

Title (en)

APPARATUS FOR BENDING A HOLLOW PROFILE, IN PARTICULAR A FRAME OF SPACEKEEPING PROFILES FOR INSULATING GLASS PANES

Publication

EP 0318748 B1 19920902 (DE)

Application

EP 88118909 A 19881112

Priority

DE 3740921 A 19871203

Abstract (en)

[origin: EP0318748A2] An apparatus (1) for bending a hollow profile (2) has a clamping apparatus (4) situated approximately in the feed direction of the profile (2) and intended for gripping that region of the profile which is before the bend, and furthermore has a device (5) for gripping the portion which is to be bent round, and a counterabutment (6) for fixing the inner side of the bend or curvature formed and a tool (8), preferably in the form of a pressure roller, which can be moved under contact pressure along the outer side of the bend, relative to the counterabutment (6) and the profile (2), and can be pressed against the outer side of the latter. The clearance between the tool (8) engaging on the outer side of the bend forming in the profile (2) and the opposite, inner counterabutment (6) is at least at times approximately equal to the overall thickness of the two webs or walls (7, 9) of the hollow profile (2) which are acted upon by them and are arranged parallel to them, at least during the bending operation, with the result that unwanted and uncontrolled deformations, buckling, distortions or the like of the said webs or walls are prevented and bending can be carried out with precision even in the case of very thin walls. <IMAGE>

IPC 1-7

B21D 7/02; **B21D 53/74**; **E06B 3/66**

IPC 8 full level

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CPC (source: EP US)

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Cited by

US6023956A; AT405912B; US5136871A; US5243844A; AT397055B; DE10137766A1; EP1281457A3; EP0582064A1; EP0483044A3; DE19839444C1; EP0983809A3; EP1281451A3; DE4116521A1; EP0459971A1; DE4116521C2; EP0462961A1; DE4116268A1; US5117669A; DE19956046B4; DE19839735B4; AT397054B; EP0356814A3; DE19733536A1; DE19733536C2; EP0894553A3; EP0983809A2; US6619098B2; US11193324B2; WO2018165457A1; WO9314892A1

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