

Title (en)

METHOD AND APPARATUS FOR MAKING A SPACE KEEPING PROFILE FOR THERMOPANE GLASS

Publication

EP 0435077 B1 19930915 (DE)

Application

EP 90123967 A 19901212

Priority

DE 3942809 A 19891223

Abstract (en)

[origin: EP0435077A2] To make a space-keeping profile, especially one for thermopane glass, a hollow section (2) is bent in each of the corner regions of the profile, for example with four corresponding bends of about 90 DEG , in order to form a square or rectangular profile. The hollow section (2) is first of all filled with desiccant, during which procedure it can be arranged in a tilted position. At its lower end, it is sealed, for example, with a straight connecting piece (9), by means of which it is connected to a further hollow section (2) or, if the length of the hollow section (2) corresponds exactly to the profile circumference itself, it can be sealed. The desiccant (3) is introduced into this hollow section (2) at the upper end (12), after which it is laid in an approximately horizontal position and fed to a bending device and finally bent to form the profile. According to the invention, the hollow section is filled completely, although, if required, it may also be filled only partially, and then partially emptied again to give a reduced degree of filling, and the partial filling which it contains is distributed over its length with the hollow section (2) in a horizontal position and the hollow section is then bent. The partial emptying and/or the distribution of the partial quantity of desiccant contained in the hollow section - in particular after partial emptying has taken place - can be distributed with the aid of a vibrator (10). The vibrator (10) can shake the hollow section (2) backwards and forwards with the desiccant quantity contained in it in an approximately horizontal direction in the direction of alignment of the hollow section. The partial quantity of desiccant discharged can be measured using an appropriate measuring device in order thereby to determine the partial quantity remaining in the hollow section and, after partial emptying, to switch over the vibration process automatically to a mode which gives the most uniform distribution of the remaining desiccant in the hollow section (2).

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IPC 8 full level

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CPC (source: EP)

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Cited by

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