

Title (en)

METHOD AND DEVICE FOR THE COMPLEX FORMING OF A METAL SHEET WITH THE AID OF BODIES OF REVOLUTION

Title (de)

VERFAHREN UND VORRICHTUNG ZUR KOMPLEXEN UMFORMUNG EINES BLECHES MIT HILFE VON ROTATIONSKÖRPERN

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR LA DÉFORMATION COMPLEXE D'UNE TÔLE À L'AIDE DE CORPS DE ROTATION

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Application

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Abstract (en)

[origin: WO2011045261A1] The invention relates to a method for the forming of a metal sheet with the aid of bodies of revolution. For this purpose, two receiving shafts (3, 4) that are spaced apart from each other are provided with shaped bodies (1, 2), wherein the shaped bodies are configured in their surface in such a way that they replicate the end product. Then, the shaped bodies are aligned in such a way that they are opposite each other in neutral positions, the inserted workpiece (5) defining this neutral position by an outer edge. Finally, in a first forming phase, as it is being advanced, the workpiece is subjected to deformation while pressure is applied, to the extent that the workpiece is changed in its thickness and/or curved. If the workpiece is advanced counter to the working direction (16), no pressure is applied. This operation is repeated until the workpiece has achieved the desired thickness. For further forming phases, the forming process is repeated, the number of forming phases being dependent on the number and type of changes in thickness and curvature that are desired. The invention also relates to a device for carrying out said method.

IPC 8 full level

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