

Title (en)

METHOD FOR EXTRACTING A TOOL FROM A HOLLOW OBJECT AND TOOL FOR MACHINING A HOLLOW OBJECT

Title (de)

VERFAHREN ZUM ENTFORMEN EINES WERKZEUGES AUS EINEM HOHLEN GEGENSTAND UND WERKZEUG ZUM BEARBEITEN EINES HOHLEN GEGENSTANDES

Title (fr)

PROCEDE POUR EXTRAIRE UN OUTIL D'UN OBJET CREUX, ET OUTIL POUR L'USINAGE D'UN OBJET CREUX

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Application

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Abstract (en)

[origin: US6684678B1] The invention relates to a method for extracting a die (4) from a hollow object (11) having several grooves (16, 17) arranged opposite one another on the surface of the inner sheath whereby the longitudinal axes thereof extend crosswise relative to the corresponding longitudinal central planes (i.e. cross-grooves), whereby said die (4) is part of a tool (10) having a matrix (1) for forming the hollow object (11) and several other die segments (9a, 9b) arranged opposite one another relative to the central axis (2) thereof. Each of said die segments has an outer ridge (21a, 21b); in order to form the hollow object, said die segments (9a, 9b) are expanded into a working position, whereby the ridges (21a, 21b) are fitted into corresponding grooves (16, 17), and extracted after the hollow object (11) has been formed. In order to facilitate extraction, all die segments (9a, 9b) are extracted by contraction movements (9d) perpendicular to the central axis (2) and a relative axial movement (9c) between the die segments (9a, 9b).

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