

Title (en)
CYANIDE-FREE AQUEOUS ALKALINE BATH USED FOR THE GALVANIC APPLICATION OF ZINC OR ZINC-ALLOY COATINGS

Title (de)
WÄSSRIGES ALKALISCHES CYANIDFREIES BAD ZUR GALVANISCHEN ABSCHIEDUNG VON ZINK- ODER ZINKLEGIERUNGSÜBERZÜGEN

Title (fr)
BAIN ALCALIN AQUEUX EXEMPT DE CYANURE S'UTILISANT POUR LE DEPOT PAR GALVANISATION DE REVETEMENTS EN ZINC OU EN ALLIAGE DE ZINC

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Abstract (en)
[origin: US6652728B1] An aqueous alkaline cyanide-free bath for the galvanic deposition of zinc or zinc alloy coatings on substrate surfaces is described, which contains in addition to a source of zinc ions and optionally a source of further metal ions, also hydroxide ions and a polymer of the general formula A that is soluble in the bath as well as optionally conventional additives. The bath may furthermore contain a quaternary derivative of a pyridine-3-carboxylic acid of the formula B and/or a quaternary derivative of a pyridine-3-carboxylic acid of the formula CA process for the galvanic deposition of zinc coatings and zinc alloy coatings using the aforescribed bath is also described. By using the baths according to the invention it is possible to produce coatings that exhibit a uniform layer thickness combined with a high gloss, and which do not exhibit any tendency to exfoliate.

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C25D 3/22 (2013.01 - EP US); **C25D 3/565** (2013.01 - EP US)

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Cited by
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