

Title (en)

Electroforming method for producing objects with a high degree of accuracy

Title (de)

Elektroformungsverfahren zur Herstellung von Gegenständen mit hoher Genauigkeit

Title (fr)

Procédé d'électroformage pour la fabrication d'objets avec un haut degré de précision

Publication

EP 1568803 A2 20050831 (EN)

Application

EP 05075356 A 20050210

Priority

NL 1025582 A 20040226

Abstract (en)

The present invention provides a method for producing, by electroplating, a metal object which has at least one continuous opening, which opening is delimited by metal dykes (16). Instead of applying complete islands of electrically insulating material to the electroforming die (10), only a boundary (20) of electrically insulating material is applied, this boundary corresponding to the periphery of the opening that is to be formed in the product. Therefore, a part (22) of the electroforming die is also uncovered within the boundary (20). During the deposition of metal from an electroplating bath on the uncovered electrically conductive parts (14, 22) of the die, metal overgrowth takes place over the boundary (22), with the result that the periphery of the opening that is to be formed is accurately defined. The metal growth (24) which has grown from the central region (22) is removed from the semi-finished product in order to produce the finished product with a continuous opening.

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C25D 1/08

IPC 8 full level

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CPC (source: EP)

C25D 1/08 (2013.01)

Citation (applicant)

- JP H02267293 A 19901101 - SEIKO EPSON CORP
- JP H09260241 A 19971003 - TOSHIBA CORP

Cited by

NL1030861C2; NL1031259C2

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