

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 A3 20040728 (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 1-7

E06B 3/673

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 (search report)

- [A] US 4561929 A 19851231 - LENHARDT KARL [DE]
- [A] US 6148890 A 20001121 - LAFOND LUC [CA]
- [A] EP 0770755 A1 19970502 - TREMCO INC [US], et al
- [DA] DE 3002904 A1 19800807 - TREMCO INC
- [DA] DE 3726274 A1 19880303 - LISEC PETER [AT]

Cited by

EP2549048A1; US10890026B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)

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

DOCDB simple family (application)

EP 03003854 A 20030220; AT 03003854 T 20030220; CN 03119398 A 20030318; DE 10212359 A 20020320; DE 50303153 T 20030220; ES 03003854 T 20030220; US 28517405 A 20051123; US 39075403 A 20030319