

Title (en)

METHOD OF TREATING METAL SURFACES WITH AN AQUEOUS COMPOSITION AND AQUEOUS COMPOSITION

Title (de)

VERFAHREN ZUR BEHANDLUNG VON METALLOBERFLÄCHEN MIT EINER WÄSSRIGEN ZUSAMMENSETZUNG SOWIE WÄSSRIGE ZUSAMMENSETZUNG

Title (fr)

PROCÉ?DÉ? DE TRAITEMENT DE SURFACES MÉ?TALLIQUES AU MOYEN D'UNE COMPOSITION AQUEUSE ET COMPOSITION AQUEUSE

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Application

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Abstract (en)

The invention relates to a method of treating a metal surface of iron or iron alloy using an aqueous composition for imparting corrosion resistance and bonding properties, as well as to the aqueous composition. The aqueous composition consists of: wherein the molar ratio of Cr 3+ to : F - ranges from 0.25-0.4, and wherein the pH ranges from 2.0-4.4.

IPC 8 full level

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Citation (search report)

- [I] EP 0111897 A1 19840627 - COLLARDIN GMBH GERHARD [DE]
- [A] EP 0337411 A2 19891018 - UNILEVER NV [NL], et al
- [A] US 2005103229 A1 20050519 - TANAKA KAZUYA [JP], et al
- [A] US 2011100513 A1 20110505 - SCHLOSSER TED M [US], et al

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