

Title (en)
IMPROVED SURFACE TREATMENT FOR ZINCIFEROUS SURFACES

Publication
EP 0391442 B1 19931006 (EN)

Application
EP 90106675 A 19900406

Priority
JP 8941589 A 19890407

Abstract (en)
[origin: EP0391442A1] Zinciferous surfaces, particularly those of galvanized steel, may be effectively protected against corrosion, either as treated or after painting, while remaining easy to weld, by contact with an aqueous solution containing chromium in both +6 and +3 valence states, phosphate, a tertiary alcohol or similar oxidation stable, water soluble organic compound as a wetting agent, and a silane coupling agent, followed by drying with a film from the solution still in place on the surface. A thin coating containing 10 - 200 mg/m² of chromium is formed on the surface to provide a protective layer that is also an excellent base for paint.

IPC 1-7
C23C 22/38

IPC 8 full level
C23C 22/26 (2006.01); **C23C 22/30** (2006.01); **C23C 22/33** (2006.01); **C23C 22/38** (2006.01)

CPC (source: EP KR)
C23C 22/30 (2013.01 - KR); **C23C 22/38** (2013.01 - EP); **C23C 2222/20** (2013.01 - EP)

Cited by
US5091023A; US6749952B2; EP1002889A3; EP1024905A4; EP1585847A4; EP0485972A1; US5304401A; EP0479289A1; US5230750A; AU724978B2; EP1585848A4; WO2004065642A2; WO03054249A1; WO9105078A1; WO9914398A1; US6361622B1; USRE40406E; WO9914399A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0391442 A1 19901010; EP 0391442 B1 19931006; AT E95575 T1 19931015; DE 69003716 D1 19931111; DE 69003716 T2 19940217; DK 0391442 T3 19931220; ES 2045616 T3 19940116; JP H02267277 A 19901101; JP H0753911 B2 19950607; KR 900016497 A 19901113; KR 930007389 B1 19930809; NZ 233236 A 19920526; ZA 902660 B 19910130

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EP 90106675 A 19900406; AT 90106675 T 19900406; DE 69003716 T 19900406; DK 90106675 T 19900406; ES 90106675 T 19900406; JP 8941589 A 19890407; KR 900004800 A 19900407; NZ 23323690 A 19900406; ZA 902660 A 19900405