Title (en)

ELECTROPLATING SOLUTIONS FOR THE PREPARATION OF TERNARY TIN ZINC COBALT ALLOY LAYERS

Title (de)

GALVANISCHE ELEKTROLYTBÄDER ZUR ERZEUGUNG VON TERNÄREN ZINN-ZINK-KOBALT LEGIERUNGSSCHICHTEN

Title (fr)

BAINS DE GALVANISATION PERMETTANTS DE FORMER DES COUCHES D'ALLIAGE TERNAIRE ETAIN-ZINC-COBALT

Publication

**EP 1319093 A2 20030618 (DE)**

Application

**EP 01969597 A 20010816**

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Abstract (en)

[origin: WO0222913A2] The invention relates to ternary tin zinc alloy coatings 30 - 65 wt. % tin, 30 - 65 wt. % zinc and 0.1 - 15 wt . % metal from the following group as a third alloy component; iron, cobalt, nickel. Correspondingly, alloy coatings can be produced by means of electrolytic deposition from aqueous galvanic electroplating solutions which contain the components of the alloy in a dissolved form. The alloy coatings are characterised in that they have a particularly high resistance to corrosion and are particularly suitable as anti-corrosion protective coatings on iron-based materials.

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IPC 8 full level

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CPC (source: EP US)

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