

Title (en)

NON-CUTTING PRODUCTION METHOD FOR A COMPONENT WITH A HUB

Title (de)

VERFAHREN ZUR SPANLOSEN HERSTELLUNG EINES BAUTEILS MIT NABE

Title (fr)

PROCEDE POUR LA FABRICATION SANS ENLEVEMENT DE COPEAUX D'UN PIECE COMPORTANT UN MOYEU

Publication

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Application

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Abstract (en)

[origin: WO0160543A1] The invention relates to a method for non-cutting production of a component, especially a component of a gearbox . Said component comprises a hub (15). The hub (15) is provided with a stepped hole (15) and is produced by cold deformation in a pressing process. A hub (15) extending in a substantially radial manner with respect to the plane of a round metal blank is produced from a rotating round metal blank (1), using at least one rotating pressing cylinder (11). The invention is characterized in that the pressure cylinder (11) is advanced into the round metal blank (1) at least periodically and in sections, whereupon it is inserted therein in a radial manner from an outer position to an inner position. A material web (15) forming the stepped hole (17) and extending substantially inwards from the hub (15) is embodied on the inner periphery of the hub (15), characterized in that when the hub (15) is deformed, at least one section of an attachment (7) is arranged at a distance from the round metal blank (1). As the hub is formed (15), material from the round metal blank flows into the area between the round metal blank (1) and said section of the attachment (7).

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