

Title (en)

Process of repairing steel surfaces on flat and/or structured press plates or endless bands

Title (de)

Reparaturverfahren für strukturierte und/oder glatte Stahloberflächen auf Endlosbändern oder Pressblechen

Title (fr)

Procédé de réparation de surfaces planes et/ou structurées en acier sur des plaques de compression ou des bandes sans fin

Publication

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Application

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Priority

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Abstract (en)

[origin: EP1298232A1] Process for improving smaller surface damage in large pressing plate or an endless strip made from sheet steel having structured surface comprises micro-galvanizing damaged surface using iron-containing electrolyte solution containing metal ions to form coating of iron, nickel and/or chromium ions. Mixing ratio of metal ions in solution is based on base material of pressing plate or endless strip. <??>An Independent claim is also included for a micro-galvanizing device for carrying out the above process. <??>Preferred Features: The electrolyte solution contains iron (II) (Fe<2+>) and iron (III) (Fe<3+>) in a ratio of 2: 1. The damaged surface is treated using an electrode. After structuring, a repair process is carried out involving etching and mechanical polishing. The damaged surface is nickel-plated before further treatment.

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IPC 8 full level

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CPC (source: EP US)

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