

Title (en)

METHOD AND APPARATUS FOR CHANGING SPACERS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM WECHSELN VON ABSTANDHALTERN

Title (fr)

PROCÉDÉ ET DISPOSITIF DE CHANGEMENT D'ÉCARTEURS

Publication

**EP 2791450 A1 20141022 (DE)**

Application

**EP 13788873 A 20131008**

Priority

- AT 11372012 A 20121022
- AT 2013000163 W 20131008

Abstract (en)

[origin: WO2014063173A1] The invention relates to a method and an apparatus for the, preferably automated, changing of spacers (1, 2) in a plant having at least one applicator head (12) for applying spacers (1, 2) to panel-shaped workpieces (22, 23), in particular glass panes. According to the invention, spacers (1, 2) from at least two sources are fed to the applicator head (12) in an offset manner with respect to one another. A first spacer (1) from a first source is separated. The resulting end (13) of the first spacer (1) and a start (14) of the second spacer (2), which comes from a second source, are moved into a mutually assigned position by means of a changing device. Then, the end (13) of the first spacer (1) is connected to the start (14) of the second spacer (2). A resulting connection (11) of the first spacer (1) with the second spacer (2) runs through the plant until the connection (11) has passed the applicator head (12). After the connection (11) has passed the applicator head (12), the second spacer (2) is separated in a region between the connection (11) and the applicator head (12).

IPC 8 full level

**E06B 3/673** (2006.01)

CPC (source: AT EP KR US)

**E06B 3/67326** (2013.01 - AT KR US); **E06B 3/6733** (2013.01 - EP KR US); **E06B 3/67365** (2013.01 - KR US); **E06B 3/67373** (2013.01 - KR); **Y10T 29/49817** (2015.01 - EP US); **Y10T 29/53978** (2015.01 - EP US)

Citation (search report)

See references of WO 2014063173A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**WO 2014063173 A1 20140501**; AT 513390 A4 20140415; AT 513390 B1 20140415; CN 104114803 A 20141022; CN 104114803 B 20150909; EP 2791450 A1 20141022; EP 2791450 B1 20150701; KR 101693297 B1 20170105; KR 20140139614 A 20141205; RU 2578992 C1 20160327; US 2015074968 A1 20150319; US 9540864 B2 20170110

DOCDB simple family (application)

**AT 2013000163 W 20131008**; AT 11372012 A 20121022; CN 201380009970 A 20131008; EP 13788873 A 20131008; KR 20147030677 A 20131008; RU 2014151244 A 20131008; US 201314395571 A 20131008