

Title (en)

METHOD OF APPLYING PHOSPHATE COATINGS

Publication

EP 0036689 B1 19840704 (DE)

Application

EP 81200285 A 19810313

Priority

GB 8009621 A 19800321

Abstract (en)

[origin: EP0036689A1] Phosphate coatings can be formed on iron, aluminium or zinc surfaces by spraying at low temperature with a phosphating solution containing zinc, phosphate, manganese and an oxidising accelerator comprising sodium nitrobenzene sulphonate and chlorate. The solution may also contain nickel, a borofluoride and an alpha-hydroxy aliphatic acid e.g. tartaric acid, or a salt thereof. Nitrate may also be included as an additional oxidising accelerator. The pH of the solution is preferably in the range 3-5.

IPC 1-7

C23F 7/10; C23F 7/12; C23F 7/14

IPC 8 full level

C23C 22/18 (2006.01); **C23C 22/36** (2006.01)

CPC (source: EP)

C23C 22/182 (2013.01); **C23C 22/184** (2013.01); **C23C 22/364** (2013.01)

Cited by

EP0135622A1; EP0111223A1; EP0060716A1; US5792283A; EP0269138A1; GB2203453A; GB2203453B; EP0106459A1; WO9813535A1; WO9730189A1

Designated contracting state (EPC)

AT BE CH DE FR LI NL SE

DOCDB simple family (publication)

EP 0036689 A1 19810930; EP 0036689 B1 19840704; AT E8277 T1 19840715; BR 8101682 A 19810922; DE 3164514 D1 19840809; ES 501134 A0 19820816; ES 8205878 A1 19820816; GB 2072225 A 19810930; GB 2072225 B 19831102; JP S56142872 A 19811107; PH 17558 A 19840927; PT 72709 A 19810401; PT 72709 B 19820324

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