

Title (en)

METHOD FOR THE PRECISION EXTRUSION OF HOLLOW METAL COMPONENTS AND ASSOCIATED DEVICE

Title (de)

VERFAHREN ZUM PRÄZISIONS-EXTRUDIEREN VON HOHLKOMPONENTEN AUS METALL UND ENTSPRECHENDE VORRICHTUNG

Title (fr)

PROCEDE D EXTRUSION DE PRECISION DE PIECES METALLIQUES CREUSES ET DISPOSITIF ASSOCIE

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Application

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Abstract (en)

[origin: WO2007116151A1] The invention relates to a method for producing a hollow metal component by extrusion, in which method the deformation of a forged blank (60a) housed in a base (10) and resting on a bottom (50) is obtained by embedding a punch (16) in said forged blank (60) in the direction of extrusion (C) and drawing metal (60b) around this punch (16). This method is essentially characterized in that, at the same time as the punch (16) is embedded in the forged blank (50) in its outward stroke in the direction of extrusion (C), a compensating back-pressure (P) is applied to this material (60b) in the opposite direction (D), this compensating back-pressure (P) being adjusted both to create a back-pressure that will allow the material to be drawn around the punch (16) and to control the movement of material (60b) in the base (10) by compensating for the force involved in extruding the metal component (60b). The invention also relates to a device for implementing such a method.

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