

Title (en)
DEVICE FOR FABRICATING SPACING FRAMES FOR INSULATING GLASS PANES

Publication
EP 0291499 B1 19910710 (DE)

Application
EP 88890117 A 19880509

Priority
• AT 118287 A 19870511
• AT 118387 A 19870511
• AT 125687 A 19870518

Abstract (en)
[origin: EP0291499A2] A device (1) for fabricating spacing frames (44) by bending hollow profile strips comprises two bending heads (12) which are arranged so as to be displaceable along a plate (10). In order to insert hollow profile strips into a clamp (13) and the bending heads (12) from a means (20) for conveying hollow profile strips, a gripper (30) is provided in the plane of symmetry of the clamp (13). Provided at that edge of the plate (10) of the bending device (1) which is opposite the bending heads (12) is a transport carriage (50) which transports the hollow profile strips which are bent to form a spacing frame (44) to a transfer device (60) which raises the spacing frames (44) transported thereto from the plate (10) and passes them to a welding apparatus (5) for welding the free ends (45) of the hollow profile strip bent to form a spacing frame (44). In order to move hollow profile strips which are bent to form a spacing frame (44) along the plate (10) to the transport carriage (50), there is provided a conveying means (41, 42). <IMAGE>

IPC 1-7
E06B 3/66

IPC 8 full level
B21D 43/00 (2006.01); **B21D 53/74** (2006.01); **B23Q 7/14** (2006.01); **E06B 3/673** (2006.01)

CPC (source: EP)
B21D 43/006 (2013.01); **B21D 53/74** (2013.01); **E06B 3/67313** (2013.01); **E06B 3/67365** (2013.01)

Cited by
AT401242B; IT202100033134A1; EP0579593A1; DE4323820A1; US5394725A; AT401243B; WO2023126746A1

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0291499 A2 19881117; **EP 0291499 A3 19891227**; **EP 0291499 B1 19910710**; **EP 0291499 B2 19970129**; AT E65110 T1 19910715; DE 3863583 D1 19910814; ES 2023511 B3 19920116; ES 2023511 T5 19970516

DOCDB simple family (application)
EP 88890117 A 19880509; AT 88890117 T 19880509; DE 3863583 T 19880509; ES 88890117 T 19880509