

Title (en)  
DEVICE FOR ADDING SPACING FRAMES

Publication  
**EP 0248785 B1 19900502 (DE)**

Application  
**EP 87890120 A 19870525**

Priority  
• AT 153486 A 19860605  
• AT 205786 A 19860730

Abstract (en)  
[origin: US4803775A] A device for the attachment of spacer frames (18) to glass panes (5) during the course of the manufacture of insulating glass panes comprises a frame-like holder (8) for the spacer frames (18), the upper, horizontal leg (11) of the frame-like holder (8) being displaceable upwards and downwards. At least two grippers (30) equipped with hooks (50) are mounted to the upper, horizontal leg (11) of the frame-like holder, these grippers being movable to and fro, for the insertion of spacer frames (18) in the device, between a take-over position associated with the end of an overhead conveyor (19) for spacer frames (18) and a delivery position wherein the spacer frames (18) are set into the frame-like holder (8). The hooks (50) are pivotably mounted to the grippers (30) so that they can be moved out of the range of the spacer frame (18) during the return movement of the grippers (30) into the take-over position. Furthermore, lifting members (55) are provided at the lower leg (10) of the frame-like holder. By an upward pivoting of the lifting members (55), the lower leg of a spacer frame (18) is reliably moved onto the clamping means (16).

IPC 1-7  
**E06B 3/66**

IPC 8 full level  
**E06B 3/673** (2006.01)

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**E06B 3/67365** (2013.01 - EP US); **E06B 3/67326** (2013.01 - EP US); **Y10T 29/53539** (2015.01 - EP US); **Y10T 29/53543** (2015.01 - EP US); **Y10T 29/53961** (2015.01 - EP US); **Y10T 29/53974** (2015.01 - EP US); **Y10T 29/53991** (2015.01 - EP US)

Cited by  
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Designated contracting state (EPC)  
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**DE 8707621 U1 19870723**; DE 3762534 D1 19900607; EP 0248785 A2 19871209; EP 0248785 A3 19880803; EP 0248785 B1 19900502; US 4803775 A 19890214

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**DE 8707621 U 19870527**; DE 3762534 T 19870525; EP 87890120 A 19870525; US 5794387 A 19870603