

Title (en)

METHOD AND APPARATUS FOR FASTENING HOLLOW SECTIONS TOGETHER BY MEANS OF CONNECTION PIECES

Publication

**EP 0231338 B1 19891018 (EN)**

Application

**EP 86904981 A 19860807**

Priority

SE 8503739 A 19850808

Abstract (en)

[origin: WO8700884A1] Method of fastening hollow sections, preferably hollow sections which are to form casements or window or door frames, to one another by means of connection pieces, each such connection piece (5) comprising two limbs (5a, 5b) one of which (5a) is adapted to engage one hollow section (3), while the other limb (5b) engages the other hollow section (4). To enable fixation of the hollow sections and the connection piece to one another quickly and efficiently by means of adhesive without the latter coming in contact with the surroundings, the method of the invention is characterized by moving the hollow sections (3, 4) together until the end edges thereof abut to form a space in the hollow sections which is closed at the connection point (30) between the hollow sections (3, 4) and which contains the connection piece (5), applying at least one nozzle to the outer sides of one or both hollow sections (3, 4) in connection with one or more holes (44) in said outer sides, and injecting the adhesive (42) via the nozzle and the hole (44) into spaces between the sides (5d, 5e) of the two limbs (5a, 5b) of the connection piece (5) and the hollow section portions adjoining said sides (5d, 5e), without the adhesive coming in contact with the surroundings. An apparatus suitable for the performance of this method int.al. permits holding the hollow sections (3, 4) during various operating cycles.

IPC 1-7

**B21D 53/74**; **E06B 3/96**

IPC 8 full level

**B25B 5/14** (2006.01); **E06B 3/96** (2006.01)

CPC (source: EP SE)

**B25B 5/142** (2013.01 - EP); **E06B 3/9612** (2013.01 - EP); **E06B 3/968** (2013.01 - SE); **E06B 3/9681** (2013.01 - SE)

Cited by

DE10006962A1; US10329759B2

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

**DE 8621143 U1 19861002**; DE 3666483 D1 19891123; EP 0231338 A1 19870812; EP 0231338 B1 19891018; SE 457368 B 19881219; SE 462293 B 19900528; SE 8503739 D0 19850808; SE 8503739 L 19870209; SE 8602068 D0 19860506; SE 8602068 L 19870209; WO 8700884 A1 19870212

DOCDB simple family (application)

**DE 8621143 U 19860807**; DE 3666483 T 19860807; EP 86904981 A 19860807; SE 8503739 A 19850808; SE 8600358 W 19860807; SE 8602068 A 19860506