

Title (en)

Method and apparatus for bending hollow spacer frames for isolating glass

Title (de)

Verfahren und Vorrichtung zum Biegen von Hohlprofileleisten zu Abstandhalterrahmen für Isolierglasscheiben

Title (fr)

Procédé et dispositif pour plier des profilés d'écartement creux pour double vitrage

Publication

**EP 0461100 B2 19990120 (DE)**

Application

**EP 91890109 A 19910516**

Priority

- AT 124790 A 19900607
- AT 184090 A 19900910

Abstract (en)

[origin: US5136871A] During the bending of a hollow profile strip (53) into a spacer frame for insulating glass panes, the hollow profile strip (53) is advanced, by a gripper (52) displaceable in the feeding direction of the hollow profile strip (53) by predetermined distances, to such an extent that the location of the hollow profile strip (53) to be bent in a particular case is aligned with respect to a bending abutment (20). During the bending processes, performed with a bending lever (62), the hollow profile strip (53) is retained by the jaws (3, 4) of the bending head, and the gripper (52) moves back into its starting position. After the final advancement of the hollow profile strip (53), the latter is severed from the introduced hollow profile strip (53) and only then is the final bending step executed. The hollow profile strip (53) is constantly retained during the production of the spacer frame, either by the gripper (52) or by the jaws (3, 4) of the bending head.

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

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Cited by

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**US 5136871 A 19920811**; AT E100002 T1 19940115; DE 4143385 C2 19960411; DE 59100838 D1 19940224; EP 0461100 A1 19911211; EP 0461100 B1 19940112; EP 0461100 B2 19990120; ES 2049542 T3 19940416; ES 2049542 T5 19990601; IT 221898 Z2 19941206; IT MI910484 U1 19921204; IT MI910484 V0 19910604

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**US 70497591 A 19910523**; AT 91890109 T 19910516; DE 4143385 A 19910524; DE 59100838 T 19910516; EP 91890109 A 19910516; ES 91890109 T 19910516; IT MI910484 U 19910604