

Title (en)  
Method of electroplating.

Title (de)  
Verfahren zur galvanischen Verzinnung.

Title (fr)  
Procédé d'étamage électrolytique.

Publication  
**EP 0550002 A1 19930707 (EN)**

Application  
**EP 92121830 A 19921222**

Priority  
• JP 36008091 A 19911226  
• JP 36008191 A 19911226

Abstract (en)  
The method of electroplating comprises the steps of:(a) forming a tin plating layer on surface of metallic material (3) by applying direct current between an insoluble anode (6)(6') and the metallic material (3) which are placed in the electroplating tank (1);(b) applying direct current between the anode (8) and the cathode (9) which are placed in the electrolytic tank (7);(c) controlling a tin deposition rate onto the cathode of the electrolytic tank to keep lower than a metallic tin dissolving rate of the anode, a dissolved tin ion being fed to the electroplating solution in the electrolytic tank by suppressing a tin deposition reaction and by enhancing a reducing reaction of hydrogen generation on the cathode; and(d) supplying the electroplating solution supplied with the tin ion at the electrolytic tank to the electroplating solution in the electroplating tank.

IPC 1-7  
**C25D 3/30**; **C25D 21/14**

IPC 8 full level  
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CPC (source: EP)  
**C25D 3/30** (2013.01); **C25D 21/14** (2013.01)

Citation (search report)  
• [X] EP 0268823 A2 19880601 - HOOGOVENS GROEP BV [NL]  
• [A] GB 569447 A 19450524 - METAL & THERMIT CORP

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CN112111762A; EP1085111A1; GB2383337A; US7931760B2; EP1207219A1

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