

Title (en)

Process and apparatus for the deposition of bearing alloys.

Title (de)

Verfahren und Vorrichtung zum Aufbringen von Gleitlager-Legierungen.

Title (fr)

Procédé et appareillage pour le dépôt des alliages de friction.

Publication

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Application

EP 87201324 A 19870713

Priority

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Abstract (en)

A process and apparatus is described for the electro-deposition of an overlay alloy onto a bearing alloy surface (14). The process comprises the steps of cleaning the surface, providing relative motion between the surface to be plated and a porous pad (52) in contact with said surface, providing a flow of plating solution to the porous pad and said surface whilst applying a voltage difference between said surface which is cathodic during overlay deposition and an anode (51) connected to the porous pad. An example of the deposition of a tin-based overlay alloy containing cobalt is described.

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C25D 5/06; **C25D 7/10**

IPC 8 full level

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Citation (search report)

- [X] GB 2102836 A 19830209 - IMP CLEVITE INC [US]
- [X] GB 760016 A 19561031 - GLACIER CO LTD
- [X] DE 3312905 A1 19841031 - BATTELLE DEVELOPMENT CORP [US]

Cited by

DE19500727C1; CN110813657A; US6447668B1; US7136173B2; US6391166B1; WO2004007809A3; WO9941434A3; US7174637B2; US7455458B2; US6395152B1; US6440295B1; US6837984B2; US6749728B2; US6495007B2; US6248222B1

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