

Title (en)

ELECTROFORMING METHOD, ELECTROFORMING MANDREL AND ELECTROFORMED PRODUCT

Title (de)

ELEKTROFORMUNGSVERFAHREN, FORM FÜR DIE ELEKTROFORMUNG UND ELEKTROFORMIERTES PRODUKT

Title (fr)

PROCEDE ET MATRICE D'ELECTROFORMAGE ET PRODUIT AINSI OBTENU

Publication

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Application

**EP 97917482 A 19970418**

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Abstract (en)

[origin: WO9740213A1] In an electroforming method for making metal products (10) having a pattern of openings (9) separated by dykes (8) using a mandrel in an electroplating bath, metal from the bath is deposited on at least two electrically mutually insulated regions. Said regions comprise at least one main pattern (3) for product dykes (8) to be formed, which main pattern (3) is electrically insulated from at least one ancillary pattern (5) for a reinforcement (7) to be formed. In the method according to the invention, first the ancillary pattern (5) is connected to a current source in order to form reinforcement (7) thereon and in order to effect an electrical connection between the ancillary pattern (5) and the main pattern (3) by means of the growing metal. During the continuation of the method, reinforcement (7) is thickened and the product dykes (8) are formed. A strong product having different thicknesses is therefore obtained in one step. A mandrel suitable for use in the method is also described.

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