

Title (en)

METHOD FOR THE CHIPLESS PRODUCTION OF A ROTATIONALLY SYMMETRICAL BODY FROM A CIRCULAR SHEET METAL BLANK

Title (de)

VERFAHREN ZUR SPANLOSEN HERSTELLUNG EINES ROTATIONSSYMMETRISCHEN KOERPERS AUS EINER BLECHRONDE

Title (fr)

PROCÉDÉ POUR PRODUIRE UN CORPS À SYMÉTRIE DE ROTATION SANS ENLÈVEMENT DE COPEAUX À PARTIR D'UN FLAN DE TÔLE

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Application

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Abstract (en)

[origin: CA3033691A1] The invention relates to a method for the chipless production of a rotationally symmetrical body (17) from a circular sheet metal blank. The circular sheet metal blank (8) is shaped into a pot-shaped body (10) by pressing or pressure rolling about an inner mandrel (2), and a hub-shaped protrusion (16) which protrudes outwards from the base of the pot-shaped body (10) is molded on the body by pressing about a central projection (3). The aim of the invention is to improve the method, in particular simplify the production process and ensure a flawless concentricity of the shaped regions. This is achieved in that the circular sheet metal blank (8) is clamped only in the radial inner region of the blank in the axial direction between the inner mandrel (2) and at least one projection (3) during the entire shaping process.

IPC 8 full level

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