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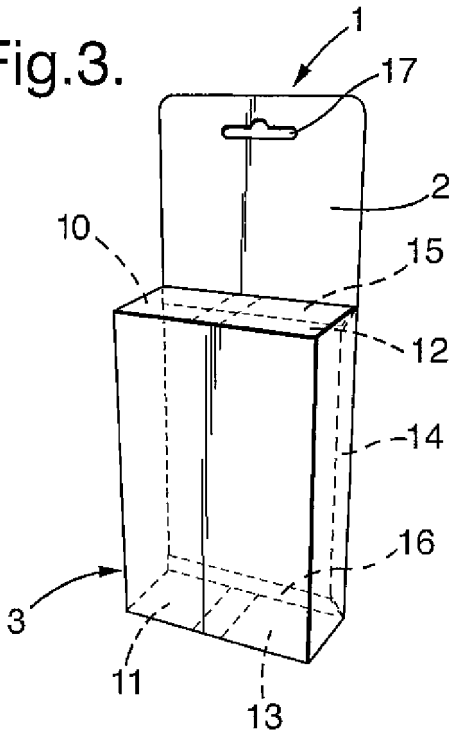
(54) Packaging device

(57) A packaging device for an article, the device comprising a backing member (2) which is in one piece with a packaging part (3), the packaging part (3), together with a portion of the backing member (2), being configured to form a cavity (4) intended to enclose the article, the packaging part (3) having a wall (5), two side portions (6,7), a top portion (8) and a bottom portion (9), wherein two of said portions (6,7) have tabs (10,11,12,13) for co-operating with or adhering to the two other portions inside said cavity (4), and wherein three of said portions (7,8,9) have adhesive flaps (14,15,16) for sticking to the backing member (2), the respective adhesive flap (14,15,16) being folded in relation to the respective portion, so that the respective adhesive flap (14,15,16) is located inside the cavity (4) and there is stuck to the backing member (2).

Fig.3.



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Description

[0001] The present invention relates to a packaging device for an article, the device comprising a backing member and a packaging part which is in one piece with the backing member, the packaging part, together with a portion of the backing member, being configured to form a cavity intended to enclose the article, the packaging part having a wall, two side portions, a top portion and a bottom portion, one of said portions forming an integral transition between the backing member and the packaging part.

[0002] To illustrate the prior art reference is made to DE 29500833U, US 3498446, WO 03/043899, DE 4214040, US 4201292 and US 5624033.

[0003] The known device in WO 03/043899, for example, has many possibilities for displaying the article housed therein and the packaging encloses the article in an acceptable way, but although the device has the advantage that the adhesive flaps are easily attachable to the backing member in that they are located on the outside of the packaging part, there is the disadvantage that the adhesive flaps thus cover portions of the backing member in a disfiguring way, and also so as to prevent decoration or text from being presented in the attachment area for the adhesive flaps. In addition, the article is not enclosed tightly enough. DE 29500833U teaches the use of a single adhesive flap that is adherable to a backing member outside the cavity housing the article. However, none of the known solutions solve the problem of providing packaging that is as tight as possible, is easy to tear open, provides an aesthetically pleasing display of an article housed in the cavity, and also does not have visible and disfiguring adhesive flaps that are external in relation to said cavity.

[0004] The object of the present invention is therefore to remedy the disadvantages present in the prior art, and the device mentioned above is characterised according to the invention in that two of said portions have tabs for cooperating with or adhering to the two other portions inside said cavity, and that three of said portions are each provided with an adhesive flap which is folded in relation to the respective portion so that the respective adhesive flap is located inside the cavity and there is stuck to the backing member.

[0005] "Sticking to" and "stuck to" implies "adhere to" and "adhered to" in this context throughout the specification.

[0006] Said wall or one of said portions may optionally be provided with weaknesses or perforations for tear-opening.

[0007] According to one embodiment, the backing member and/or the wall may be provided with a cut-out for display of at least a part of the article when it is housed in said cavity.

[0008] In the case where the backing member has a cut-out for display of at least a part of the article when it is housed in said cavity, said wall, said bottom portion and a portion of the backing member between the cut-out and the bottom may be provided with weaknesses or perforations for tear-opening. As an alternative case, said wall or one of said portions may be provided with weaknesses or perforations for tear-opening. In both these cases, the cut-out may be covered by a transparent material adhered or glued to the backing member on the surface thereof facing the cavity.

[0009] In the first-mentioned case where the backing member has said cut-out, it is possible to conceive that a part of the backing member in extension of the portion provided with weaknesses or perforations forms a tear-open grip tab, The tear-open tab may optionally be provided with marking or article-related information.

[0010] In both the said cases it is possible to allow at least one of the adhesive flaps to be provided with at least one integral tab designed to cover a part of said cut-out. This tab is optionally provided with marking or article-related information.

[0011] In the case where the wall has a cut-out for display of at least a part of the article when it is housed in said cavity, one of said portions may be provided with weaknesses or perforations for tear-opening. In this case, the cut-out will advantageously be covered by a transparent material stuck to the wall on the surface thereof facing the cavity.

[0012] The tear-off portions are suitably configured to allow the packaging to be easily torn open for access to the article that is located in the packaging cavity.

[0013] To be able to indicate, for example, that an article is a new design, is in a particular price class, has an important property, or that it is important to give other article-related information, said tab on at least on one of the adhesive flaps is advantageous so as to facilitate the covering of a part of said cut-out on the backing member.

[0014] The invention will now be described in more detail with reference to the attached drawings which show exemplary embodiments which are non-limiting for the invention.

Figs. 1 - 3 show a first exemplary embodiment of the device according to the invention, respectively as a flat blank, in a partly folded state and as a completely folded device.

Figs. 4 - 6 show a second exemplary embodiment of the device according to the invention, respectively as a flat blank, in a partly folded state and as a completely folded device.

Figs. 7 - 9 show a third exemplary embodiment of the device according to the invention, respectively as a flat blank, in a partly folded state and as a completely folded device.

Figs. 10 - 12 show a fourth exemplary embodiment of the device according to the invention, respectively as a flat blank, in a partly folded state and as a com-

pletely folded device.

Figs. 13 - 15 show a fifth exemplary embodiment of the device according to the invention, respectively as a flat blank, in a partly folded state and as a completely folded device.

[0015] Fig. 1 shows packaging for an article, where the packaging 1 is shown punched or cut out in one piece from a single piece of material and is shown flat, i.e., in an unfolded state, consisting of a backing member 2 which is in one piece with a packaging part 3. The packaging part is, together with a portion of the backing member, configured to form a cavity 4 intended to enclose the article (not shown). The packaging part has a wall 5, two side portions 6, 7, a top portion 8 and a bottom portion 9, two of said portions, in this example portions 6, 7, having tabs 10, 11; 12, 13 for cooperating with or adhering to the two other portions, in this example, the portions 8, 9, inside said cavity 4. In the illustrated embodiment it is the side portion 6 that forms the integral connection with the backing member 2. Three of said portions, in this case the portions 7, 8 and 9, have respective adhesive flap 14, 15 and 16 for sticking to the backing member 2. As indicated for the adhesive flap 16, the adhesive flaps 14 -16 are folded at a right angle to the respective portion 7 - 9 so that the adhesive flaps are located in the cavity and there are stuck to the backing member. The backing member 2 is equipped in an area above the packaging part 3 with an aperture 17 configured for hanging the device on a hanging rail or bar (not shown).

[0016] Figs. 4 - 6 show a variant of the packaging shown in Figs. 1 - 3, where the packaging 18 is shown punched or cut out in one piece from a single piece of material and is shown flat, consisting of a backing member 19 which is in one piece with a packaging part 20. The packaging part 20 is, together with a portion 19'of the backing member 19, configured to form a cavity 21 intended to enclose the article (not shown). The packaging part 20 has a wall 22, two side portions 23, 24, a top portion 25 and a bottom portion 26, two of said portions, in this example portions 25, 26, having tabs 27, 28; 29, 30 for cooperating with or adhering to the two other portions, in this example, the portions 23, 24, inside said cavity 21. In the illustrated embodiment it is the bottom portion 26 that forms the integral connection with the backing member 19. Three of said portions, in this case the portions 23, 24 and 25, have respective adhesive flap 31, 32 and 33 for sticking to the backing member 19 at its portion 19'. As indicated for the adhesive flap 32, the adhesive flaps 31- 3 3 are folded at a right angle to the respective portion 23 - 25 so that the adhesive flaps are located in the cavity 21 and there are stuck to the backing member. As shown, a display opening 34 has been made in the wall 22 and this display opening 34 is preferably covered with a sheet or film 35 of a transparent material on the side of the wall 22 facing the cavity 21. A tear-open panel 36 is shown in the bottom portion 26, provided with weaknesses or perforations 37. However, it is fully possible to allow such a tear-open panel to be arranged in the top portion 25 of the packaging or in one of the side portions 23, 24. As shown in Figs. 1 - 3, the embodiment in Figs. 4 - 6 is also provided in an area above the packaging part 3 with an aperture 38 configured for hanging the device on a hanging rail or bar (not shown).

[0017] Figs. 7 - 9 show another variant of the packaging according to the invention. In Fig. 7, the packaging 39 is shown punched or cut out in one piece from a single piece of material and is shown flat, consisting of a backing member 40 which is in one piece with a packaging part 41. The packaging part is, together with a portion of the backing member, configured to form a cavity 42 intended to enclose the article (not shown). The packaging part has a wall 43, two side portions 44, 45, a top portion 46 and a bottom portion 47, two of said portions, in this example portions 46, 47, having tabs 48, 49; 50, 51 for cooperating with or adhering to the two other portions, in this example, the portions 44, 45, inside said cavity 42. In the illustrated embodiment it is the bottom portion 47 that forms the integral connection with the backing member 40. Three of said portions, in this case the portions 44, 45 and 46, have respective adhesive flap 52, 53 and 54 for sticking to the backing member 40. As indicated for the adhesive flap 52, the adhesive flaps 52 - 54 are folded at a right angle to the respective portion 44 - 46 so that the adhesive flaps are located in the cavity and there are stuck to the backing member 40. The wall 43 is shown in these figures with a display opening 55 for the article, and this opening is advantageously covered with a sheet or film 56 of a transparent material on the side of the wall 43 facing in towards the cavity 42. As in preceding embodiments, the backing member 40 is provided in an area above the packaging part 41 with an aperture 57 configured for hanging the device on a hanging rail or bar (not shown).

[0018] Figs. 10 - 12 show an embodiment of the packaging wherein a display opening for an article (not shown) is located in the backing member. In Fig. 10 the packaging 58 is shown punched or cut out in one piece from a single piece of material and is shown flat, consisting of a backing member 59 which is in one piece with a packaging part 60. Also in this embodiment, the packaging part is, together with a portion of the backing member, configured to form a cavity 61 intended to enclose the article (not shown). The packaging part has a wall 62, two side portions 63, 64, a top portion 65 and a bottom portion 66, two of said portions, in this example portions 65, 66, having tabs 67, 68; 69, 70 for cooperating with or adhering to the two other portions, in this example, the portions 63, 64, inside said cavity 61. In the illustrated embodiment it is the bottom portion 66 that forms the integral connection with the backing member 59. Three of said portions, in this case the portions 63, 64 and 65, have respective adhesive flap 71, 72 and 73 for sticking to the backing member 59 within the area 59'. As indicated for the adhesive flap 72, the adhesive flaps 71 - 73

are folded at a right angle to the respective portion 63 - 65 so that the adhesive flaps are located in the cavity and there are stuck to the backing member 59. The said opening in the backing member 59 for displaying the article is indicated by the reference numeral 74 and this opening may optionally be covered by a piece of material piece 75 consisting of a transparent film or sheet. Furthermore, it may be advantageous to allow, for example the flap 72 to be integrally made with at least one integral flap 76 designed to cover a part of said cut-out. This flap can be provided with marking or article-related information. Furthermore, the backing member 59, also in this case, can be provided with a hanging aperture 77. The wall 62 can, for example, be torn open in that weaknesses are provided.

[0019] Figs. 13 - 15 represent a variant of the packaging shown in Figs. 10 - 12. In Fig. 13 the packaging 79 is shown punched or cut out in one piece from a single piece of material and is shown flat, consisting of a backing member 80 which is in one piece with a packaging part 81. Also in this embodiment, the packaging part is, together with a portion of the backing member, configured to form a cavity 82 intended to enclose the article (not shown). The packaging part has a wall 83, two side portions 84, 85, a top portion 86 and a bottom portion 87, two of said portions, in this example portions 86, 87, having tabs 88, 89; 90, 91 for cooperating with or adhering to the two other portions, in this example, the portions 84, 85, inside said cavity 82. In the illustrated embodiment it is the bottom portion 87 that forms the integral connection with the backing member 80. Three of said portions, in this case the portions 84, 85 and 86, have respective adhesive flap 92, 93 and 94 for sticking to the backing member 80 within the area 80'. As indicated for the adhesive flap 93, the adhesive flaps 92 - 94 are folded at a right angle to the respective portion 84 - 86 so that the adhesive flaps are located in the cavity and there are stuck to the backing member 80. An opening 95 is provided in the backing member 80 for displaying the article. This opening may optionally be covered by a piece of material 96 consisting of a transparent film or sheet. In the illustrated embodiment, such covering is not shown. Furthermore, it may be advantageous to allow, for example, a marked flap 96, composed of a small, integral part of backing member 80, to form a lower part of the opening 95 and almost appear to enter therein. The provision of perforations 97 and weaknesses/perforations 98, 99 in an area below this flap 96 and then in the bottom portion 87 and thence in the wall 84, enables the flap 96 to serve as a tear-open flap, in addition to serving as information bearer. In this way the packaging can in fact been torn open from the flap 96 via the bottom 87 and the wall 83 up to the top portion 86. The extension of the perforation 99 by a tiny section 99' thereof into the top portion 86 results in a tear-open direction 100, as shown in Fig. 14. As shown in the earlier embodiments, the backing member 80, also in this case, can be equipped with a hanging aperture 101.

[0020] By means of the illustrated solutions, it is achieved that the adhesive flaps are positioned so as to be hidden, with the result that the part of the backing member which surrounds the cavity appears without any disfiguring elements. There are also obtained suitable tear-open solutions for the packaging and display possibilities for the article to be housed within the cavity formed by the packaging.

Claims

1. A packaging device for an article, the device comprising a backing member and a packaging part which is in one piece with the backing member, the packaging part, together with a portion of the backing member, being configured to form a cavity intended to enclose the article, the packaging part having a wall, two side portions, a top portion and a bottom portion, one of said portions forming an integral transition between the backing member and the packaging part, wherein two of said portions have tabs for cooperating with or adhering to the two other portions inside said cavity, and wherein three of said portions are each provided with an adhesive flap that is folded in relation to the respective portion, so that the respective adhesive flap is located inside the cavity and there is stuck to the backing member.

2. A device according to claim 1, wherein at least one of the backing member and the wall is provided with a cut-out for display of at least a part of the article when it is housed in said cavity.

3. A device according to claim 1, wherein the backing member has a cut-out for display of at least a part of the article when it is housed in said cavity; and wherein said wall, said bottom portion and a portion of the backing member between the cut-out and the bottom portion are provided with weaknesses or perforations for tear-opening.

4. A device according to claim 1, wherein the backing member has a cut-out for display of at least a part of the article when it is housed in said cavity; and that said wall or one of said portions is provided with weaknesses or perforations for tear-opening.

5. A device according to claim 1, wherein the wall has a cut-out for display of at least a part of the article when it is housed in said cavity; and wherein one of said portions is provided with weaknesses or perforations for tear-opening.

6. A device according to claim 2, wherein the cut-out is covered by a transparent material stuck to the backing member on a surface thereof facing the cavity.

7. A device according to claim 5, wherein the cut-out is covered by a transparent material stuck to the wall on the surface thereof facing the cavity.

8. A device according to claim 1, wherein said wall or one of said portions is provided with weaknesses or perforations for tear-opening.

9. A device according to claim 3, wherein a part of the backing member in extension of the portion of the backing member provided with weaknesses or perforations forms a tear-open grip tab.

10. A device according to claim 2, wherein at least one of the adhesive flaps is provided with at least one integral tab designed to cover a part of said cut-out.

11. A device according to claim 9, wherein the tear-open tab is providable with marking or article-related information.

12. A device according to claim 10, wherein the tab is providable with marking or article-related information.

Fig.1.

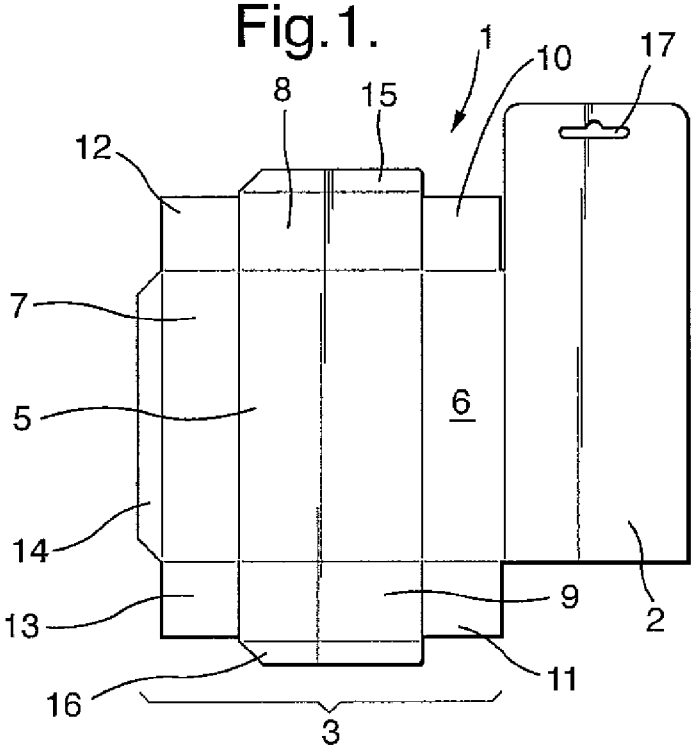

Fig.2.

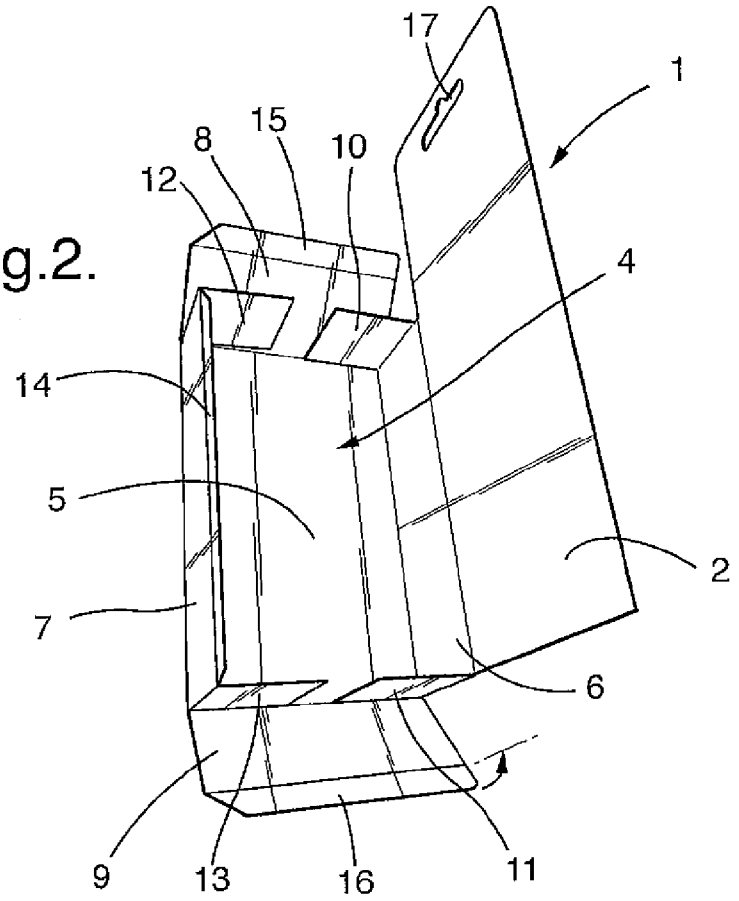

Fig.3.

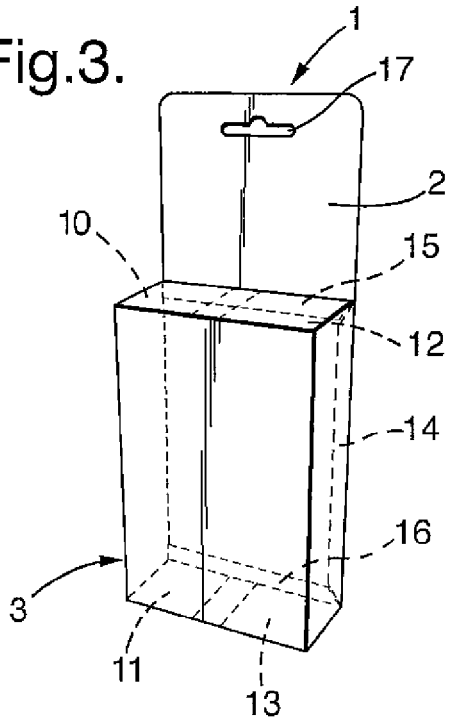
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Fig.4.

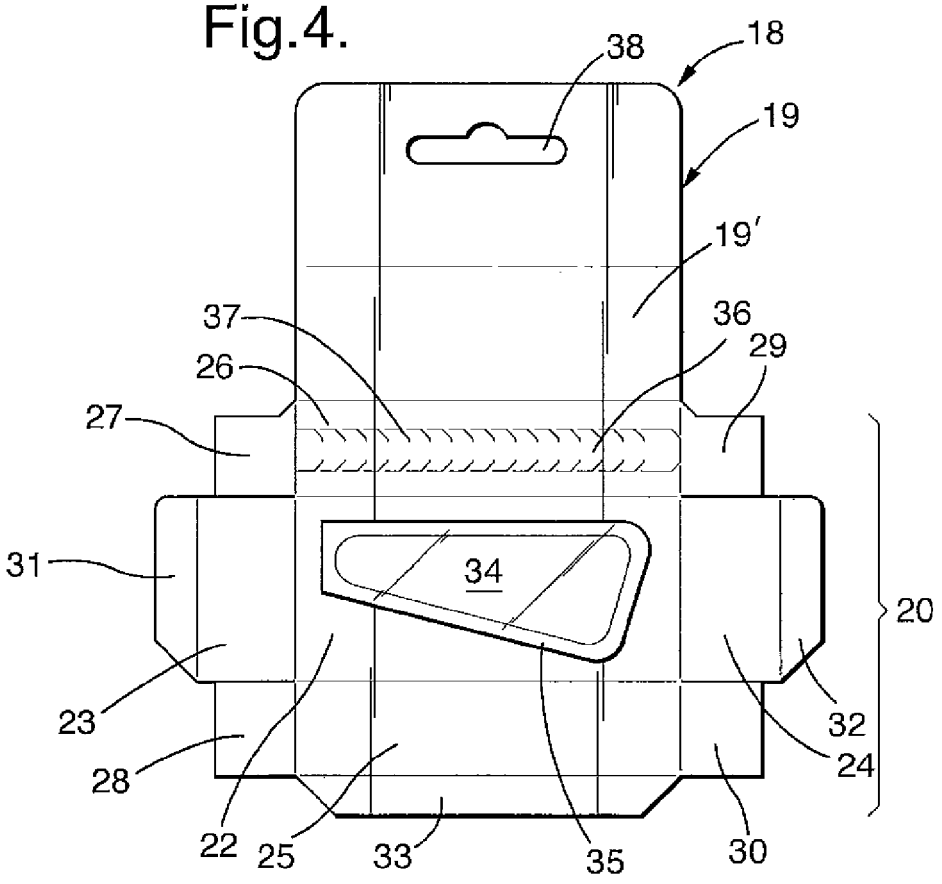
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Fig.5.

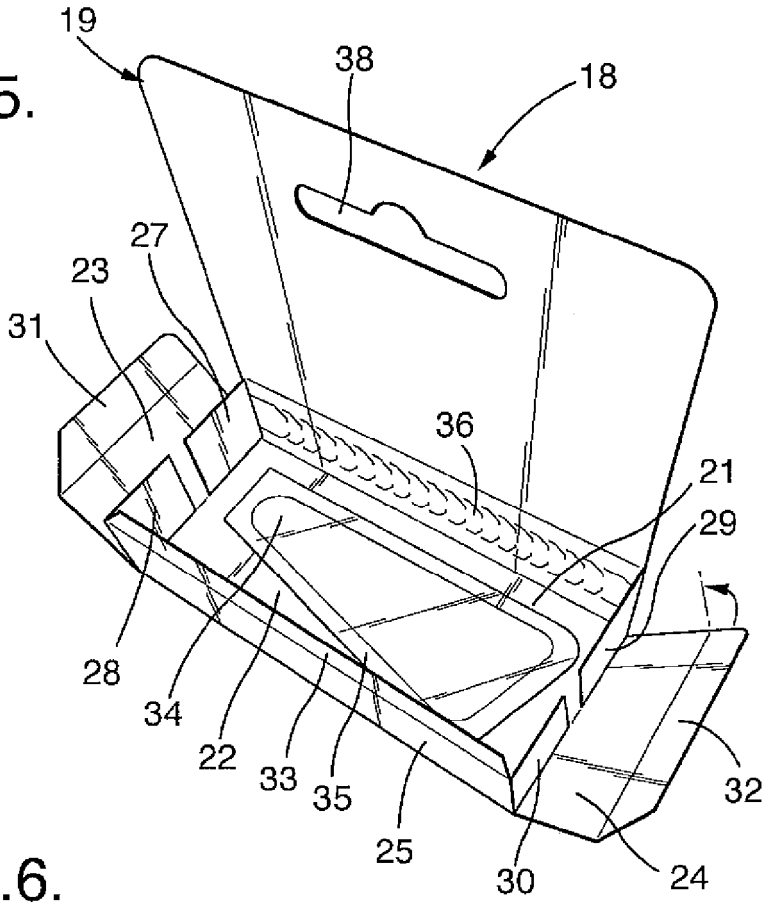
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Fig.6.

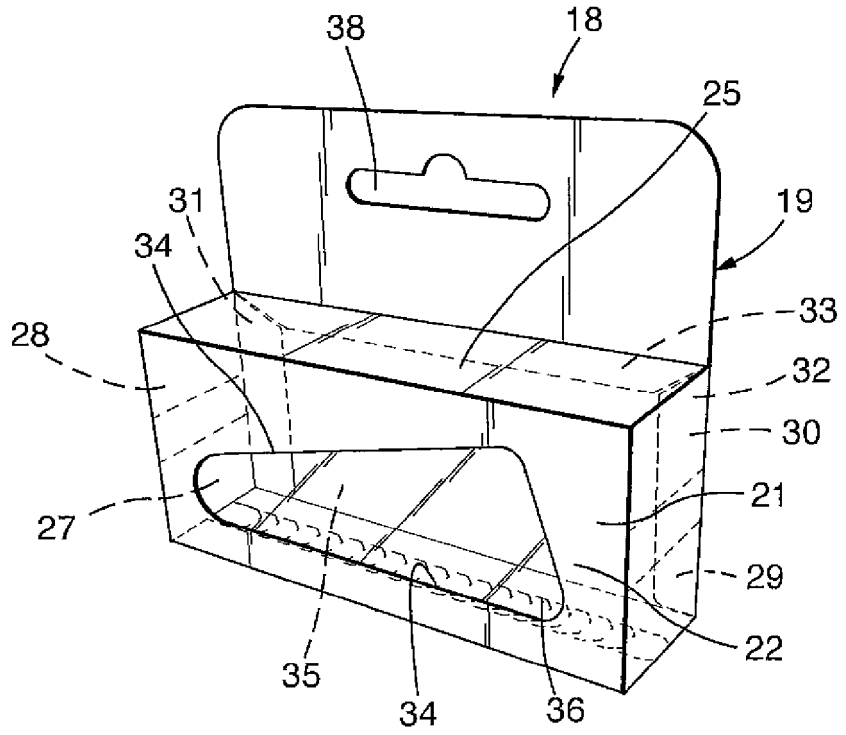
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Fig.7.

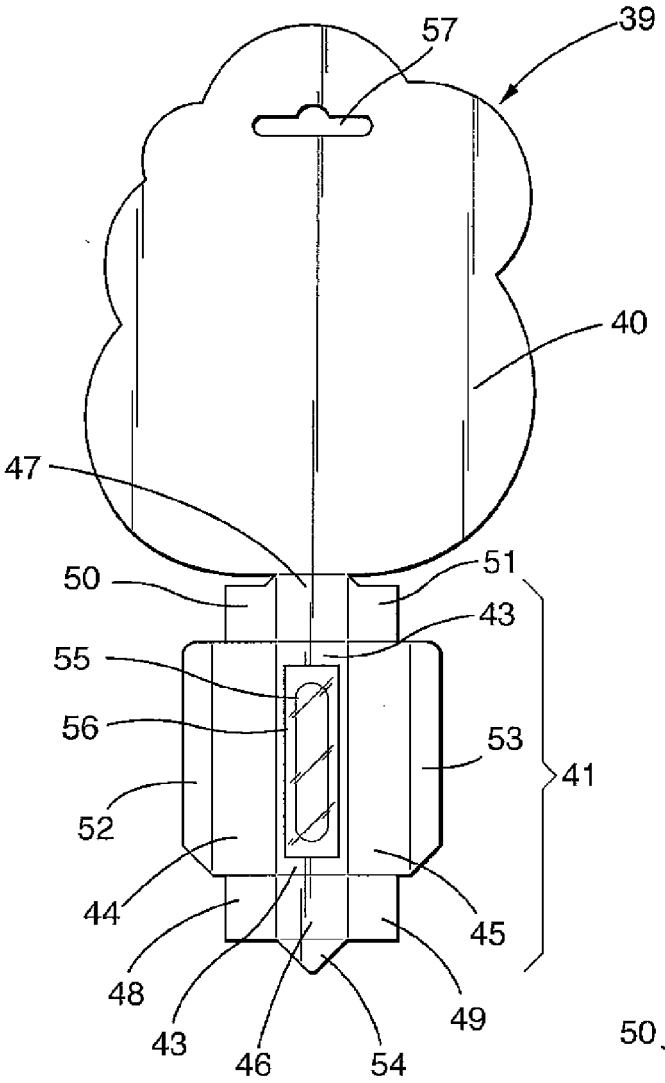
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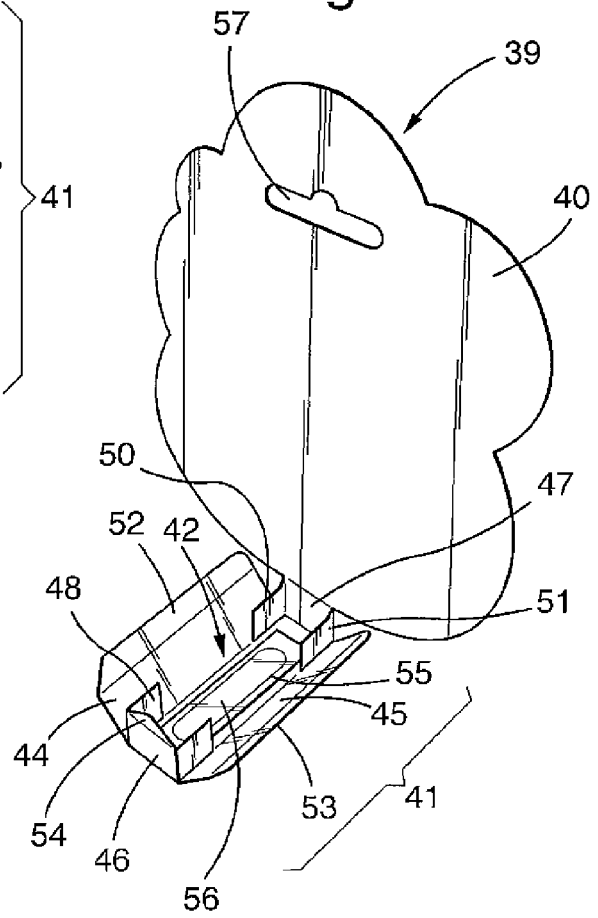
Fig.8.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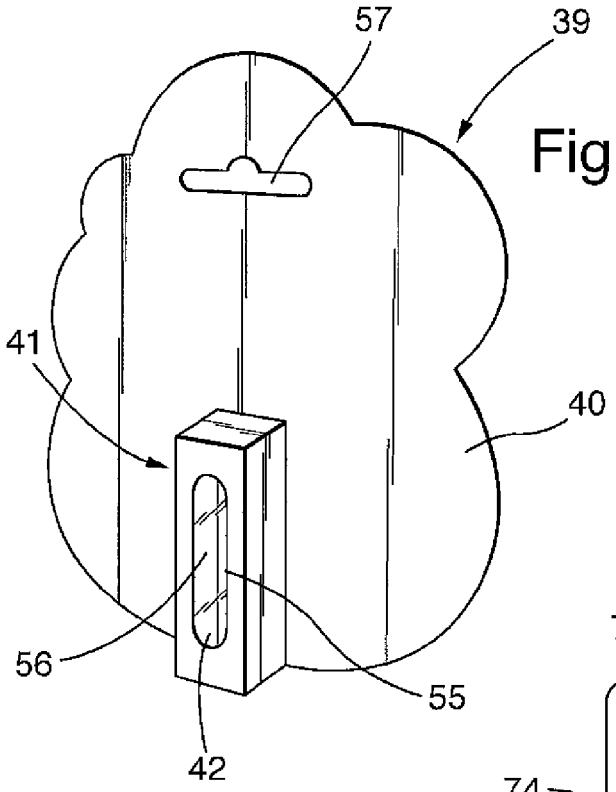
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Fig. 9.

Fig.10.

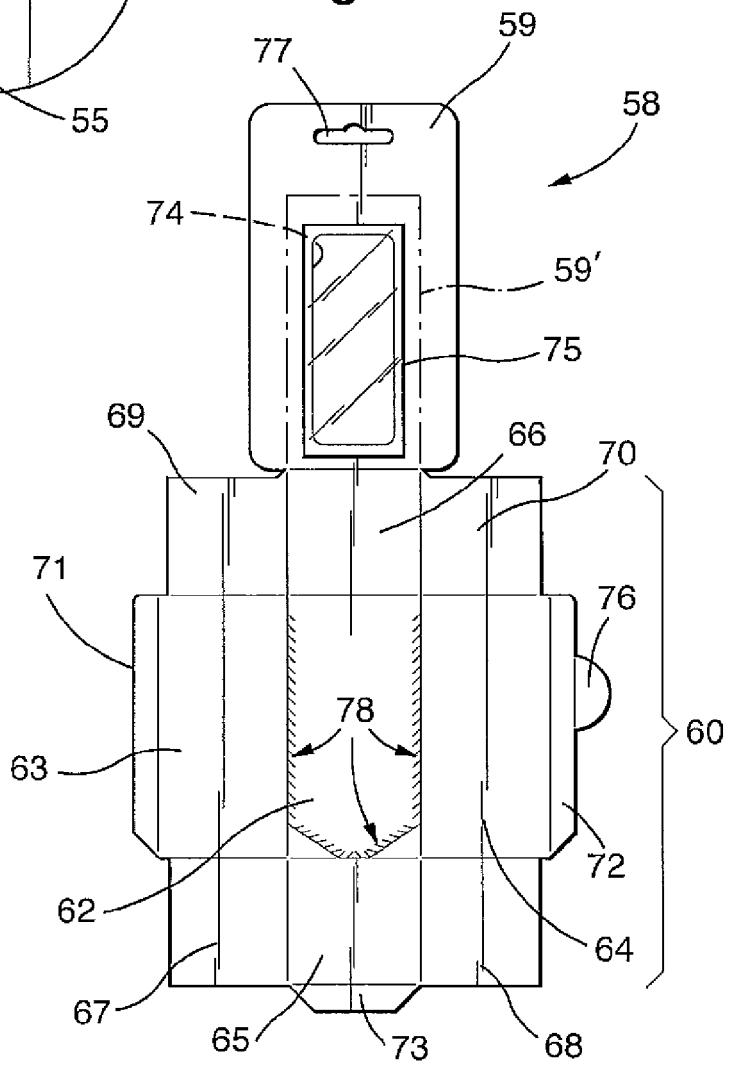
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Fig.11.

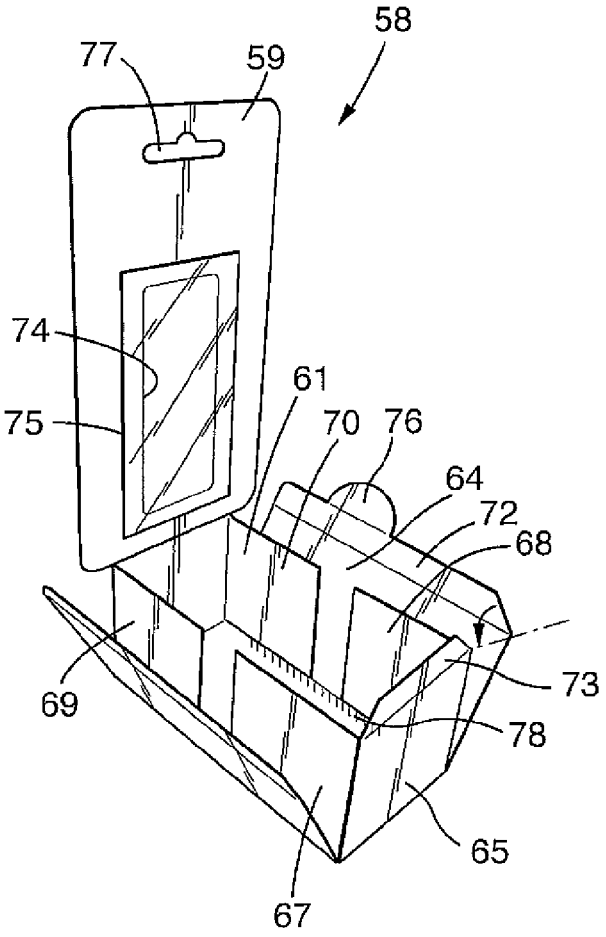
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Fig.12.

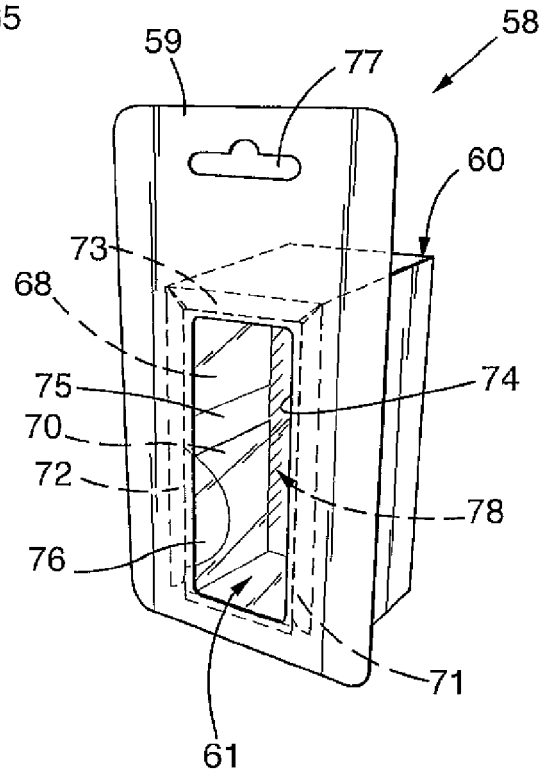
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Fig.13.

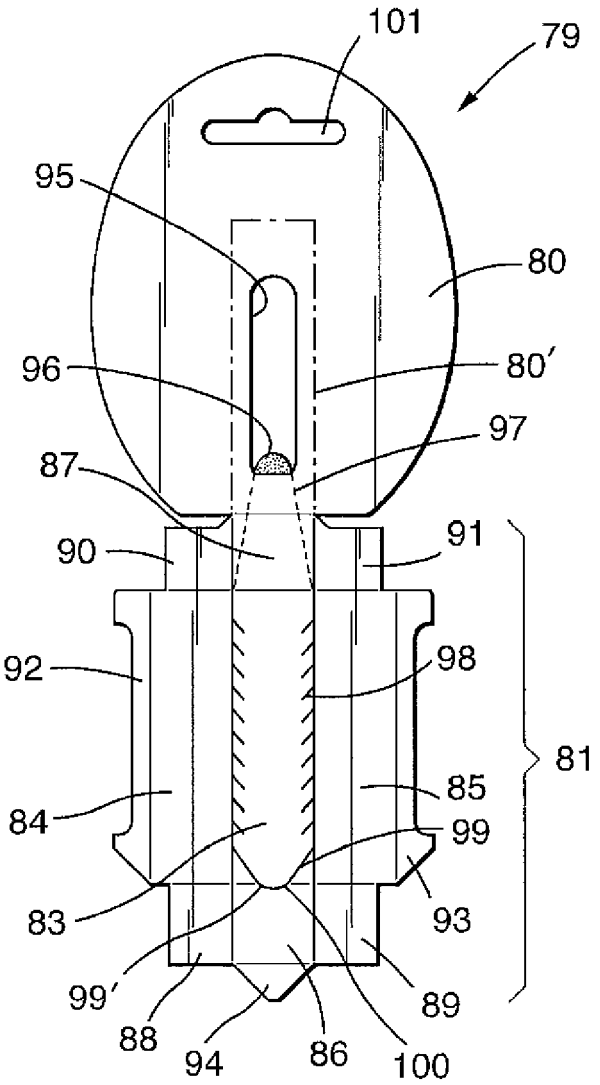
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Fig.14.

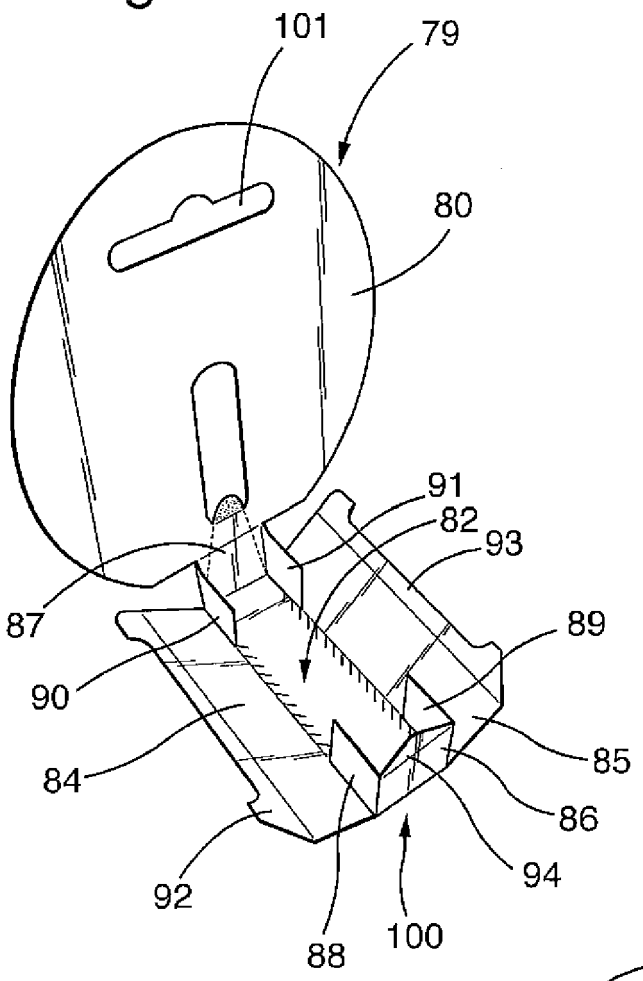
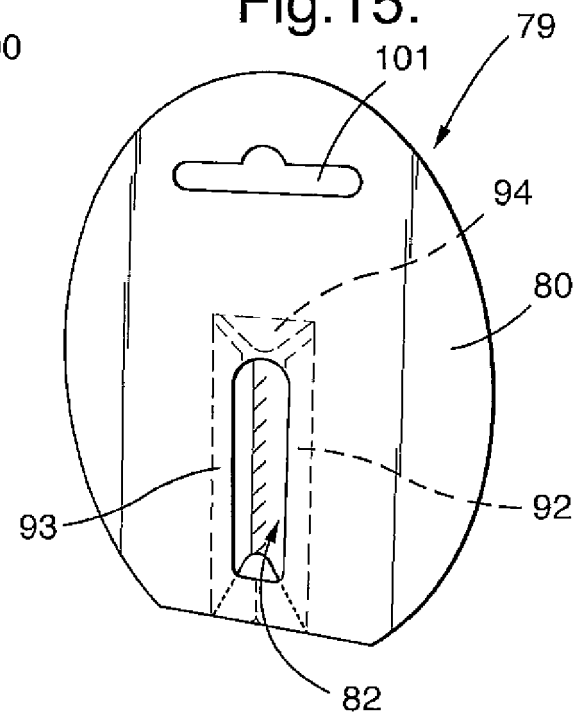


Fig.15.



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EUROPEAN SEARCH REPORT

Application Number
EP 08 15 6637

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X Y	DE 102 51 954 A1 (DURAVIT AG [DE]) 19 May 2004 (2004-05-19) * paragraph [0013] - paragraph [0017]; figure 3 *	1 2-12	INV. B65D5/42
Y	US 6 978 887 B1 (BINGHAM VICTORIA J [US]) 27 December 2005 (2005-12-27) * column 2, line 18 - line 44; figures 1-3 *	2-7,9	
Y	DE 100 15 053 A1 (BEIERSDORF AG [DE]) 27 September 2001 (2001-09-27) * column 5, line 48 - line 68; figure 1 *	8	
Y	WO 2005/012116 A (L J COMM INC [CA]; JOURDAIN LOUIS [CA]) 10 February 2005 (2005-02-10) * page 3, line 15 - line 28; figures 1,2 *	10-12	
X	GB 869 286 A (ROWLAND DIXON) 31 May 1961 (1961-05-31) * page 1, line 62 - page 2, line 50; figures 4-6 *	1	TECHNICAL FIELDS SEARCHED (IPC) B65D

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
Munich	17 September 2008	Vesterholm, Mika

CATEGORY OF CITED DOCUMENTS

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17-09-2008

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

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