

Title (en)

Zn-Ni ALLOY PLATING SOLUTION BASED ON CHLORIDE BATH.

Title (de)

PLATTIERUNGSLÖSUNG FÜR EINE ZN-NI-LEGIERUNG AUF BASIS EINES CHLORIDBADES.

Title (fr)

SOLUTION DE PLACAGE EN ALLIAGE DE Zn-Ni A BASE D'UN BAIN DE CHLORURE.

Publication

**EP 0147463 A4 19860415 (EN)**

Application

**EP 83901938 A 19830617**

Priority

JP 8300196 W 19830617

Abstract (en)

[origin: WO8500045A1] A Zn-Ni alloy electroplating solution for obtaining Zn-Ni alloy-electroplated steel with excellent surface appearance, which contains ZnCl<sub>2</sub> and NiCl<sub>2</sub> as major components. In the solution, the percentage molar concentration, x (%), of Ni<sup>2+</sup>/Ni<sup>2+</sup> + Zn<sup>2+</sup> and the concentration of chloride (at least one chloride selected from the group consisting of AlCl<sub>3</sub>, NH<sub>4</sub>AlCl<sub>4</sub>, NH<sub>4</sub>Cl, KCl, NaCl, CaCl<sub>2</sub>, BaCl<sub>2</sub>, and MgCl<sub>2</sub>), y (mol/liter), are kept within the following ranges:

IPC 1-7

**C25D 3/56**

IPC 8 full level

**B62D 5/08** (2006.01); **C25D 3/56** (2006.01)

CPC (source: EP)

**C25D 3/565** (2013.01)

Citation (search report)

- No relevant documents have been disclosed
- See references of WO 8500045A1

Cited by

EP0162322A3; GB2321647A; US5985124A; GB2321647B; EP1914420B1

Designated contracting state (EPC)

DE FR GB

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**JP 8300196 W 19830617**; EP 83901938 A 19830617; JP 50182884 A 19840504