

Title (en)

Method and device for the fabrication of a spacing frame for insulating glass panes.

Title (de)

Verfahren und Vorrichtung zum Herstellen eines Abstandhalterrahmens für Isolierglas.

Title (fr)

Procédé et dispositif pour la fabrication d'un cadre d'espacement pour vitres isolantes.

Publication

**EP 0249946 A2 19871223 (DE)**

Application

**EP 87108655 A 19870616**

Priority

DE 3620531 A 19860619

Abstract (en)

[origin: US4803764A] A process is disclosed in which a rectangular spacer frame (16) for insulating glass is automatically manufactured in that a tubular bar is repeatedly bent in a common bending plane (5) and its free ends (19, 20) are joined. One or both end portions of the tubular bar are deflected out of the bending plane (5) during the final bending operation so that the free ends (19, 20) are moved to such positions that said extremities are laterally spaced apart and extend alongside each other. The end portions (17, 18) of the tubular bar are then gripped and moved to positions in which they are axially aligned and spaced apart. The free ends of said end portions are subsequently joined to each other to form the spacer frame (16), which is subsequently transferred to an overhead conveyor (69) in an automatic operation.

Abstract (de)

Es wird ein Verfahren zum automatischen Herstellen eines rechteckigen Abstandhalterrahmens (16) für Isolierglas durch viermaliges Abbiegen eines Hohlprofilstabes in einer gemeinsamen Biegeebene (5) und Verbinden seiner Enden (19, 20) miteinander beschrieben. Die beiden Enden (19, 20) des Hohlprofilstabes werden durch Auslenken eines oder beider Enden aus der Biegeebene (5) im Verlauf des letzten Biegevorganges in eine Lage geführt, in der sie seitlich versetzt nebeneinander liegen. Anschliessend werden die Enden (19, 20) ergriffen, einander fluchtend gegenüberliegend positioniert, dann miteinander verbunden und vorzugsweise anschliessend noch automatisch an einen Überkopfförderer (69) übergeben.

IPC 1-7

**E06B 3/66**

IPC 8 full level

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CPC (source: EP US)

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Citation (applicant)

DE 3223881 A1 19830728 - LISEC PETER [AT]

Cited by

WO2020070245A1; AT398919B; AT397055B; EP0665357A1; EP0435076A1; US5136871A; EP0461100A1

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