Title (en)

METHOD AND DEVICE FOR FORMING A COLLAR ON A WORKPIECE

Title (de)

VERFAHREN UND VORRICHTUNG ZUM AUSKRAGEN EINES WERKSTÜCKS

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR RÉALISER UN REBORD AU NIVEAU D'UNE PIÈCE

Publication

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Application

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Abstract (en)

[origin: WO2016124528A1] The present invention relates to a method for producing a collar on a workpiece. The object of easily achieving great collar lengths with good quality and even when using high-strength metals, in particular high-strength steels, is achieved by the method comprising the following steps: pre-forming a region of the workpiece to form a material reserve for a collar-drawing operation, drawing the workpiece to form a collar, wherein the drawn workpiece has a flange region and a drawn region adjoining the flange region, wherein the drawn region comprises a wall region and a drawn base adjoining the wall region, and wherein at least some of the material from the region of the material reserve serves for forming the wall region, punching the drawn base located in the drawn region of the workpiece, such that an opening is made in the drawn base and the wall region is adjoined by a drawn-base subregion, and widening the drawn-base subregion. The present invention also relates to a device for producing a collar on a workpiece.

IPC 8 full level

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