

Title (en)

CHROMIUM-FREE CORROSION PROTECTION AGENT AND METHOD FOR PROVIDING CORROSION PROTECTION

Title (de)

CHROMFREIES KORROSIONSSCHUTZMITTEL UND KORROSIONSSCHUTZVERFAHREN

Title (fr)

AGENT ANTICORROSION EXEMPT DE CHROME ET PROCEDE DE PROTECTION CONTRE LA CORROSION

Publication

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Application

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Priority

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Abstract (en)

[origin: DE19754108A1] The invention relates to a chromium-free aqueous corrosion protection agent for treating galvanised or alloy galvanised steel surfaces or aluminium surfaces. Said agent contains the following essential constituents: a) 0.5 to 10 g/l hexafluoro-anions of titanium (IV) and/or zircon (IV), b) 5 to 15 g/l vanadium ions, c) 0.5 to 2 g/l transition metal ions, preferably Mn, Fe, Co, d) 30 to 150 g/l phosphoric acid and/or phosphonic acid. The inventive corrosion protection agent preferably also contains an organic film former, especially with a polyacrylate base; and a conductivity pigment. The agent is particularly suitable for treating metal strips in order to protect them against corrosion, with or without subsequent painting, and is preferably applied in such a way as to produce a dry layer coating of 0.5 to 5 g/m<sup>2</sup> on the surface.

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**C23C 22/00**

IPC 8 full level

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