

Title (en)
METHOD OF AND DEVICE FOR EXTRUDING HOLLOW SECTIONS

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EP 0129010 B1 19871119 (DE)

Application
EP 84103929 A 19840409

Priority
DE 3321957 A 19830618

Abstract (en)
[origin: EP0129010A2] 1. A process for extrusion of hollow profiles, which show graduated cross sections along the profile length, whereas an ingot (1) with the extrusion die (2) is brought into a recipient (3) and is pressed over a mobile mandrel (8) by means of a hollow punch (12) through the die (4), characterized in that at the beginning of the extrusion, the mandrel (8) enters the closed ended die (4) ; that during the compression of the cross section enlargement, the hollow punch (12) allows the material to be extruded to flow over the mandrel (8) until the closed ended die (4) is completely filled ; that the recipient (3) with the mandrel (8) and the die (4) rebounds towards the drum holder, whereas a profiled pressure ring (10) in the direction of extrusion is positioned behind the die (4) into extrusion position and the cross section of the hollow profile is extruded by moving the hollow punch (12) ; that after the compression of the cross section enlargement and after moving of the recipient (3) with the die (4), the closing plate (5) is moved across the extrusion direction and is exchanged against a pressure plate (7) with profiled opening and, that the die (4) is in one part.

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IPC 8 full level
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Cited by
EP1112786A3; CN103182632A; RU2509617C1; US6470726B1; WO03084690A1

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