

Title (en)
Improved surface treatment for zinciferous surfaces.

Title (de)
Oberflächenbehandlung für zinkhaltige Oberflächen.

Title (fr)
Traitement de surface pour surfaces zincifères.

Publication
EP 0391442 A1 19901010 (EN)

Application
EP 90106675 A 19900406

Priority
JP 8941589 A 19890407

Abstract (en)
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)

Citation (search report)
• [A] GB 2180263 A 19870325 - NIHON PARKERIZING
• PATENT ABSTRACTS OF JAPAN, unexamined applications, C section, vol. 11, no. 290, September 18, 1987 THE PATENT OFFICE JAPANESE GOVERNMENT page 50 C 447 & JP - A - 62 - 83 478 (SUMITOMO METAL IND LTD)
• PATENT ABSTRACTS OF JAPAN, unexamined applications, C section, vol. 7, no. 97, April 23, 1983 THE PATENT OFFICE JAPANESE GOVERNMENT page 76 C 163 & JP - A - 58 - 22 383 (N ITSUSHIN SEIKOU KK)

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