

Title (en)

Process and nozzle for applying a thermoplastic spacer to a glass pane for manufacturing insulating glazing units

Title (de)

Verfahren zum Herstellen eines Abstandhalters aus thermoplastischem Kunststoff für Isolierglasscheiben und zum Durchführen des Verfahrens verwendbare Düse

Title (fr)

Procédé ainsi que buse d'application d'un joint d'écartement en matériau thermoplastique sur une vitre pour la fabrication de vitrages isolants

Publication

EP 1018590 B1 20041006 (DE)

Application

EP 99890363 A 19991112

Priority

AT 1899 A 19990108

Abstract (en)

[origin: EP1018590A2] A thermoplastic spacing bead (7) is applied to a glass pane from a moving extrusion nozzle (1) with guide walls (2,3). At a corner the nozzle is raised slightly to prevent the bead adhering to the glass and is rotated (11) so that the inner guide wall (3) forms a sharp corner (13). The outer guide wall (2) produces a rounded edge (14). Application of the bead (7) then continues in the new direction (15). An Independent claim is also included for producing a sharp corner and smooth join at the final corner by moving the nozzle outwards while in the raised position and taking the bead past the original start point before forming the last rounded outer corner.

IPC 1-7

E06B 3/673; B05C 5/02

IPC 8 full level

E06B 3/673 (2006.01)

CPC (source: EP)

E06B 3/6733 (2013.01); **E06B 2003/67378** (2013.01)

Cited by

WO2016061595A1; CN106062297A; EA030509B1; US8101251B2; US10202798B2; WO2020114633A1

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