

Title (en)

IMPROVEMENTS IN OR RELATING TO THE ELECTRODEPOSITION OF ZINC OR ZINC ALLOY COATINGS.

Title (de)

ELEKTROPLATTIERUNG VON ZINK- ODER ZINKLEGIERUNGSBESCHICHTUNGEN.

Title (fr)

AMELIORATIONS RELATIVES AU DEPOT ELECTROLYTIQUE DE REVETEMENTS EN ZINC OU EN ALLIAGE DE ZINC.

Publication

EP 0493479 B1 19940427

Application

EP 90914540 A 19900918

Priority

- GB 8921439 A 19890922
- GB 9001433 W 19900918

Abstract (en)

[origin: WO9104359A1] A method for the electrodeposition onto a substrate of a coating of zinc and/or a zinc alloy which method comprises immersing in an electrolyte which contains ferrous ions and zinc ions at a pH of below 1.0, a non-consumable anode which is resistant to corrosion by ferric ions and the substrate which acts as the cathode, passing an electric current therebetween, the reaction at the anode comprising the conversion of ferrous ions to ferric ions, and concurrently with or after the electrodeposition passing the electrolyte to one or more regenerating tanks comprising metallic iron and/or metallic zinc as feedstock, the rate of dissolution of the feedstock being dependent upon the concentration of ferric ions in solution.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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Citation (examination)

- PATENT ABSTRACTS OF JAPAN vol. 011, no. 185 (C - 428)<2632> 13 June 1987 (1987-06-13)
- PATENT ABSTRACTS OF JAPAN vol. 007, no. 273 (C - 198)<1418> 6 December 1983 (1983-12-06)
- PATENT ABSTRACTS OF JAPAN vol. 012, no. 122 (C - 488)<2969> 15 April 1988 (1988-04-15)

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