

Title (en)

Electrolytic process for coating a metal element with a layer of brass

Title (de)

Elektrolytisches Verfahren zur Beschichtung eines Metallelements mit Messung

Title (fr)

Procédé de revêtement électrolytique d'un élément métallique avec une couche de laiton

Publication

EP 0752484 A1 19970108 (EN)

Application

EP 96201786 A 19960627

Priority

IT MI951457 A 19950707

Abstract (en)

A process for electrolytic codeposition of copper and zinc on a metal element wherein the electrolytic bath consists of an aqueous solution of at least a bivalent copper salt, at least a zinc salt and an alkali pyrophosphate, and an amino acid compound of formula <CHEM> wherein Y, R1, and R2 have the meanings shown in the description, or an acid-addition salt of said amino acid compound, at a temperature of from 40 DEG C to 55 DEG C.

IPC 1-7

C25D 3/58

IPC 8 full level

C25D 3/58 (2006.01)

CPC (source: EP)

C25D 3/58 (2013.01); **D07B 1/0666** (2013.01); **D07B 2205/3089** (2013.01)

C-Set (source: EP)

D07B 2205/3089 + **D07B 2801/18**

Citation (search report)

- [A] US 5100517 A 19920331 - STARINSHAK THOMAS W [US], et al
- [X] DATABASE WPI Week 8839, Derwent World Patents Index; AN 88276038, XP002002660, "bright copper-zinc alloy electroplating bath"

Cited by

EP2405034A4; EP2287365A4; US2010243466A1; EP1535515A4; US7297349B2; WO03012174A1; JP2009127097A; EP2218804A4

Designated contracting state (EPC)

AT BE DE ES FR GB IT LU NL PT SE

DOCDB simple family (publication)

EP 0752484 A1 19970108; EP 0752484 B1 19990818; AT E183558 T1 19990915; DE 69603799 D1 19990923; DE 69603799 T2 20000302; ES 2137621 T3 19991216; IT 1275490 B 19970807; IT MI951457 A0 19950707; IT MI951457 A1 19970107; SI 0752484 T1 19991231

DOCDB simple family (application)

EP 96201786 A 19960627; AT 96201786 T 19960627; DE 69603799 T 19960627; ES 96201786 T 19960627; IT MI951457 A 19950707; SI 9630096 T 19960627