

Title (en)

Process and device for mechanically applying a spacer ribbon onto a glass pane

Title (de)

Verfahren und Vorrichtung zum maschinellen Applizieren eines Abstandhalterbandes auf eine Glasscheibe

Title (fr)

Procédé et dispositif pour l'application industrielle d'une bande-espaceur sur une vitre

Publication

EP 1347142 B2 20111019 (DE)

Application

EP 03003854 A 20030220

Priority

DE 10212359 A 20020320

Abstract (en)

[origin: EP1347142A2] Device for applying an elasto-plastic spacer strip to a glass pane comprises a supporting wall for the glass pane, a horizontal conveyor in the region of the lower edge of the supporting wall, a column in a surface parallel to the surface of the supporting wall, an application head moving on a column between the lower edge and the upper edge of the supporting wall, and units for guiding the strip from a supply drum and for pressing and cutting the strip. The units for guiding the strip comprise a first roller pair (1) having a drive regulated using a machine control device, a compensation path (3) with supporting rollers (31, 32, 33) for the strip, a second roller pair (9) having a drive regulated using a machine control device, and a sensor for recognizing the position of the strip in the compensation path. An Independent claim is also included for a method for applying an elasto-plastic spacer strip to a glass pane. Preferred Features: The supply drum has a spindle drive regulated using a machine control unit synchronously to the application speed.

IPC 8 full level

E06B 3/673 (2006.01)

CPC (source: EP US)

E06B 3/6733 (2013.01 - EP US); **Y10T 156/1788** (2015.01 - EP US)

Citation (opposition)

Opponent :

- US 5888341 A 19990330 - LAFOND LUC [CA]
- EP 0152807 B1 19870909
- DE 3404006 A1 19850808 - LENHARDT KARL
- DE 3744897 C2 19920521

Cited by

EP2549048A1; US10890026B2

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EP 1347142 A2 20030924; EP 1347142 A3 20040728; EP 1347142 B1 20060503; EP 1347142 B2 20111019; AT E325252 T1 20060615; CN 1239805 C 20060201; CN 1445429 A 20031001; DE 10212359 A1 20031009; DE 10212359 B4 20051006; DE 50303153 D1 20060608; ES 2262912 T3 20061201; ES 2262912 T5 20120307; US 2003178127 A1 20030925; US 2006076110 A1 20060413; US 7008492 B2 20060307; US 7523776 B2 20090428

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