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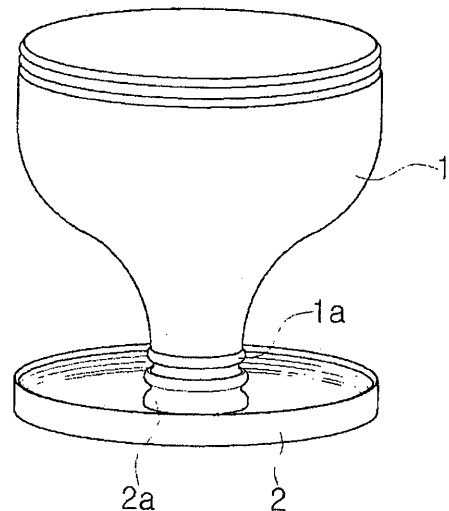
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(54) **BEVERAGE OR ALCOHOL CONTAINER**

(57) The present invention relates to a beverage or liquor container. The beverage or liquor container of the present invention includes: a body containing contents therein in a shape of a funnel with an open upper portion having a large inner diameter and a closed lower portion having an inner diameter gradually decreased as it goes downwardly and having a first connection part formed at either an inner peripheral surface or an outer peripheral surface of the lower portion thereof; and a lid fastened to the open upper portion having the large inner diameter of the body so as to close the body and having a second connection part formed at either an inner peripheral surface or an outer peripheral surface of the center thereof in such a manner as to be connected to the first connection part.

[Fig. 3]



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Description

[Technical Field]

[0001] The present invention relates to a beverage and liquor container, and more particularly, to a beverage and liquor container that allows a body containing a beverage or liquor therein and a lip covering the body to be inversely coupled to each other, thus being used as a cup or glass.

[Background Art]

[0002] Generally, beverage and liquor containers mean the containers in which contents like beverages or liquor are contained.

[0003] The beverage and liquor containers have various shapes in accordance with the kinds of the contents to be contained therein.

[0004] As shown in FIG. 1, the beverage and liquor container generally has a body 10 into which contents are filled and a lid 20 closing the body 10.

[0005] In this case, if the contents filled in the body 10 are all consumed, the beverage and liquor container is thrown away and treated as waste.

[0006] So as to remove the above-mentioned problem, accordingly, Korean Utility Model Publication No. 1994-9921 has propose a recyclable container.

[0007] In this case, the recyclable container includes a lip, a body, and a lower cover supporting the body.

[0008] Further, the body has a groove for cutting.

[0009] If the contents filled in the container are all consumed, the lower cover disposed on the lower end periphery of the container is separated and the body is cut. Next, the top portion of the body cut is closed by the lid, and the separated lower cover is coupled to the intermediate portion of the body, thus being used as a cup.

[0010] As a result, the conventional recyclable container may be advantageously recycled, but the cut lower side of the body should be just treated as waste.

[0011] In case of the conventional recyclable container, besides, the cut line should be formed on one side of the container, and the bottom plate of the container has to be inconveniently separated from the container. Furthermore, the inside of the bottom plate should be melted by heat so as to form a shape of a cup, thus making it hard to be utilized in practical use.

[Disclosure]

[Technical Problem]

[0012] Accordingly, the present invention has been made in view of the above-mentioned problems occurring in the prior art, and it is an object of the present invention to provide a beverage and liquor container that allows a body to be turned over and coupled to a lip after the beverage or liquor in the container is consumed, thus being used as a cup or glass, that is, for other purposes.

[0013] It is another object of the present invention to provide a beverage and liquor container that allows a body and a lip to be coupled to each other and recycled after the use, thus preventing waste from being much generated.

[Technical Solution]

[0014] To accomplish the above-mentioned objects, according to the present invention, there is provided a beverage and liquor container including: a body containing contents therein in a shape of a funnel with an open upper portion having a large inner diameter and a closed lower portion having an inner diameter gradually decreased as it goes downwardly and having a first connection part formed at either an inner peripheral surface or an outer peripheral surface of the lower portion thereof; and a lid fastened to the open upper portion having the large inner diameter of the body so as to close the body and having a second connection part formed at either an inner peripheral surface or an outer peripheral surface of the center thereof in such a manner as to be connected to the first connection part.

[Advantageous Effects]

[0015] According to the present invention, the beverage and liquor container allows the body to be turned over and coupled to the lip after the beverage or liquor in the container is consumed, thus being used as a cup or glass, thus expecting the compatibility of the product.

[0016] Further, the beverage and liquor container according to the present invention allows the body and the lip to be coupled to each other and recycled after the use, thus preventing waste from being much generated.

[Description of Drawings]

[0017]

FIG.1 is a perspective view showing a general beverage and liquor container.

FIG.2A is a perspective view showing the coupling state of a beverage and liquor container according to a first embodiment of the present invention.

FIG.2B is an exploded perspective view showing the beverage and liquor container according to the first embodiment of the present invention.

FIG.3 is a perspective view showing the transformed state of the beverage and liquor container according to the first embodiment of the present invention.

FIGS4A to 4D are longitudinal sectional views showing a beverage and liquor container according to a second embodiment of the present invention.

FIG.5 is a sectional view showing the structures of first and second connection parts of the beverage and liquor container according to the present invention.

FIG.6 is a top view showing the beverage and liquor container having various shapes according to the present invention.

[Mode for Invention]

[0018] Hereinafter, an explanation on a beverage and liquor container according to preferred embodiments of the present invention will be in detail given with reference to the attached drawings.

[0019] FIGS.2A and 2B are perspective and exploded perspective views showing a beverage and liquor container according to a first embodiment of the present invention, and FIG.3 is a perspective view showing the transformed state of the beverage and liquor container according to the first embodiment of the present invention.

[0020] As shown, a beverage and liquor container according to a first embodiment of the present invention largely includes a body 1 containing contents therein and a lid 2 closing the body 1.

[0021] According to the present invention, the body 1 is shaped like a funnel with an open upper portion having a large inner diameter and a closed lower portion having an inner diameter gradually decreased as it goes downwardly, and further, the body 1 has a first connection part 1 a formed at either an inner peripheral surface or an outer peripheral surface of the lower portion thereof. The lid 2 has a second connection part 2a formed at either an inner peripheral surface or an outer peripheral surface of the center thereof in such a manner as to be connected to the first connection part 1 a.

[0022] The first connection part 1 and the second connection part 2a are screw-coupled to each other, but they may be coupled to each other by means of press-fitting or other ways.

[0023] The body 1 and the lid 2 are made of various materials such as glass, plastic, paper and the like.

[0024] The lid 2 of the present invention has a relatively larger outer diameter than conventional lids, and desirably, the outer diameter of the lid 2 is similar to the large outer diameter of the body 1.

[0025] When the lid 2 closes the body 1 in the state where a beverage or liquor is contained in the body 1, the beverage or liquor container has a general container shape, but if the lid 2 is open and connected to the underside of the body 1, that is, if the first connection part 1a and the second connection part 2a are fastened to each other, the container has a shape of a cup. Especially, the container may have a shape of a wine glass according to the shapes of the body 1 and the lid 2.

[0026] The lid 2 serves as a cap if it closes the body 2 and as a base if used for drinking or recycled after open.

[0027] Particularly, the beverage and liquor container according to the present invention can be used to allow the beverage or liquor to be drunk, and further, the container can be transformed to a shape of a cup, thus removing the inconveniences occurring when the portable

beverage or liquor is drunk.

[0028] In more detail, generally, since the portable beverage or liquor has a small quantity, it can be all consumed one time. Desirably, the quantity of the beverage or liquor contained in the container can become the quantity of the beverage or liquor (for example, Soju as distilled liquor, wine, beer or raw rice wine) contained in one cup or glass, and therefore, the beverage and liquor container of the present invention can be applied to a variety of uses.

[0029] Next, an explanation on the process for using the beverage and liquor container of the present invention will be given.

[0030] First, an example of recycling the beverage and liquor container according to the present invention will be described.

[0031] The beverage and liquor container of the present invention is distributed to the market in the state where the body 1 contains beverage, liquor or liquid food therein and the lid 2 closes the body 1.

[0032] In this state, the beverage or liquor is generally drunk after the lid 2 is separated from the body 1.

[0033] In the state where the beverage or liquor contained in the body 1 is consumed, the second connection part 2a formed at the center of the lid 2 is coupled to the first connection part 1 a formed on the lower periphery of the body 1.

[0034] If the lid 2 is coupled to the body 1, as shown in FIG.3, the lid 2 serves as a base, and the body 1 serves as a cup or glass.

[0035] After the use as the beverage and liquor container, accordingly, the body 1 and the lid 2 of the container are coupled to each other, so that the beverage and liquor container can be used as a cup or glass, thus being extended in the use range thereof and preventing waste from being produced.

[0036] Second, an example of transforming the beverage and liquor container according to the present invention into a cup and allowing the beverage or liquor to be drunk by the cup will be described.

[0037] The beverage and liquor container of the present invention is distributed to the market in the state where the body 1 contains beverage, liquor or liquid food therein and the lid 2 closes the body 1.

[0038] In this state, the lid 2 is separated from the body 1. At this time, the lid 2 is open to allow the open portion to be located up, so that the beverage or liquor is still contained in the body 1.

[0039] Next, the second connection part 2a of the lid 2 open is coupled to the first connection part 1 a formed on the lower periphery of the body 1.

[0040] As shown in FIG.3, this state means that the beverage or liquor is contained in the body 1 and the lid 2 serves as a base, so that the container can be used as a cup for providing the beverage or liquor in the state of being placed on all places like a table and so on.

[0041] Further, the body 1 and the lid 2 have a cylindrical shape, but they may have a polygonal shape. If

they have the polygonal shape, the body 1 has a shape of a funnel with a width gradually decreased toward the lower end portion thereof, and the first connection part 1a is formed on the lower end portion of the body 1 and connected to the second connection part 2a of the lid 2.

[0042] FIGS.4A to 4D are longitudinal sectional views showing a beverage and liquor container according to a second embodiment of the present invention.

[0043] As shown in FIGS.4A to 4D, a beverage and liquor container according to a second embodiment of the present invention includes a body 11, a lid 12, a sealing member 13 and a sealing material 14. The sealing material 14 may be applicable to the container as shown in FIGS.2A to 3.

[0044] FIG.4A shows an exploded view of the beverage and liquor container according to the second embodiment of the present invention, FIG.4B shows the coupled state thereof, FIG.4C shows the state wherein after the lid 12 is open and coupled to the opposite side thereto, the container is turned over, and FIG.4D shows the state wherein the sealing material 14 is taken off to drink the beverage or liquor.

[0045] The beverage and liquor container according to the second embodiment of the present invention has the same structure and function as that as shown in FIGS. 2A to 3, excepting that the portion with the small width on the body 11 is completely closed by means of the sealing member 13.

[0046] This is because the existing facilities used for producing the beverage or liquor can be used without any change. Generally, beverage or liquor is filled toward the portion having a small width of the container in the state where the portion having a large width of the container is placed on the floor, but contrarily, the entrance of the container according to the present invention has a large width. So as to utilize the existing facilities, without any change, the beverage or liquor is filled not into the entrance of the container of the present invention, but into the opposite side to the entrance, and then, the portion through which the beverage or liquor has been filled is completely closed by means of the sealing member 13.

[0047] As shown in FIG.4A, the sealing material 14 is bonded to the body 11 and coupled to the lid 12, and after that, the beverage or liquor is filled into the body 11. Next, the sealing member 13 is coupled to the body 11, thus making a finished product closed completely. The finished product is as shown in FIG.4B.

[0048] The finished product as shown in FIG.4B is provided and sold, and the lid 12 is open in the state where the body 11 is in the state as shown in FIG.4B or the body 11 is turned over. Next, the second connection part 12a of the lid 12 is fastened to the first connection part 11a of the body 11. This becomes the state as shown in FIG.4C. At this state, the container becomes the state of being usable as a cup.

[0049] After that, the sealing material 14 is taken off from the body 11, and the container becomes a shape of a cup into which the beverage or liquor is contained.

[0050] FIG.5 is a sectional view showing the structures of first and second connection parts of the beverage and liquor container according to the present invention.

[0051] As shown in FIG.5, the second connection part 12a of the lid 12 and the first connection part 11a of the body 11 are coupled to each other by means of screw-tap coupling as shown in FIGS.2A to 3, and further, they are fastened to each other by means of press-fitting (projection locking) through the formation of a protruding portion 11b and a depressed portion 12b. In the same manner as above, the press-fitting coupling can be applied to that as shown in FIGS.2A to 3.

[0052] FIG.6 is a top view showing the beverage and liquor container having various shapes according to the present invention.

[0053] As shown in FIG.6, the beverage and liquor container according to the present invention may have various sectional shapes such as circle, triangle, square, hexagon, and polygon.

[0054] While the present invention has been described with reference to the particular illustrative embodiments, it is not to be restricted by the embodiment but only by the appended claims. It is to be appreciated that those skilled in the art can change or modify the embodiments without departing from the scope and spirit of the present invention.

Claims

1. A beverage and liquor container comprising:

a body containing contents therein in a shape of a funnel with an open upper portion having a large inner diameter and a closed lower portion having an inner diameter gradually decreased as it goes downwardly and having a first connection part formed at either an inner peripheral surface or an outer peripheral surface of the lower portion thereof; and

a lid fastened to the open upper portion having the large inner diameter of the body so as to close the body and having a second connection part formed at either an inner peripheral surface or an outer peripheral surface of the center thereof in such a manner as to be connected to the first connection part.

2. A beverage and liquor container comprising:

a body containing contents therein in a shape of a funnel and having a first connection part formed on the outer peripheral surface of the end portion having a small width thereof and a sealing member fitted to an entrance thereof; and

a lid fastened to the end portion having a large width of the body so as to close the body and

having a second connection part formed at the center thereof in such a manner as to be connected to the first connection part.

- 3. The beverage and liquor container according to claim 1 or 2, wherein a sealing material is bonded to the end periphery of the body fastened to the lid. 5
- 4. The beverage and liquor container according to claim 1 or 2, wherein the first connection part and the second connection part are fastened to each other by means of screw-tap coupling or press-fitting. 10
- 5. The beverage and liquor container according to claim 1 or 2, wherein the body has any one of polygonal sections. 15

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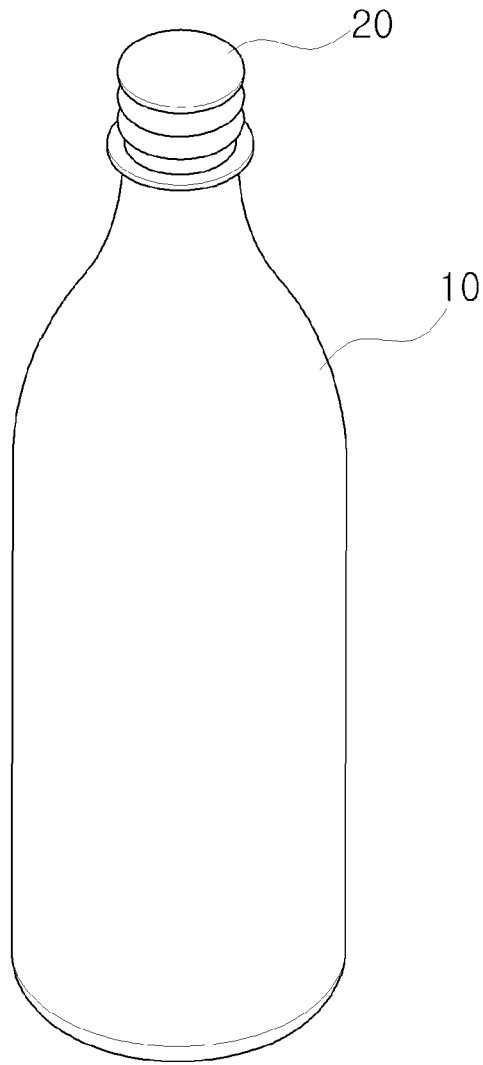
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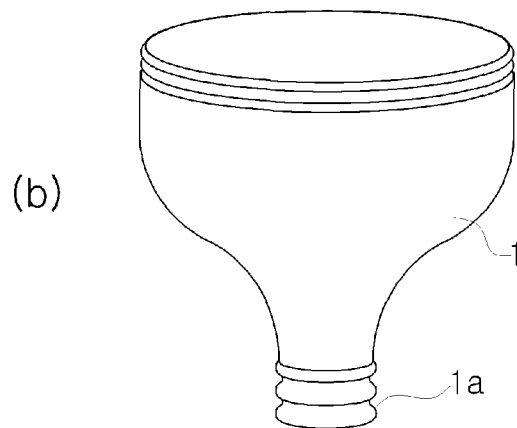
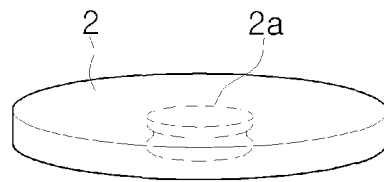
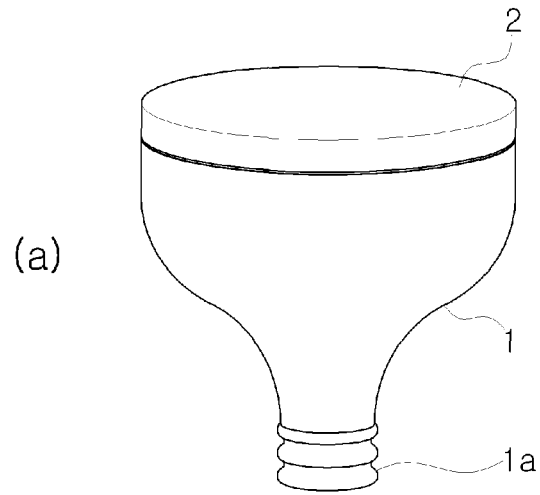
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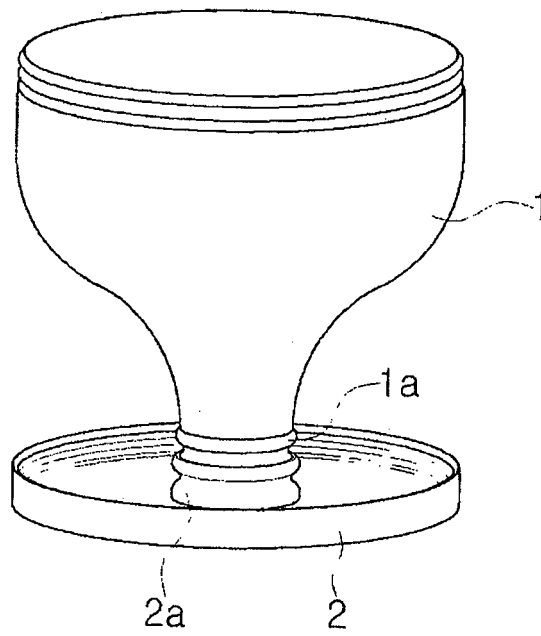
[Fig. 1]



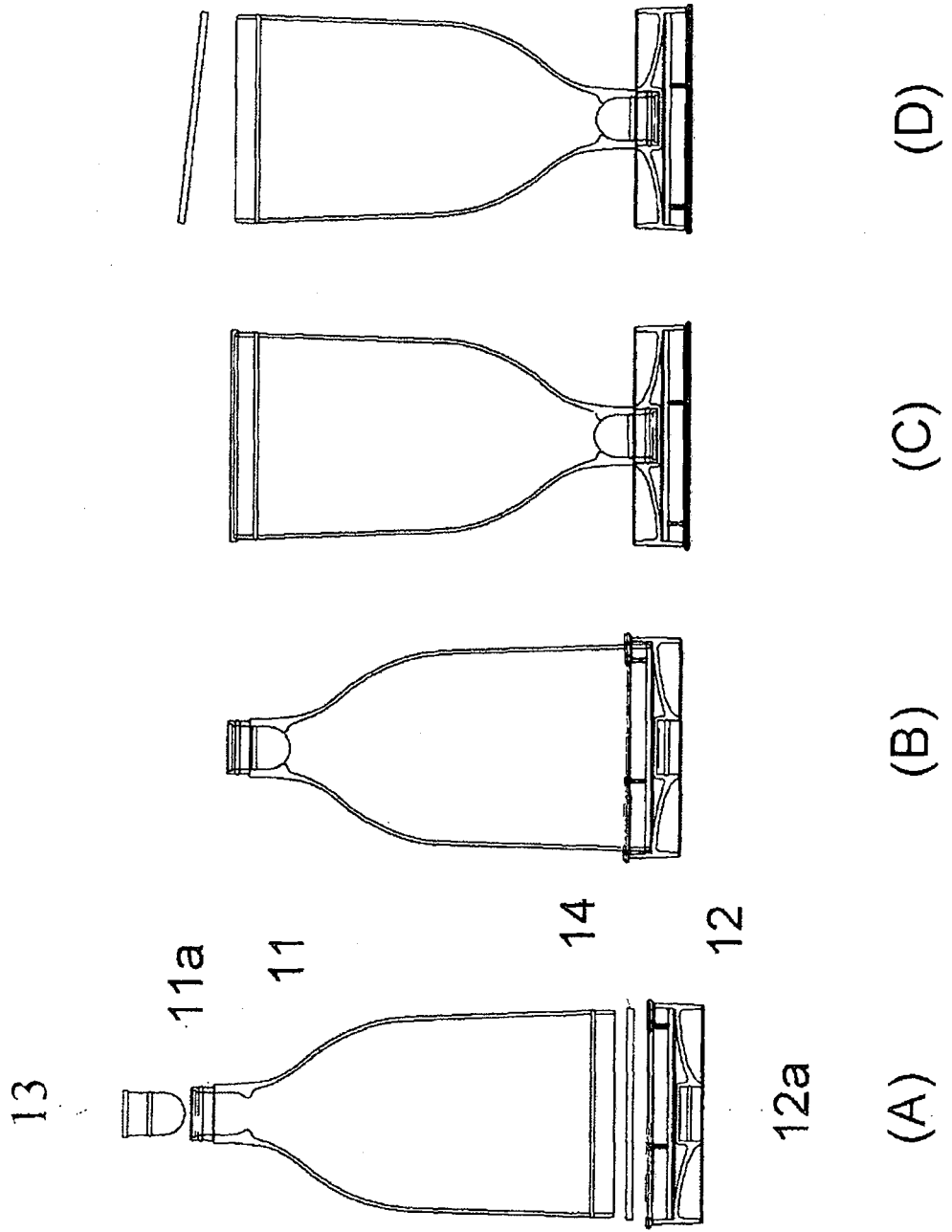
[Fig. 2]



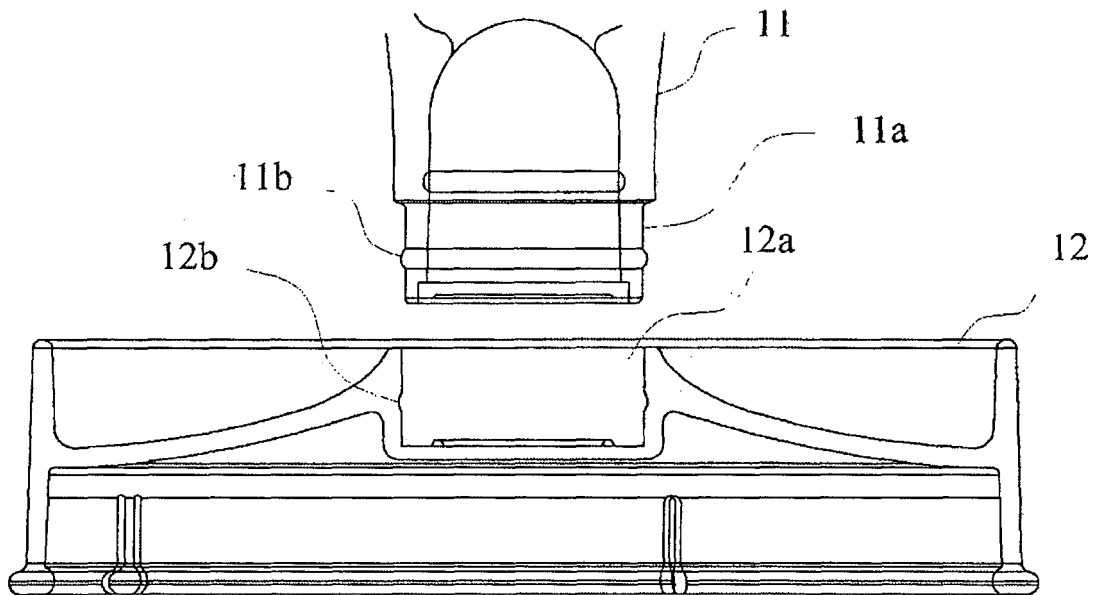
[Fig. 3]



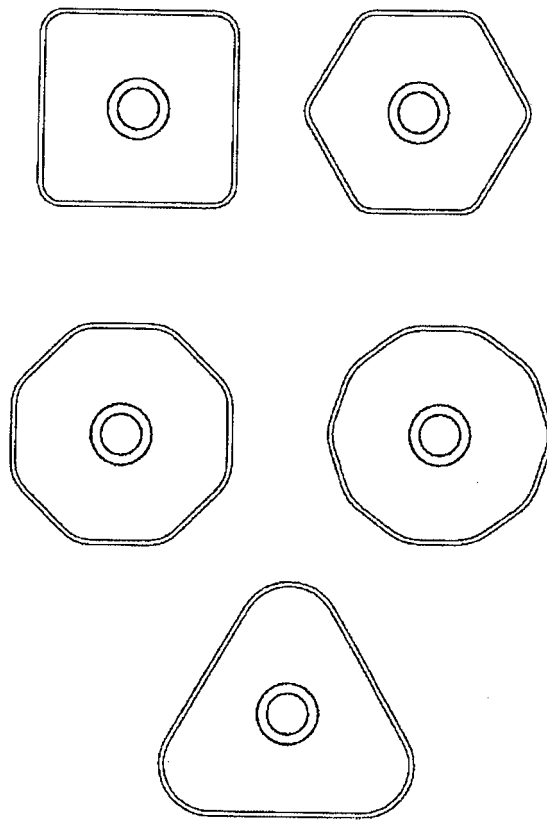
[Fig. 4]



[Fig. 5]



[Fig. 6]




INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2012/010004

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A. CLASSIFICATION OF SUBJECT MATTER												
B65D 81/36(2006.01)i, B65D 1/06(2006.01)i, B65D 8/04(2006.01)i, A47G 19/22(2006.01)i												
According to International Patent Classification (IPC) or to both national classification and IPC												
B. FIELDS SEARCHED												
Minimum documentation searched (classification system followed by classification symbols) B65D 81/36; B65D 25/00; B65D 25/24; B65D 1/22; B65D 51/24; A61J 1/05; A47G 19/22												
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean Utility models and applications for Utility models: IPC as above Japanese Utility models and applications for Utility models: IPC as above												
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) eKOMPASS (KIPO internal) & Keywords: cup, lid, sealing												
C. DOCUMENTS CONSIDERED TO BE RELEVANT												
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.										
X Y	KR 20-1990-0007542 Y1 (NONGSHIM CO.,LTD) 20 August 1990 See page 1 and claim 1 and figures 1-3.	1,4-5 2-3										
Y	JP 2005-053527 A (TEEIKU WAN SOGO JIMUSHO K.K.) 03 March 2005 See figures 4, 5(B).	2										
Y A	KR 20-1994-0007259 Y1 (LEE, WON SIK) 17 October 1994 See claim 1 and figures 4-Ga, 4-Na.	3 1-2										
A	JP 2001-039445 A (HOSHINO HISAYA) 13 February 2001 See figure 1.	4										
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.												
* Special categories of cited documents: <table border="0"> <tr> <td>"A" document defining the general state of the art which is not considered to be of particular relevance</td> <td>"I" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td> </tr> <tr> <td>"E" earlier application or patent but published on or after the international filing date</td> <td>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</td> </tr> <tr> <td>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</td> <td>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</td> </tr> <tr> <td>"O" document referring to an oral disclosure, use, exhibition or other means</td> <td>"&" document member of the same patent family</td> </tr> <tr> <td>"P" document published prior to the international filing date but later than the priority date claimed</td> <td></td> </tr> </table>			"A" document defining the general state of the art which is not considered to be of particular relevance	"I" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family	"P" document published prior to the international filing date but later than the priority date claimed	
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"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone											
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Date of the actual completion of the international search		Date of mailing of the international search report										
19 MARCH 2013 (19.03.2013)		19 MARCH 2013 (19.03.2013)										
Name and mailing address of the ISA/KR  Korean Intellectual Property Office Government Complex-Daejeon, 189 Seonsa-ro, Daejeon 302-701, Republic of Korea Facsimile No. 82-42-472-7140		Authorized officer Telephone No.										

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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/KR2012/010004

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REFERENCES CITED IN THE DESCRIPTION

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Patent documents cited in the description

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