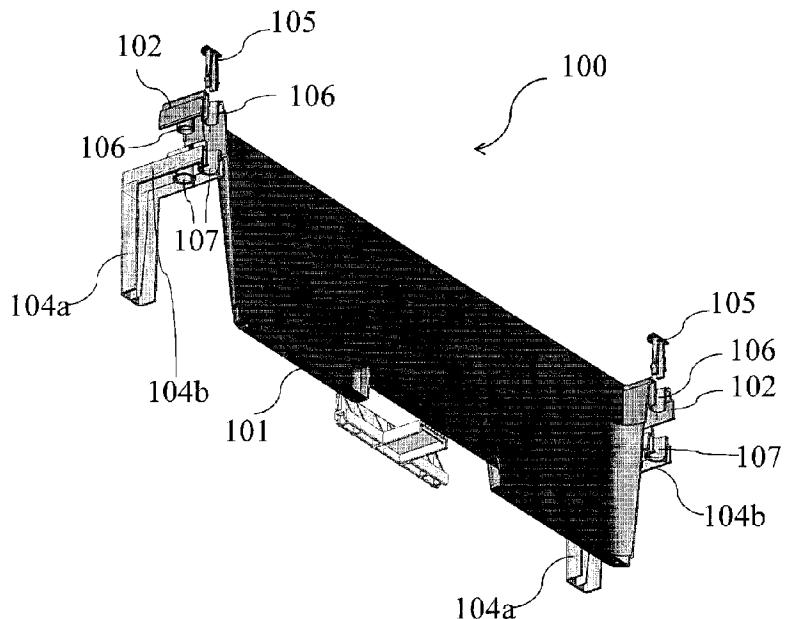




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(54) Titre : POT DE FLEURS COMPRENANT DES BRAS AJUSTABLES ET DES GOUPILLES AMOVIBLES
INDEPENDANTES POUR UN COUPLAGE A DES RAMPES, PAROIS OU AUTRES SUPPORTS
(54) Title: FLOWERPOT COMPRISING ADJUSTABLE ARMS AND INDEPENDENT REMOVABLE SNAP PINS FOR
COUPLING AND SUPPORTING TO RAILINGS, WALLS OR OTHER SUPPORTS



(57) Abrégé/Abstract:

A flowerpot (100) comprising adjustable arms (104) and independent removable snap pins (105) for safe coupling to railings, walls or other supports comprising a container (101) having a lateral edge (102), the adjustable arms (104) comprising a vertical branch (104a) for engaging the container (101) to the support and a horizontal branch (104b) able to be coupled with a lower portion of the lateral edge (102), characterized in that the lateral edge (102) comprises at least two successive trough trenches (106) able to be aligned and coupled with at least two successive trough trenches (107) comprised in the horizontal branch (104b) via at least one independent removable snap pin (105).

ABSTRACT

A flowerpot (100) comprising adjustable arms (104) and independent removable snap pins (105) for safe coupling to railings, walls or other supports comprising a container (101) having a lateral edge (102), the adjustable arms (104) comprising a vertical branch (104a) for engaging the container (101) to the support and a horizontal branch (104b) able to be coupled with a lower portion of the lateral edge (102), characterized in that the lateral edge (102) comprises at least two successive trough trenched seats (106) able to be aligned and coupled with at least two successive trough trenched seats (107) comprised in the horizontal branch (104b) via at least one independent removable snap pin (105).

15

FIG. 3

DESCRIPTION

5 "Flowerpot comprising adjustable arms and independent removable snap pins for coupling and supporting to railings, walls or other supports"

10 The present invention relates to a flowerpot comprising adjustable arms and independent removable snap pins for coupling and supporting to railings, walls or other supports.

15 A flowerpot equipped with adjustable arms for coupling and supporting to railings, walls or other supports is described in the patent application N. IT2003FI0001120030115 published on 16-07-2004 and comprises coupling arms which are adjustable to adapt to the thickness of the support provided for supporting the flowerpot. Moreover the described flowerpot comprises a 20 container provided with at least one retractable lower support able to contact the outer face of the support. Each coupling arm is perpendicular to the flowerpot, has a vertical branch to embrace the support and a horizontal branch perpendicular to the support, and is engageable in a

linearly adjustable position inside a corresponding seat formed in the bottom portion of the edge of the flowerpot. The seats comprised in the bottom portion of the edge of the flowerpot present at least one or a series of snap pins downwards oriented and also some lower trough protrusions. The horizontal branch of each coupling arm form a plurality of through seats for these snap pins and for these lower protrusions in order to differently position the flowerpot depending on the thickness of the support provided. In addition a safety pin can be provided for being inserted inside the trough protrusions previously coupled with the corresponding trough seat of the coupling arm in order to better guarantee the locking and the safety of the support and for retaining against sliding.

15 The problem of the described flowerpot is that it is difficult to easily manage the adjustments of position of the flowerpot depending on the support thickness and to quickly uncouple the flowerpot from the support.

20 Aim of the present invention is to provide a flowerpot comprising adjustable arms and independent removable snap pins for coupling and supporting to railings, walls or other supports easy to disengage from the support and to manage the adjustments of position on the support.

According to the present invention, a flowerpot comprising adjustable arms and independent removable snap pins for coupling and supporting to railings, walls or other supports is realized, as defined in claim 1.

5 For a better understanding of the present invention a preferred embodiment is described, by way of non limitative example, referring to the accompanying drawings, in which:

10 - Figure 1 shows a first schematic three-dimensional view of an assembled flowerpot comprising adjustable arms and independent removable snap pins for coupling and supporting to railings, walls or other supports, according to the invention;

15 - Figures 2a-2b show schematic three-dimensional views of the assembly of the flowerpot comprising adjustable arms and independent removable snap pins for coupling and supporting to railings, walls or other supports, according to the invention;

20 - Figure 3 shows a schematic three-dimensional section view of the assembling of the flowerpot comprising adjustable arms and independent removable snap pins for coupling and supporting to railings, walls or other supports, according to the invention;

- Figure 4 shows a schematic three-dimensional zoomed section view of the assembling of the flowerpot comprising

adjustable arms and independent removable snap pins for coupling and supporting to railings, walls or other supports, according to the invention;

5 - Figure 5 shows a schematic three-dimensional zoomed section view of the assembled flowerpot comprising adjustable arms and independent removable snap pins for coupling and supporting to railings, walls or other supports, according to the invention;

10 - Figure 6 shows a schematic three-dimensional view of an embodiment of the independent removable snap pins, according to the invention.

Referring to those figures, and in particular to figures 1 and 2, a flowerpot 100 comprising adjustable arms and independent removable snap pins for coupling and 15 supporting to railings, walls or other supports is shown, according to the invention. In more details, the flowerpot 100 comprises a container 101 having a lateral edge 102 and a rear edge 103. The flowerpot 100 also comprised two lateral arms 104, only one being shown in the figures, for 20 coupling and supporting the container 101 to railings, walls or other supports, not shown in the figures. Each arm 104 comprises a vertical branch 104a for engaging the container 101 to the support not shown and a horizontal branch 104b to be coupled with the lower portion of the

lateral edge 102. In particular, the flowerpot 100 is equipped with independent removable snap pins 105 for the stable and safe fixing of the arms 104 to the lateral edge 102 of the container 101.

5 As better shown in the figures 3 and 4, the lateral edge 102 of the container 101 comprises a plurality of trough trenched seats 106 able to be aligned and coupled with correspondent trough trenched seats 107 comprised in the horizontal branch 104b of the arms 104.

10 More in details, advantageously, according to the invention, the trough trenched seats 106 can enter inside the trough trenched seats 107 so that the container 101 can be coupled to the arms 104.

15 According to an aspect of the invention, the trough trenched seats 106 and 107 are cylindrical.

Advantageously, according to the invention, a stable and safe fixing of the container 101 coupled to the arms 104 is obtained inserting the removable snap pins 105 inside the trough trenched seats 106.

20 According to an aspect of the invention, as better shown in the figure 5, the removable snap pins 105 comprises an upper head 105a and two lower vertical appendices 105b having bottom lateral protrusions 105c and contoured so that they insert and click into place to fix

the lateral edge 102 to the horizontal branch 104a of the arms 104.

According to another aspect of the invention, the removable snap pins 105 are made of plastics.

5 According to further aspect of the invention, each removable snap pin 105 comprises a plastic plug 105d between two lower vertical appendices 105b. The plug 105d extends from the bottom of the upper head 105a to the bottom lateral protrusions 105c bottom of the vertical appendices 105b and has a length roughly equal to 15 mm.

10 Advantageously, according to the invention, the arm 104 can be moved at different positions depending on the distance at which the flowerpot 100 has to be fixed on the support. This is possible because all the trough trenched seats 106 are identical each other and all the trough trenched seats 107 are identical each other. Therefore, 15 each trough trenched seat 106 can be coupled with each trough trenched seat 107.

Moreover, advantageously, according to the invention, 20 a single removable snap pins 105 can be inserted into the trough trenched seats 106 and click into place at the end of the trough trenched seats 107 to fix the lateral edge 102 to the horizontal branch 104a of the arms 104.

According to an aspect of the invention, only one removable snap pin 105 is inserted per arm 104.

According to another aspect of the invention, a plurality of removable snap pins 105 is inserted per arm 5 104.

Advantageously, according to the invention, the flowerpot comprising adjustable arms and independent removable snap pins for coupling and supporting to railings, walls or other supports allows an easy 10 disengagement from the support.

Moreover, with the flowerpot comprising adjustable arms and independent removable snap pins for coupling and supporting to railings, walls or other supports it is possible to easily manage the adjustments of flowerpot 15 position on the support.

At the end, the flowerpot comprising adjustable arms and independent removable snap pins for coupling and supporting to railings, walls or other supports according to the invention is that it is adaptable to a plurality of 20 supports.

It should be clear that other modifications and embodiments carried out to the described flowerpot comprising adjustable arms and independent removable snap pins for coupling and supporting to railings, walls or

other supports can be done falling within the scope of the present invention, as defined in the appended claims.

CLAIMS:

1. A flower pot (100) comprising adjustable arms (104) and independent removable snap pins (105) for safe coupling to a support, , wherein the flowerpot comprises
5 a container (101) having a lateral edge (102), the adjustable arms (104) comprising a vertical branch (104a) for engaging the container (101) to the support and a horizontal branch (104b) able to be coupled with a lower portion of the lateral edge (102), characterized in that
10 the lateral edge (102) comprises at least two successive trough trenched seats (106) able to be aligned and coupled with at least two successive trough trenched seats (107) comprised in the horizontal branch (104b) via at least one of the independent removable snap pins (105).

15 2. A flowerpot (100) according to claim 1, characterized in that the at least two successive trough trenched seats (106) comprised in the lateral edge are configured for internally fitting to the at least two successive trough trenched seats (107) comprised in the
20 horizontal branch (104b).

3. A flowerpot (100) according to claim 1, characterized in that the trough trenched seats (106, 107) comprised in the lateral edge and comprised in the horizontal branch are cylindrical.

4. A flowerpot (100) according to claim 1, characterized in that the trough trenched seats (106) comprised in the lateral edge are identical to each other.

5 5. A flowerpot (100) according to claim 1, characterized in that the trough trenched seats (107) comprised in the horizontal branch are identical to each other.

10 6. A flowerpot (100) according to claim 1, characterized in that at least one of the removable snap pins (105) comprises an upper head (105a) and two lower vertical appendices (105b) having bottom lateral protrusions (105c) able to click into place at ends of the trough trenched seats (107) comprised in the horizontal branch.

15 7. A flowerpot (100) according to claim 1, characterized in that at least one of the removable snap pins (105) is made of plastic.

20 8. A flowerpot (100) according to claim 6, characterized in that the at least one of the removable snap pins (105) comprises a plastic plug (105d) between the two lower vertical appendices (105b) and extending from a bottom of the upper head (105a) to the bottom lateral protrusions (105c) bottom of the vertical appendices (105b) and has a prefixed length.

25 9. A flowerpot according to claim 1, wherein the adjustable arms (104) and independent removable snap pins (105) are for safe coupling of the flowerpot to a railing or a wall.

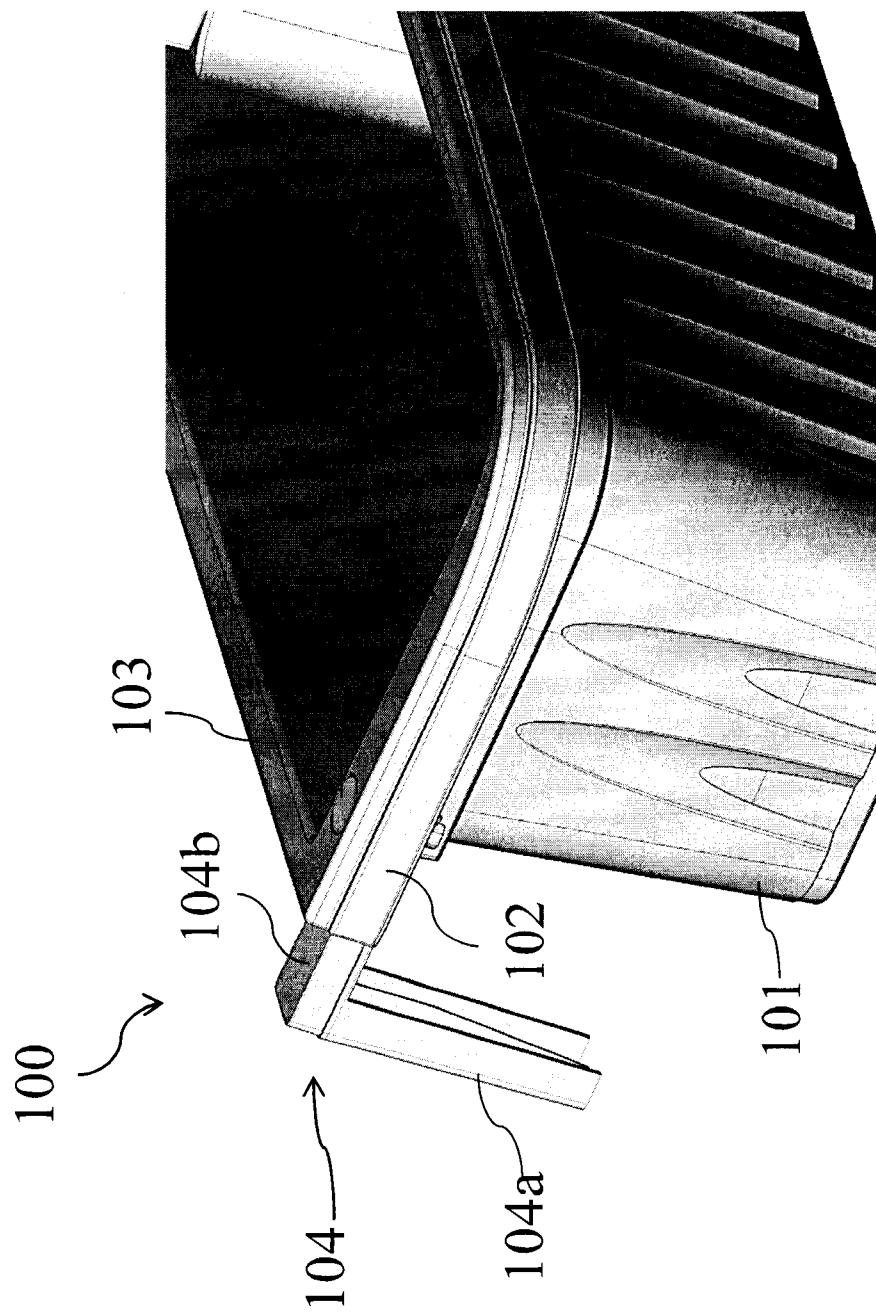


Fig.1

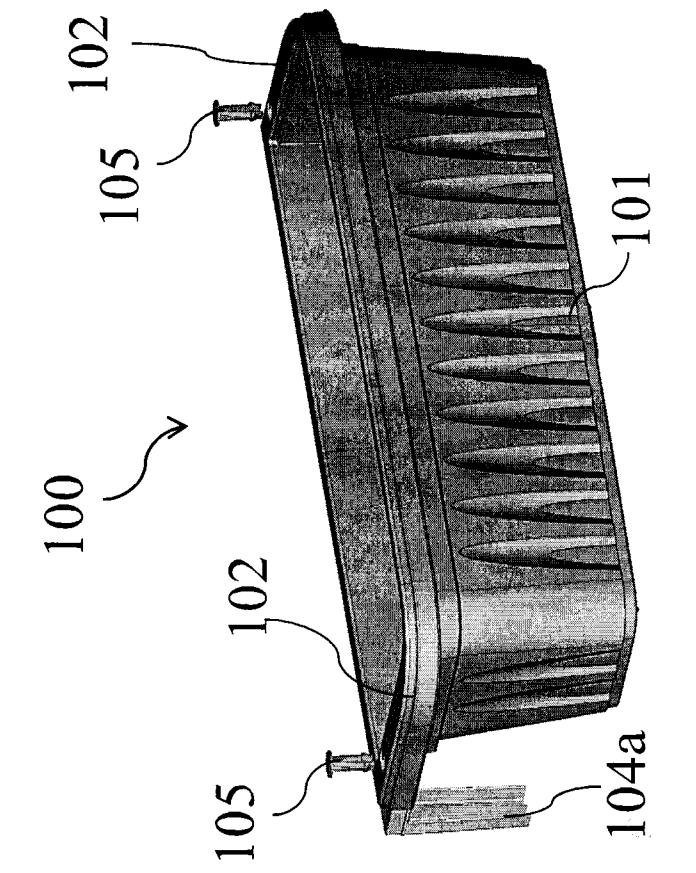


Fig.2b

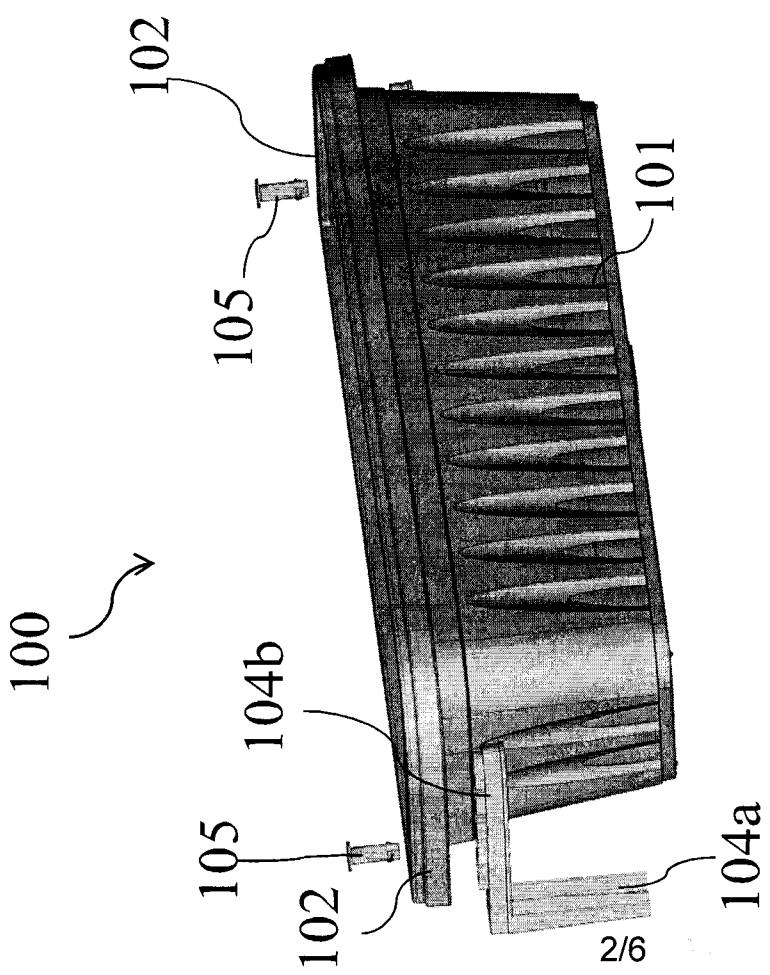


Fig.2a

Fig.2

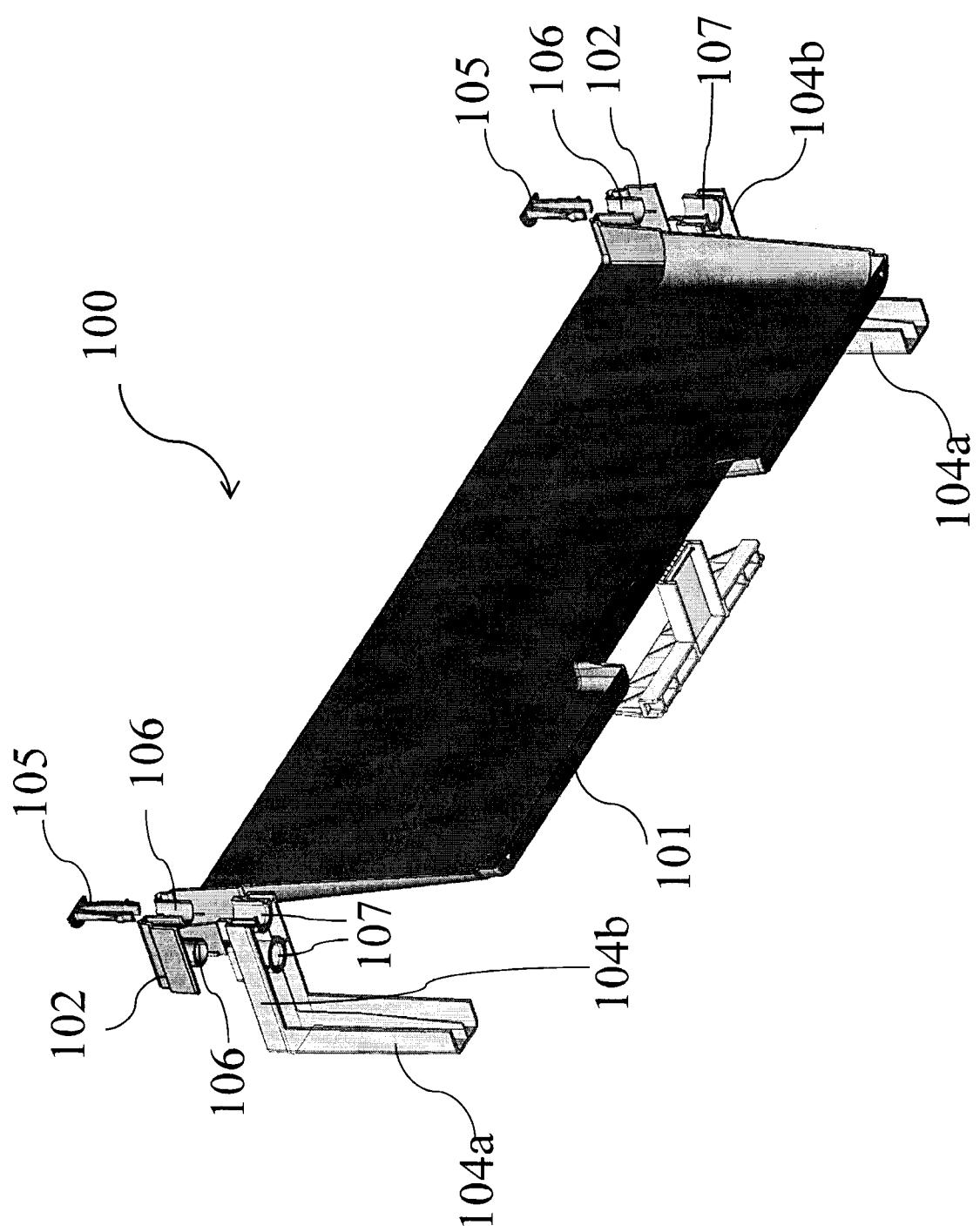


Fig.3

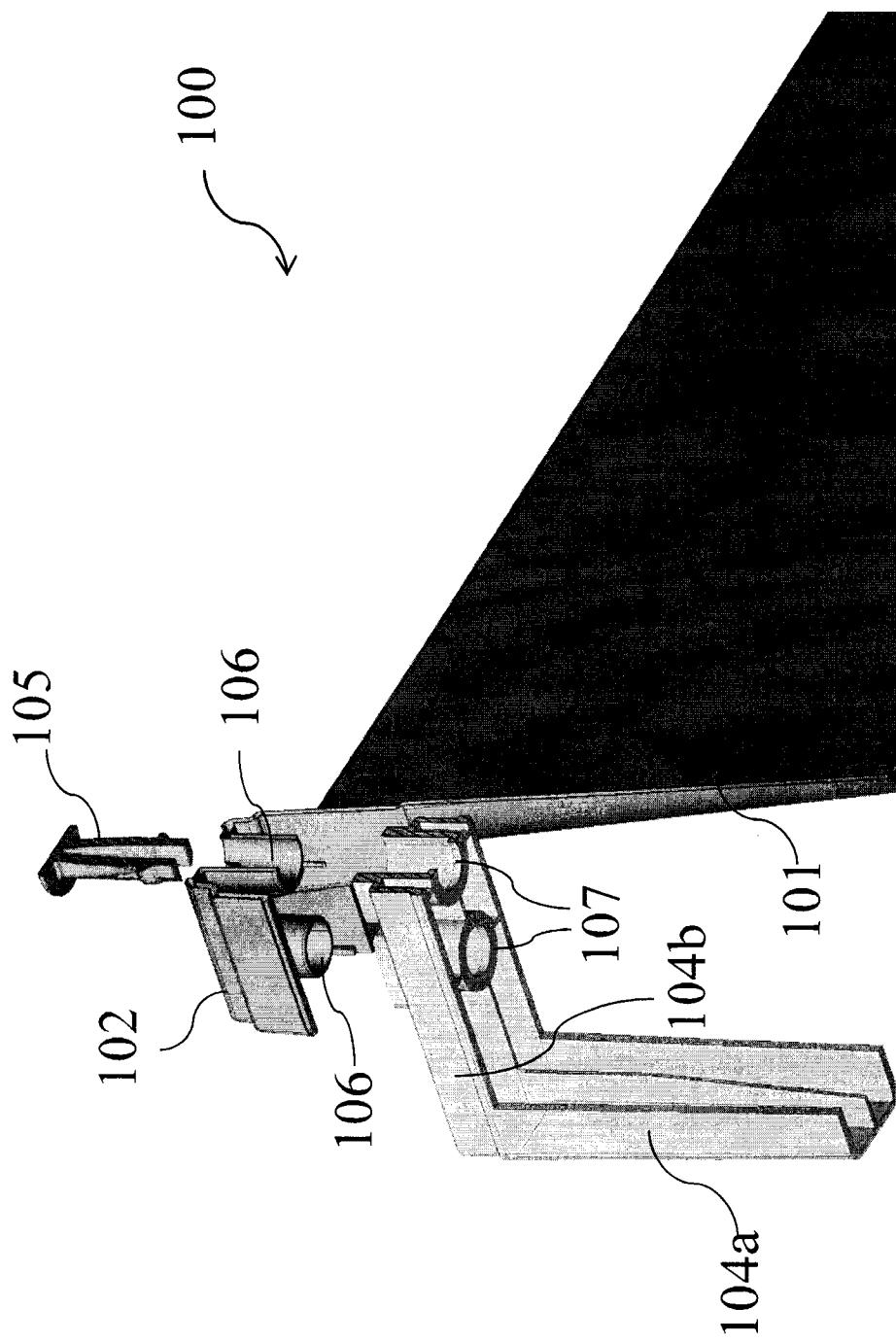


Fig.4

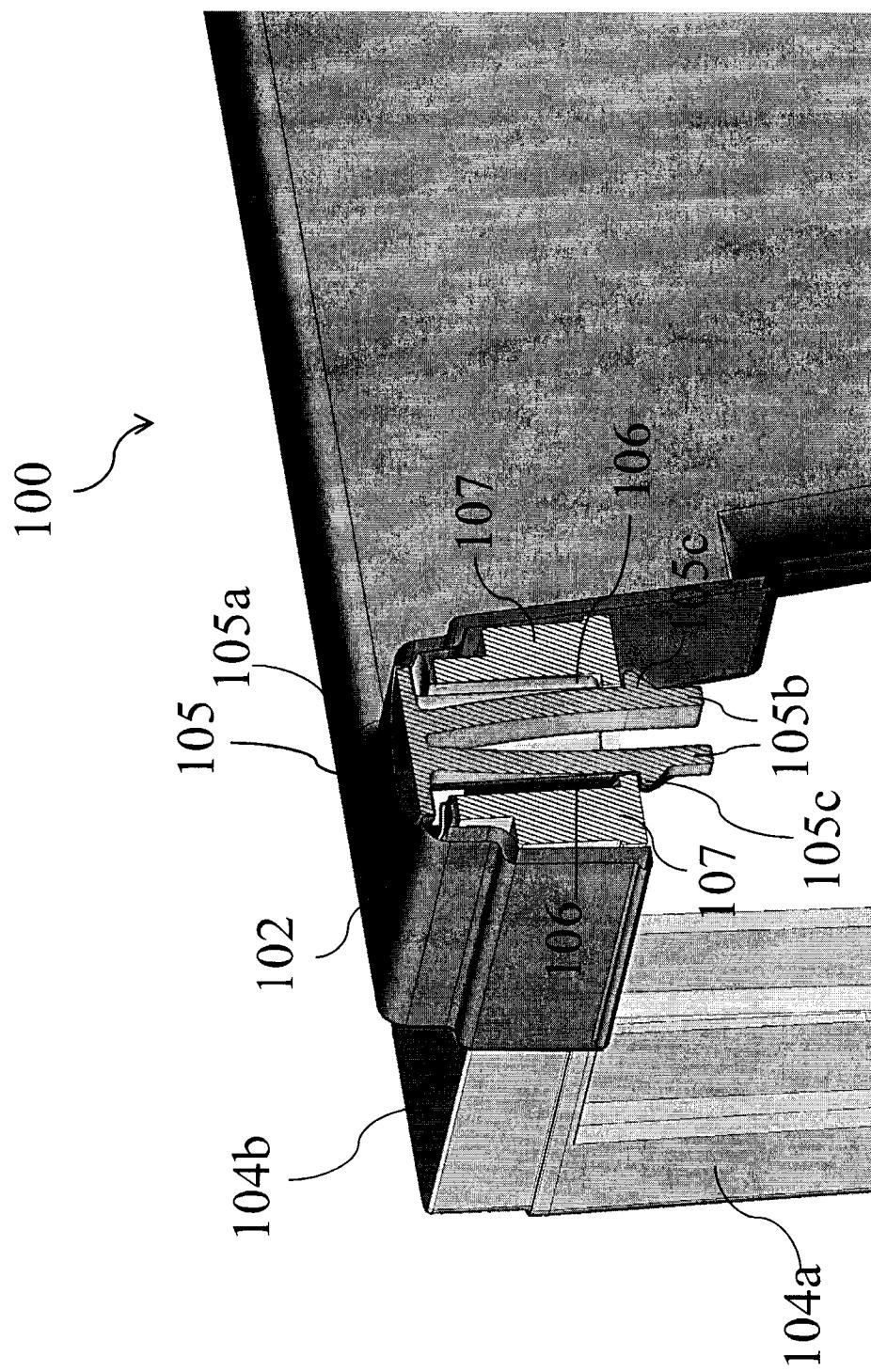


Fig.5

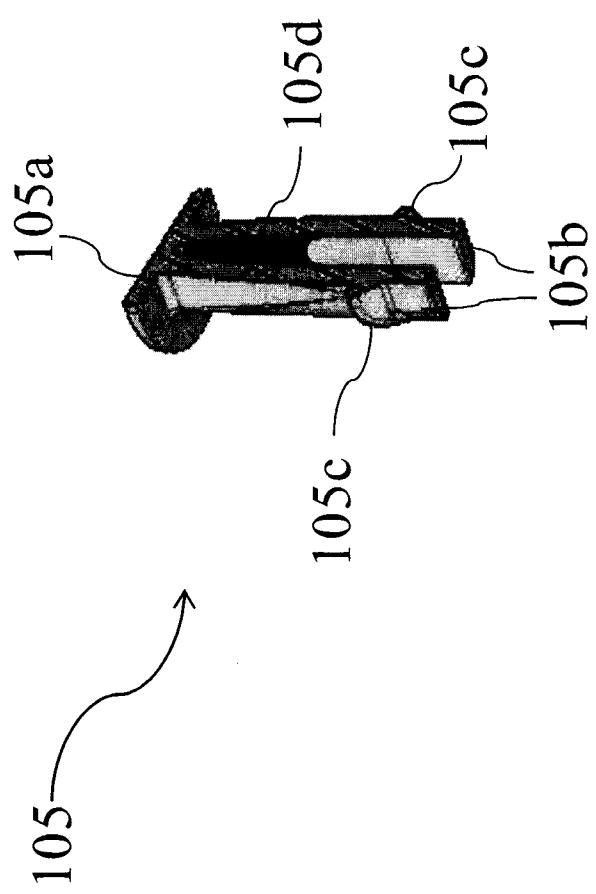


Fig.6

