

Title (en)

SOLUTION FOR USE IN THE ELECTROLYTIC DEPOSITION OF ZINC OR ZINC-ALLOY COATINGS

Title (de)

LÖSUNG ZUM ELEKTROLYTISCHEN ABSCHIEDEN VON ZINK- ODER ZINKLEGIERUNGSÜBERZÜGEN

Title (fr)

SOLUTION POUR DEPOSER PAR ELECTROLYSE DES REVETEMENTS DE ZINC OU D'ALLIAGE DE ZINC

Publication

EP 0815291 B1 19990428 (DE)

Application

EP 96907440 A 19960311

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- EP 9601048 W 19960311

Abstract (en)

[origin: WO9628590A1] The invention concerns an aqueous alkaline cyanide-free solution for use in the electrolytic deposition of lustrous and blister-free zinc or zinc-alloy coatings of uniform layer thickness on substrate surfaces. Electrolytic zinc- or zinc-alloy baths are used for depositing zinc or zinc-alloy coatings. The layers are partly decorative and for that reason the layers must have an even lustre across a wide current density range. However, sufficiently uniform layer thicknesses cannot be obtained on complex workpiece surfaces with sharp-edged structures and concave surface regions, and zinc and zinc-alloy layers deposited on such workpieces tend in addition to be more prone to blistering. These disadvantages are eliminated by a coating solution containing, in addition to the normal bath components, diallyl ammonium-sulphur dioxide copolymers of general structural formula (I) shown, and/or diallyldimethyl ammonium monomers.

IPC 1-7

C25D 3/22; **C25D 3/56**

IPC 8 full level

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CPC (source: EP KR)

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