

Title (en)

PROCEDURE AND DEVICE FOR FILLING AND PRODUCING OF A SPACING FRAME FOR INSULATING GLASS PANES

Publication

EP 0580040 A3 19940928 (DE)

Application

EP 93111013 A 19930709

Priority

DE 4223730 A 19920718

Abstract (en)

[origin: EP0580040A2] In order to fill a spacer frame (3) for insulating glass panes which contains a drying agent (2), an initially drying-agent-free hollow profile (4) is bent a number of times in order to form the frame corners (5) and left open in region of the last corner (6). Thereafter, a drying agent (2) is introduced at the open point of the frame legs (7 and 8), provided for definitive closure, and the frame (3) is then closed definitively. In order to achieve higher cycle times, one after the other, a plurality of spacer frames (3) are bent a number of times in order to form the frame corners (5) and are left open in the region of the last corner (6) and advanced, with the open end sides transverse to the plane defined by the frames (3) in each case, during the filling procedure simultaneously beneath filling openings (12 and 13) of a filling station (10), with the result that, during their advancement along the filling openings (12 and 13), the frame legs (7 and 8) are filled, that is to say the frame legs (7 and 8) of a plurality of spacer frames (3) following one after the other in the advancement direction are simultaneously filled at least partially. In correspondingly shorter periods of time, in each case, one filled frame (3) is available for further machining. <IMAGE>

IPC 1-7

E06B 3/66

IPC 8 full level

E06B 3/66 (2006.01); **E06B 3/673** (2006.01)

CPC (source: EP)

E06B 3/67313 (2013.01); **E06B 3/67317** (2013.01)

Citation (search report)

- [DA] EP 0197468 A1 19861015 - LENHARDT KARL
- [DA] DE 3740922 A1 19890622 - BAYER ISOLIERGLASFAB KG [DE]
- [DA] DE 3942808 A1 19910627 - BAYER ISOLIERGLASFAB KG [DE]
- [A] DE 2644852 A1 19780406 - SCHILLING
- [A] DE 2310659 A1 19740912 - GLAS & SPIEGEL MANUFACTUR AG

Designated contracting state (EPC)

AT BE CH DE DK FR GB IT LI NL

DOCDB simple family (publication)

EP 0580040 A2 19940126; EP 0580040 A3 19940928; EP 0580040 B1 19970521; AT E153415 T1 19970615; DE 4223730 A1 19940120; DE 4223730 C2 19960229; DE 59306496 D1 19970626; DK 0580040 T3 19971201

DOCDB simple family (application)

EP 93111013 A 19930709; AT 93111013 T 19930709; DE 4223730 A 19920718; DE 59306496 T 19930709; DK 93111013 T 19930709