

Title (en)  
FLOWSPINNING METHOD AND DEVICE FOR CARRYING OUT FLOWSPINNING

Title (de)  
DRÜCKWALZVERFAHREN UND VORRICHTUNG ZUM DRÜCKWALZEN

Title (fr)  
PROCEDE DE FLUOTOURNAGE ET DISPOSITIF DE FLUOTOURNAGE

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Application  
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Abstract (en)  
[origin: US2004034980A1] The invention relates to a flow-forming method, in which a blank is placed on a rolling mandrel of a flow-forming machine, the blank is rotated relative to at least one flow-forming roll, the at least one flow-forming roll is infed radially and/or axially relative to the blank and the blank is axially lengthened by the flow-forming roll and flow-formed to a workpiece. The method is inventively characterized in that for compensating dimensional variations of the blank at least one compensating area is worked into the workpiece, that before and/or during flow-forming geometrical data of the blank and/or workpiece are determined with a measuring device, that for obtaining a desired final geometry of the workpiece the geometrical parameters of the at least one compensating area are individually calculated as a function of the geometrical data determined and that by means of a control device the infeed of the flow-forming roll is controlled in accordance with the calculated geometrical parameters of the compensating area, so that a workpiece with the desired final geometry can be formed independently of dimensional variations of the blank. The invention also relates to a flow-forming apparatus.

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