

Title (en)  
PROCESS AND APPARATUS FOR PRODUCING A HOLLOW BODY, AND HOLLOW BODY

Title (de)  
VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINES HOHLKÖRPERS UND HOHLKÖRPER

Title (fr)  
PROCEDE ET DISPOSITIF DE FABRICATION D'UN CORPS CREUX ET CORPS CREUX

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Application  
**EP 08838645 A 20081017**

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Abstract (en)  
[origin: WO2009050270A1] The invention relates to a process for producing a hollow body from metal, said hollow body having at least one first axial portion with a first cross-sectional area and a second axial portion with a second cross-sectional area, and in which the two axial portions of the hollow body are connected to one another by means of a shape transition running in the axial direction, wherein a preform body having at least one transition region which extends in the axial direction of the hollow body to be produced and is arranged between the first axial portion and the second axial portion is produced, wherein, in the transition region, the cross-sectional area of the preform body preferably continuously changes from the cross-sectional area of the first axial portion into the cross-sectional area of the second axial portion, the preform body (1) is accommodated in a die (5), wherein the die (5) has the final external shape of the hollow body to be produced, a shaping mandrel (7) is inserted into the preform body (1), wherein the shaping mandrel (7) has the internal shape of the hollow body to be produced, and an axial movement of the shaping mandrel (7) upsets the preform body (1) in the die (5) into the final shape of the hollow body. In addition, the invention relates to an apparatus for carrying out the process.

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