

Title (en)

Pyrophosphate-containing bath for cyanide-free electroplating of copper- tin alloys

Title (de)

Pyrophosphathaltiges Bad zur cyanidfreien Abscheidung von Kupfer-Zinn-Legierungen

Title (fr)

Bain contenant du pyrophosphate destiné au dépôt électrolytique d'alliages cuivre-étain sans cyanure

Publication

**EP 2130948 B1 20101222 (DE)**

Application

**EP 08010058 A 20080602**

Priority

EP 08010058 A 20080602

Abstract (en)

[origin: EP2130948A1] Pyrophosphate containing bath (I) comprises a reaction product of a secondary monoamine with a diglycidyl ether, where the secondary monoamine is morpholine and the diglycidyl ether is glycerol diglycidyl ether, poly(propyleneglycol)diglycidylether, and/or poly(ethyleneglycol)diglycidylether. Independent claims are included for: (1) the galvanic separation of brightener and copper-tin-alloy coatings comprising contacting a substrate to be coated and an aqueous cyanide free (I) and separating the copper-tin-alloy coating on the substrate; and (2) the reaction product.

IPC 8 full level

**C25D 3/58** (2006.01); **C25D 3/60** (2006.01)

CPC (source: EP KR US)

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Cited by

US8262895B2; US8268157B2; US2011220513A1; US2011220514A1; EP2366686A3; DE102012218134B4

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DOCDB simple family (publication)

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