selected from fluoride, hexafluorosilicate, tetrafluoroborate, glycolate, citrate, tartrate and condensed phosphate.
[origin: ES8602152A1] A spray phosphating process, esp. for (galvanised) steel, employs a phosphating soln. contg. 0.2-0.5 g/l Zn 2+, 0-1 g/l Ni 2+, 8-20 g/l P2O5, 0.05-0.2 g/l NO2- and/or 0.1-1 g/l nitrobenzene sulphonate, and one or more activators selected from formate, nitrilotriacetate, trichloroacetate and ethylene diamine tetraacetate. - The soln. pref. also contains one or more further activators selected from fluoride, hexafluorosilicate, tetrafluoroborate, glycolate, citrate, tartrate and condensed phosphate.

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C23C 22/17; **C23C 22/36**; **C23C 22/23**

IPC 8 full level
C23C 22/17 (2006.01); **C23C 22/23** (2006.01); **C23C 22/36** (2006.01)

CPC (source: EP US)
C23C 22/17 (2013.01 - EP US); **C23C 22/23** (2013.01 - EP US); **C23C 22/362** (2013.01 - EP US)

Cited by
GB2196024A; US5919318A; EP0399425A1; EP0361375A1; AU617870B2; EP0369616A3; US5039563A; GB2208876A; GB2208876B; WO9532319A1

Designated contracting state (EPC)
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