



(51) International Patent Classification:
B65D 85/00 (2006.01)

(21) International Application Number:
PCT/EP2017/052062

(22) International Filing Date:
31 January 2017 (31.01.2017)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10 2016 011 232.8
19 September 2016 (19.09.2016) DE

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(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO,
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,

HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KH, KN, KP, KR,
KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG,
MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM,
PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC,
SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR,
TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ,
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,
TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,
MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
KM, ML, MR, NE, SN, TD, TG).

Published:
— with international search report (Art. 21(3))

(54) Title: PACKAGING FOR TOOL

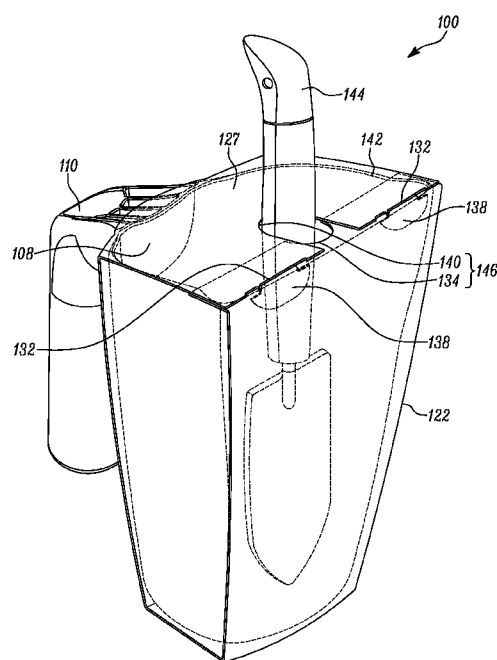


FIG. 5

(57) Abstract: A package (100, 200) for a tool (102, 144, 244, 250, 252) has a covering portion defined by a plurality of walls for enclosing the tool (102, 144, 244, 250, 252) and at least one exposed side portion (104, 106) of the package (100, 200) configured to display the tool (102, 144, 244, 250, 252) packaged inside the package (100, 200), further at least one cut-out (108, 208) provided on any one of the plurality of walls (116, 216).



PACKAGING FOR TOOL

TECHNICAL FIELD

The present invention relates to a packaging, and more particularly to a packaging for a garden tool.

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BACKGROUND

There are already known various constructions of packages for a variety of articles to be sold. The packages are designed to protect the articles from external environmental factors including, but not limited to, dust, water or moisture, and heat. One of the objectives of providing the packaging for the articles is to provide protection to the articles in situations including, but not limited to, manufacturing, transportation, and storage like warehouses, factory outlets, and retail outlets or retail shops.

Among the known packaging methods, one kind of packaging method that involve displaying of the articles packaged inside the packaging is 'blister packaging' method. The blister packaging method typically includes carded packaging in which the articles such as, but not limited to, hardware articles, toys, electrical items and other tools are stored between a paperboard card and a transparent plastic member. A prospective purchaser can visually see the articles through the transparent plastic member and examine the articles. The transparent plastic member covering can be made using a thermoforming process for having a snug fitting between the paperboard card and the transparent plastic member. Alternatively, the blister packaging method may involve affixing the transparent plastic member through heat and pressure energies. The heat and pressure energies can establish an adhesive bonding between the paperboard card and the transparent plastic member. The adhesive bonding may found to be a tamper proof and leak proof packaging. However, the packaging made using the blister packaging method may not be suitable for all kind of articles. The blister packaging method may have a limitations such as, difficulty in providing a handling experience of the article for examining the article. In addition, in the blister packaging method it may not be possible to place the articles

back after examining by opening or removing the packaging. Therefore, in light of the foregoing, there is a need for providing a packaging method which may overcome one or more limitations of the packaging method mentioned above.

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SUMMARY

In view of the above, it is an objective of the present invention to solve or at least reduce the problems discussed above. The objective is at least partially achieved according to a package in an embodiment of the present invention. The package accommodates one or more tools.

The package for a tool includes a covering portion defined by a plurality of walls for enclosing the tool. The package further includes at least one exposed side portion of the package configured to display the tool packaged inside the package further at least one cut-out is provided on any one of the plurality of walls. The cut-out allows a portion of the tool to peek out from the cut-out.

According to an aspect of the present invention, the plurality of walls encloses the tool partially.

According to an aspect of the present invention, the portion of the tool is a holding part of the tool.

According to an aspect of the present invention, the tool is a Can.

According to an aspect of the present invention, the holding part of the Can is a handle. The handle peeks out from the Cut-out of the package.

According to an aspect of the present invention, the at least one cut-out is configured to allow holding the portion of the tool.

According to an aspect of the present invention, the covering portion includes a base wall having a first edge and a second edge opposite to the first hedge. Further, a front wall extends from the first edge of the base wall. The package further includes a rear wall extending from the second edge of the base wall. A top wall extends from the rear wall, the top wall detachably connected to the front wall forming a closed

package for enclosing one or more tools. The package further includes the at least one cut-out configured in any one of the base wall the front wall the rear wall and the top wall. The cut-out allows a portion of the tool to peek out from the cut-out.

5 According to an aspect of the present invention, the front wall comprises at least one slit.

 According to an aspect of the present invention, the top wall includes at least one flap, the at least one flap passes through the at least one slit configuring the package into the closed package.

10 According to an aspect of the present invention, the top wall is configured with at least one cut-out portion and the front wall is configured with at least one cut-out portion. The cut-out portions aligns with the cut-out portions forming bordered cut-outs on the top wall.

 According to an aspect of the present invention, the bordered cut-
15 outs are configured to hold an additional tool.

 According to an aspect of the present invention, the bordered cut-outs are having same or different sizes. The sizes of the bordered cut-out are based on the size of holding portion of the additional tool.

 According to an aspect of the present invention, the bordered cut-
20 outs allow peeking of the holding portion of the additional tool.

 According to an aspect of the present invention, the additional tool is any one or combination of a rake, shovel, pruner, chain saw tool, rope, hose, and garden fork.

 The package expresses or displays the tool to the user to see or
25 perceive and test the packed tool. The package additionally allows the storage of the other components without the risk of losing the same during transport or due to theft.

 The package accommodating the tool can be used for holding the bigger or longer tools than the storage capacity of the packed tool. For
30 example, a shovel inside a Can passing through the packaging can be stored inside the Can.

The package is a single piece component, which accommodates two or more tools. Thus, reducing the cost involved in packaging the two or more tools.

As the package accommodates two or more tools, the prospective customer or purchaser can find the tools used for a particular application within the same package.

The package accommodating two or more tools prevents the unauthorized removal of the tools from the package.

The package protects the accommodated two or more tools from external environmental factors such as dust and moisture.

The package provides visual feel of the articles or tools packaged using the package.

BRIEF DESCRIPTION OF THE DRAWINGS

The invention will be described in more detail with reference to the enclosed drawings, wherein:

FIG. 1 shows a perspective view of a package having a tool, according to an embodiment of the present invention;

FIG. 2 shows a top view of the package shown in FIG. 1, according to an embodiment of the present invention;

FIG. 3 shows a perspective view of the tool shown in FIG. 1, according to an embodiment of the present invention;

FIG. 4A shows a plan view of the package shown in FIG. 1, according to an embodiment of the present invention;

FIG. 4B shows a plan view of a package, according to another embodiment of the present invention;

FIG. 5 shows a perspective view the package shown in FIG. 1 enclosing two or more tools, according to another embodiment of the present invention;

FIG. 6 shows a perspective view of the package enclosing two or more tools, according to another embodiment of the present invention; and

FIG. 7 shows a perspective view of the package enclosing two or more tools, according to another embodiment of the present invention.

DESCRIPTION OF EMBODIMENTS

The present invention will be described more fully hereinafter with reference to the accompanying drawings, in which example embodiments of the invention incorporating one or more aspects of the present invention are shown. This invention may, however, be embodied in many different forms and should not be construed as limited to the embodiments set forth herein; rather, these embodiments are provided so that this disclosure will be thorough and complete, and will fully convey the scope of the invention to those skilled in the art. For example, one or more aspects of the present invention can be utilized in other embodiments and even other types of structures and/or methods. In the drawings, like numbers refer to like elements.

FIG. 1 illustrates a perspective view of a package **100** for packaging a tool **102**, according to an embodiment of the present invention. In the illustrated embodiment, the package **100** is disposed around the tool **102** such that the package **100** can cover the tool **102** at front, rear, top and bottom portions of the tool **102**. In the illustrated embodiment, the tool **102** is a 'Can' used for collecting and spreading purposes. However, it is to be understood that the tool **102** can be any other tool, such as, but not limited to, rake, shovel, pruner, chain saw tool, rope, hose, garden fork or the like. The package **100** includes a covering portion defined by a plurality of walls for enclosing the tool **102**. In an embodiment, the plurality of walls encloses the tool **102** partially. The package **100** further includes at least one exposed side portion. In the illustrated embodiment, the package **100** is provided with two exposed side portions **104**, **106** for displaying and handling the tool **102** while the tool **102** is present inside the package **100**. In an embodiment, the exposed side portions **104**, **106** can be a fully open portion or partially open portion or a fully transparent portion or a partially transparent portion. The package **100** can be made of materials such as but not limited to paper board, card board, and plastic. The package **100** is configured to enclose one or more tools (shown in FIGS. 5 and 6).

FIG. 2 illustrates the top view of the package **100** shown in FIG. 1. The package **100** is provided with an exposed area, embodied as at least one cut-out **108**. The cut-out **108** allows a portion of the tool **102** to pass through and peek out from the cut-out **108**. In an illustrated embodiment, the portion of the tool **102** peeking out is a holding part of the tool **102**. Thus, the cut-out **108** allows access to the tool **102** even though the tool **102** is packaged inside the package **100**. In the illustrated embodiment, the tool **102** is the 'Can' and the holding part of the 'Can' is a handle **110**. Thus, the handle **110** peeking out from the cut-out **108** allows holding of the tool **102** in a working position while the package **100** is intact with the tool **102**. A perspective customer can not only get a look at the colour and body shape of the tool **102**, but also get a handling experience in a real time without opening the package **100**. In the illustrated embodiment, the cut-out **108** is provided in a rear wall **124** (shown in FIG. 4A) of the package **100**. However, it is to be understood that the cut-out **108** can be provided in any of the walls such as, a front wall **122**, a base wall **116** and a top wall **128** (shown in FIG. 4A) of the package **100**, which is determined based on the tool to be packaged in the package **100**.

FIG. 3 illustrates a perspective view of the tool **102** shown in FIGS. 1 and 2. The tool **102** 'Can' may generally be a cylindrical body having an open top end portion **112** and the handle **110** extending from a rear face **114**. The open top end portion **112** of the tool **102** may be incorporated with a cover (not shown) having a spout (not shown), used to water plants manually. At the end of the spout a device, like a cap, with small holes can be placed to break up the stream of water into droplets, to avoid excessive water pressure on the soil or on delicate plants. The capacity of the tool **102** may be ranging from about 0.5 litres for indoor household plants and to about 10 litres for garden use. The tool **102** can be made of materials such as, but not limited to, metal, ceramic or plastic.

FIG. 4A illustrates the plan view of the package **100** shown in FIGS. 1 and 2 in an open configuration, according an embodiment of the present invention. The package **100** includes the base wall **116** having a

first edge **118** and a second edge **120** opposite to the first edge **118**. The package **100** further includes the front wall **122** extending from the first edge **118** of the base wall **116**. The package **100** further includes the rear wall **124** extending from the second edge **120** of the base wall **116**. The rear wall **124** includes the at least one cut-out **108**. The package **100** further includes the top wall **128** extending from the rear wall **124**. These walls define a covering portion for the tool.

In an exemplary embodiment, the package **100** including the front wall **122** extends to a predetermined length "L1" from a third edge **130** of the front wall **122**. The third edge **130** of the front wall **122** is provided with one or more slits **132** and the extended portion of the front wall **122** is provided with at least one cut-out portion **134**. Also, the top wall **128** of the package **100** extends to a predetermined length "L2" from a fourth edge **136** of the top wall **128**. The fourth edge **136** of the top wall **128** is provided with one or more flaps **138**. The top wall **128** is further provided with at least one cut-out portion **140**. The one or more flaps **138** of the top wall **128** is configured to pass through the one or more slits **132** for joining the top wall **128** with the front wall **122** and thus forming a closed package **100**.

FIG. **4B** illustrates the plan view of a package **200** in an open configuration or pre-assembled stage, according to another embodiment of the present invention. The package **200** includes a base wall **216** having a first edge **218** and a second edge **220** opposite to the first edge **218**. The package **100** further includes a front wall **222** extending from the first edge **218** of the base wall **216**. The package **200** further includes a rear wall **224** extending from the second edge **220** of the base wall **216**. The rear wall **224** includes at least one cut-out **208**. The package **200** further includes a top wall **228** extending from the rear wall **224**.

In an exemplary embodiment, the package **200** including the front wall **222** extends to a predetermined length "L3" from a third edge **230** of the front wall **222**. The third edge **230** of the front wall **222** is provided with one or more slits **232** and the extended portion of the front wall **222** is

provided with at least one cut-out portion **234**. Also, the top wall **228** of the package **200** extends to a predetermined length "L4" from a fourth edge **236** of the top wall **228**. The fourth edge **236** of the top wall **228** is provided with one or more flaps **238**. The top wall **228** is further provided with at least one cut-out portion **240**. The one or more flaps **238** of the top wall **228** is configured to pass through the one or more slits **232** for joining the top wall **228** with the front wall **222** and thus forming a closed package **200**.

FIG. 5 illustrates a perspective view of the package **100** illustrated in FIG. 1 enclosing two or more tools, according to another embodiment of the present invention. In the illustrated exemplary embodiment, the package **100** encloses tools such as a Can **142** and a shovel **144**. During the joining of the top wall **128** with the front wall **122**, the handle **110** of the Can **142** is made to pass through the cut-out **108** of the package **100**. The cut-out **108** allows the handle **110** of the Can **142** to peek out from the cut-out **108**. Also, the cut-out portion **140** provided in the top wall **128** and the cut-out portion **134** provided in the front wall **122** aligns with each other forming a bordered cut-out **146** on the top wall **128**. The bordered cut-out **146** is configured to accommodate an additional tool. In the illustrated embodiment, the additional tool is the shovel **144**. The bordered cut-out **146** allows peeking of the holding part of the additional tool. At the same time, the one or more flaps **138** of the top wall **128** is configured to pass through the one or more slits **132** of the front wall **122** for joining the top wall **128** with the front wall **122**. Thus, the package **100** is enclosed with two tools, the Can **142** and the shovel **144**, forming a closed package **100**.

FIG. 6 illustrates a perspective view of the package **200** enclosing two or more tools, according to another embodiment of the present invention. In the illustrated exemplary embodiment, the package **200** encloses tools such as a Can **242**, a shovel **244** and a fork **250**. During the joining of the top wall **228** with the front wall **222**, the handle **210** of the Can **242** is made to pass through a cut-out **208** of the package **200**.

The cut-out **208** allows the handle **210** of the Can **242** to peek out from the cut-out **208**. Thus, the cut-out **208** allows access to the Can **242** even though the Can **242** is packaged inside the package **200**. In the illustrated embodiment, the cut-out **208** is provided in the rear wall **224** of the package **200** (shown in FIG. 4B). It is to be understood that the cut-out **208** can be provided in in any of the walls such as, the front wall **222**, the base wall **216** and the top wall **228** (shown in FIG. 4B) of the package **200**, which is determined based on the tool to be packaged in the package **200**.

10 The cut-out portion **240** provided in the top wall **228** and the cut-out portion **234** provided in the front wall **222** aligns with each other forming bordered cut-outs **246**, **248** on the top wall **228**. The bordered cut-outs **246**, **248** are configured to accommodate two additional tools. In the illustrated embodiment, the additional tools are the shovel **244** and the
15 fork **250**. The bordered cut-outs **246**, **248** are having same or different sizes. The sizes are based on the sizes of holding parts of the additional tools. The bordered cut-outs **246**, **248** allows peeking of the holding parts of the additional tools. At the same time, the one or more flaps **238** of the top wall **228** is configured to pass through the one or more slits **232** of the
20 front wall **222** for joining the top wall **228** with the front wall **222**. Thus, the package **200** is enclosed with three tools, the can **242**, the shovel **244** and the fork **250**, forming a closed package **200**.

FIG. 7 illustrates a perspective view of the package **200** enclosing two or more tools, according to another embodiment of the present
25 invention. In the illustrated exemplary embodiment, the package **200** encloses tools such as the Can **242**, the shovel **244** and a hose **252**. During the joining of the top wall **228** with the front wall **222**, the handle **210** of the can **242** is made to pass through the cut-out **208** of the package **200**. Also, the cut-out portion **240** provided in the top wall **228**
30 and the cut-out portion **234** provided in the front wall **222** aligns with each other forming the bordered cut-outs **246**, **248** on the top wall **228**. The bordered cut-outs **246**, **248** is configured to accommodate two additional

tools. In the illustrated embodiment, the additional tools include the shovel **244** and the hose **252**. The bordered cut-outs **246**, **248** are having same or different sizes. The sizes are based on the sizes of holding parts of the additional tools. The bordered cut-outs **246**, **248** allows peeking of
5 the holding parts of the additional tools. At the same time, the one or more flaps **238** of the top wall **228** is configured to pass through the one or more slits **232** of the front wall **222** for joining the top wall **228** with the front wall **222**. Thus, the package **200** is enclosed with three tools, the Can **242**, the shovel **244** and the hose **252**, forming a closed package
10 **200**.

It should be apparent to a person having ordinary skill in the art that the packages **100**, **200** are exemplary in nature and used for exemplary tools **102**, **144**, **244**, **250**, and **252**, the scope of the present invention cover other types of packaging for gardening tools to display as
15 well as improve handling experience the tools while the tool is inside the package.

In the drawings and specification, there have been disclosed preferred embodiments and examples of the invention and, although specific terms are employed, they are used in a generic and descriptive
20 sense only and not for the purpose of limitation of the scope of the invention being set forth in the following claims.

<u>Part List</u>		
	100	Package
	102	Tool
	104	Side portion
5	106	Side portion
	108	Cut-out
	110	Handle
	112	Open top end portion
	114	Rear face
10	116	Base wall
	118	First edge
	120	Second edge
	122	Front wall
	124	Rear wall
15	128	Top wall
	130	Third edge
	132	Slits
	134	Cut-out portion
	136	Fourth edge
20	138	Flaps
	140	Cut-out portion
	142	Can
	144	Shovel
	146	Bordered cut-out
25	200	Package
	208	Cut-out

	210	Handle
	216	Base wall
	218	First edge
	220	Second edge
5	222	Front wall
	224	Rear wall
	228	Top wall
	230	Third edge
	232	Slits
10	234	Cut-out portion
	236	Fourth edge
	238	Flaps
	240	Cut-out portion
	242	Can
15	244	Shovel
	246	Bordered cut-out
	248	Bordered cut-out
	250	Fork
	252	Hose
20	L1	Length
	L2	Length
	L3	Length
	L4	Length

CLAIMS

1. A package (100, 200) for a tool (102, 144, 244, 250, 252) comprising:
a covering portion defined by a plurality of walls for enclosing
5 the tool (102, 144, 244, 250, 252),
characterized in that
at least one exposed side portion (104, 106) of the package
(100, 200) configured to display the tool (102, 144, 244, 250, 252)
packaged inside the package (100, 200), further at least one cut-out
10 (108, 208) provided on any one of the plurality of walls (116, 216),
wherein the cut-out (108, 208) allows a portion of the tool (102, 144,
244, 250, 252) to peek out from the cut-out (108, 208).
2. The package (100, 200) of claim 1, wherein the plurality of walls
15 encloses the tool (102, 144, 244, 250, 252) partially.
3. The package (100, 200) of claim 1, wherein the portion of the tool
(102, 144, 244, 250, 252) is a holding part of the tool (102, 144, 244,
250, 252).
- 20 4. The package (100, 200) of claim 1, wherein the tool (102, 144, 244,
250, 252) is a Can (142, 242).
5. The package (100, 200) of claims 3 and 4, wherein the holding part of
25 the Can (142, 242) is a handle (110, 210), the handle (110, 210) peeks
out from the Cut-out (108, 208) of the package (100, 200).
6. The package (100, 200) of claim 1 wherein the at least one cut-out
(108, 208) is configured to allow holding the portion of the tool (102).
- 30 7. The package (100, 200) of claim 1, wherein the covering portion
comprising:

a base wall (116, 216) having a first edge (118, 218) and a second edge (120, 220) opposite to the first edge (118, 218);

a front wall (122, 222) extending from the first edge (118, 218) of the base wall (116, 216);

5 a rear wall (124, 224) extending from the second edge (120, 220) of the base wall (116, 216);

a top wall (128, 228) extending from the rear wall (124, 224), the top wall (128, 228) detachably connected to the front wall (122, 222) forming a closed package (100, 200) for enclosing one or more
10 tools (102); and

the at least one cut-out (108, 208) configured in any one of the base wall (116, 216), the front wall (122, 222), the rear wall (124, 224) and the top wall (128, 228), wherein the cut-out (108, 208) allows a portion of the tool (102, 144, 244, 250, 252) to peek out from the cut-
15 out (108, 208).

8. The package (100, 200) of claim 1, wherein the front wall (122, 222) comprises at least one slit (132, 232).

20 9. The package (100, 200) of claim 7, wherein the top wall (128, 228) comprises at least one flap (138, 238), the at least one flap (138, 238) passes through the at least one slit (132, 232) configuring the package (100, 200) into the closed package (100, 200).

25 10. The package (100, 200) of claim 7, wherein the top wall (128, 228) is configured with at least one cut-out portion (140, 240) and the front wall (122, 222) is configured with at least one cut-out portion (134, 234), the cut-out portions (140, 240) aligns with the cut-out portions (134, 234) forming bordered cut-outs (146, 246, 248) on the top wall
30 (128, 228).

11. The package (100, 200) of claim 10, wherein the bordered cut-outs (146, 246, 248) are configured to hold an additional tool.

12. The package (**100, 200**) of claims 10 and 11, wherein the bordered cut-outs (**146, 246, 248**) allow peeking of the holding portion of the additional tool.
- 5
13. The package (**100, 200**) of claims 10 and 11, wherein the bordered cut-outs (**246, 248**) are having same or different sizes, the sizes are based on the size of the holding portion of the additional tool.
- 10
14. The package (**100, 200**) of claim 11, wherein the additional tool is any one or combination of a rake, shovel, pruner, chain saw tool, rope, hose, and garden fork.

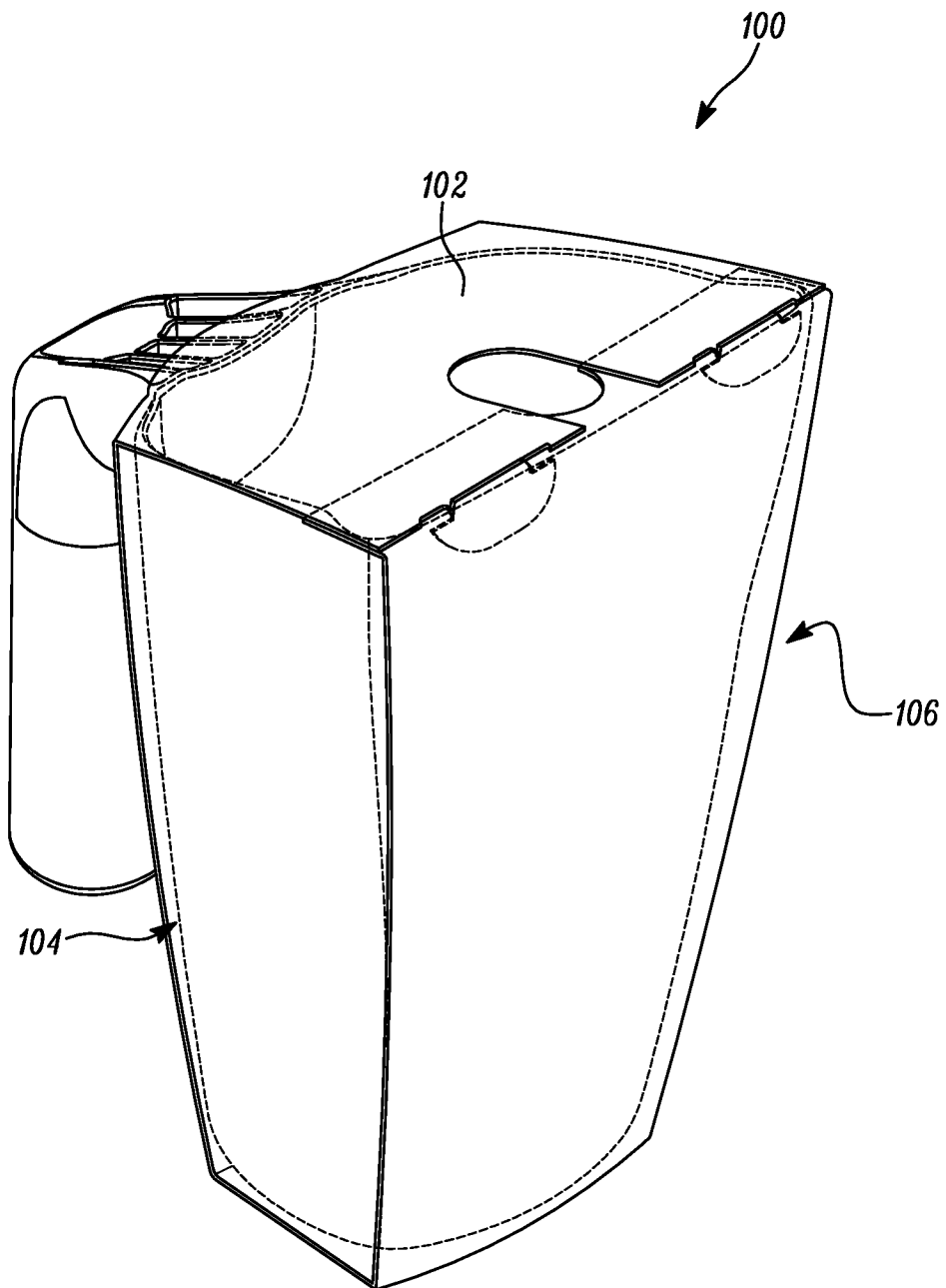


FIG. 1

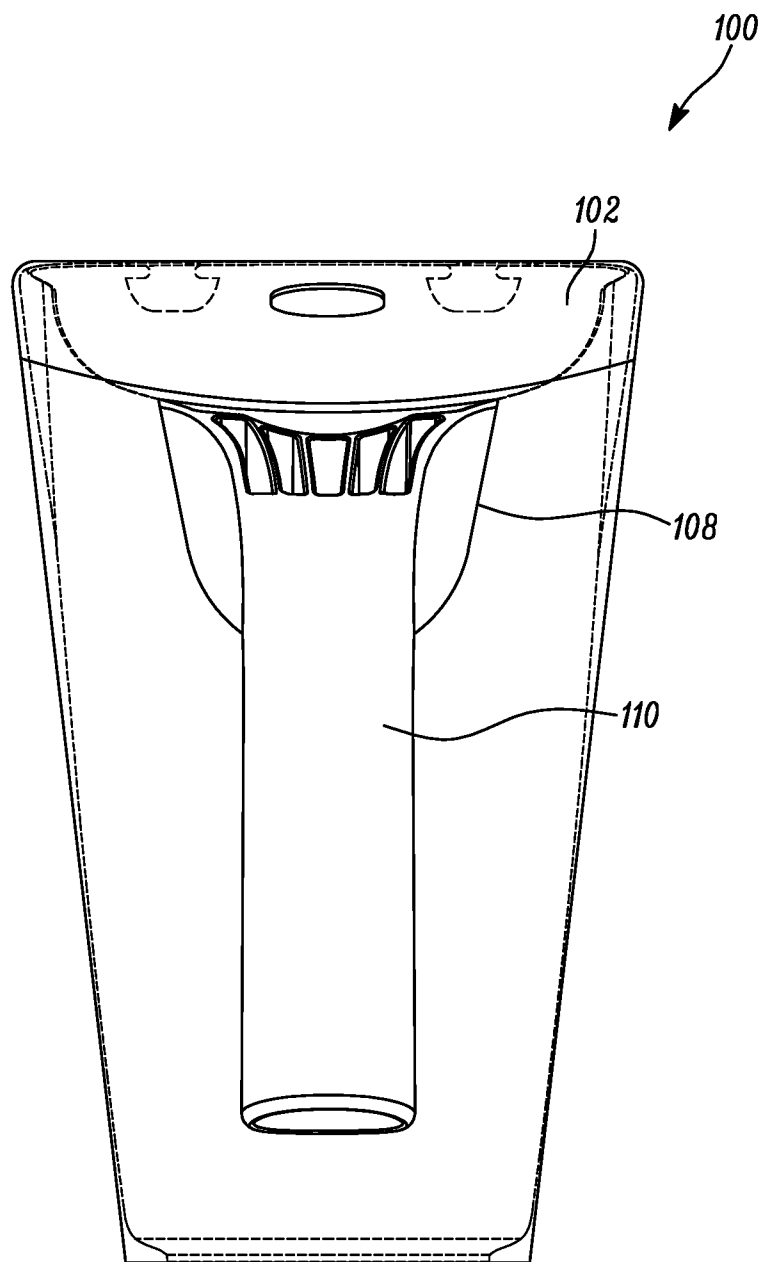


FIG. 2

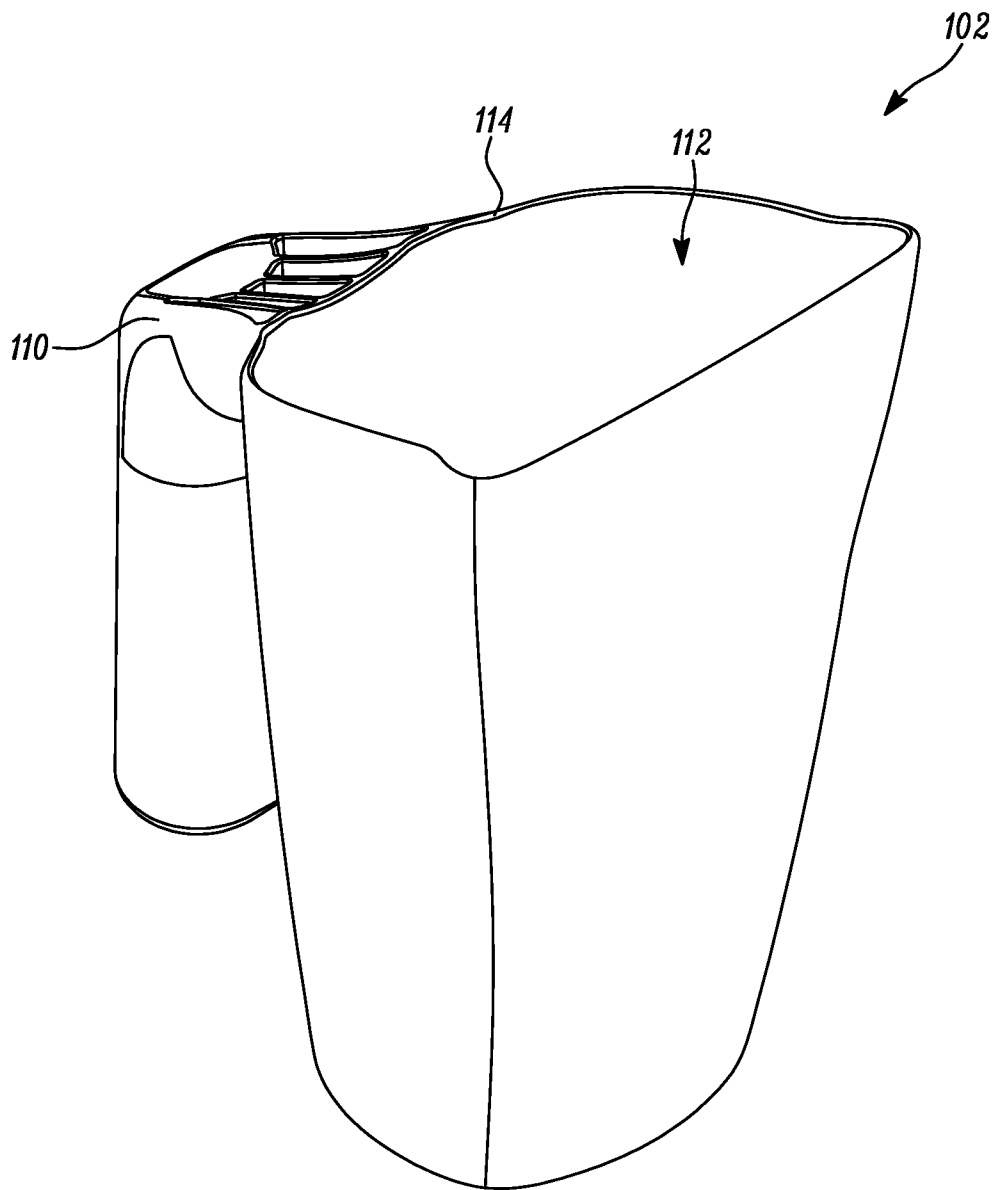


FIG. 3

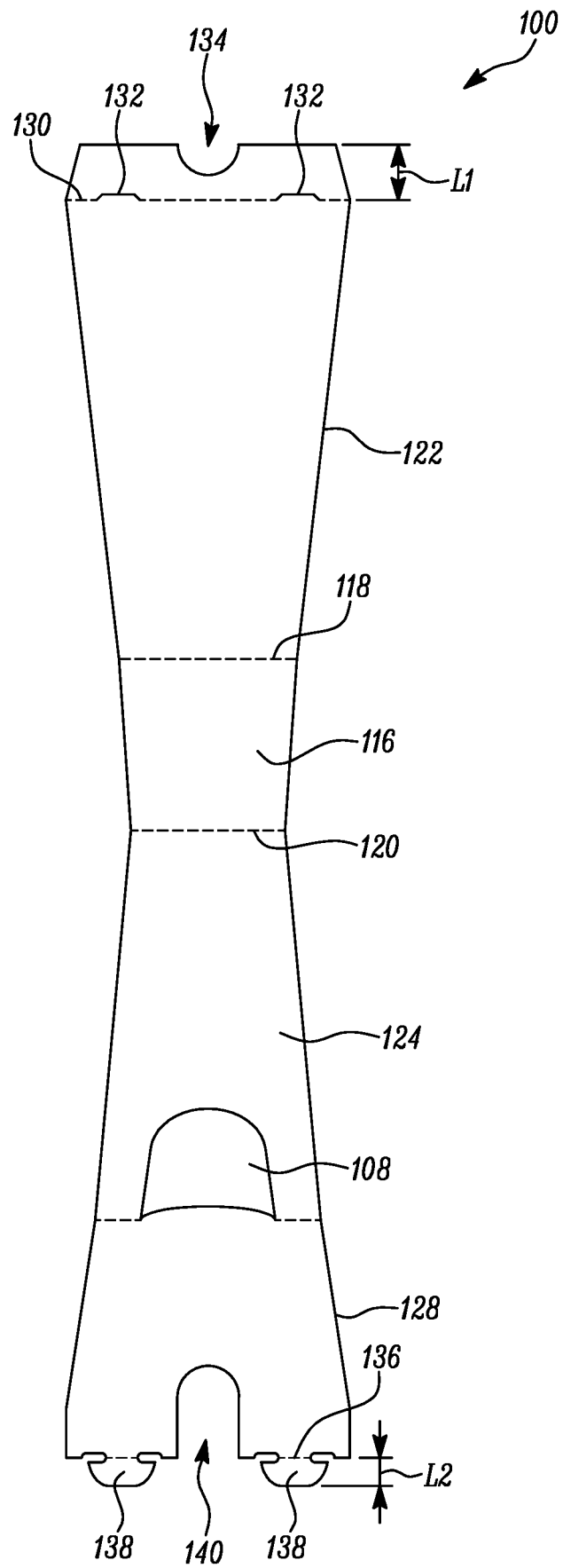


FIG. 4A

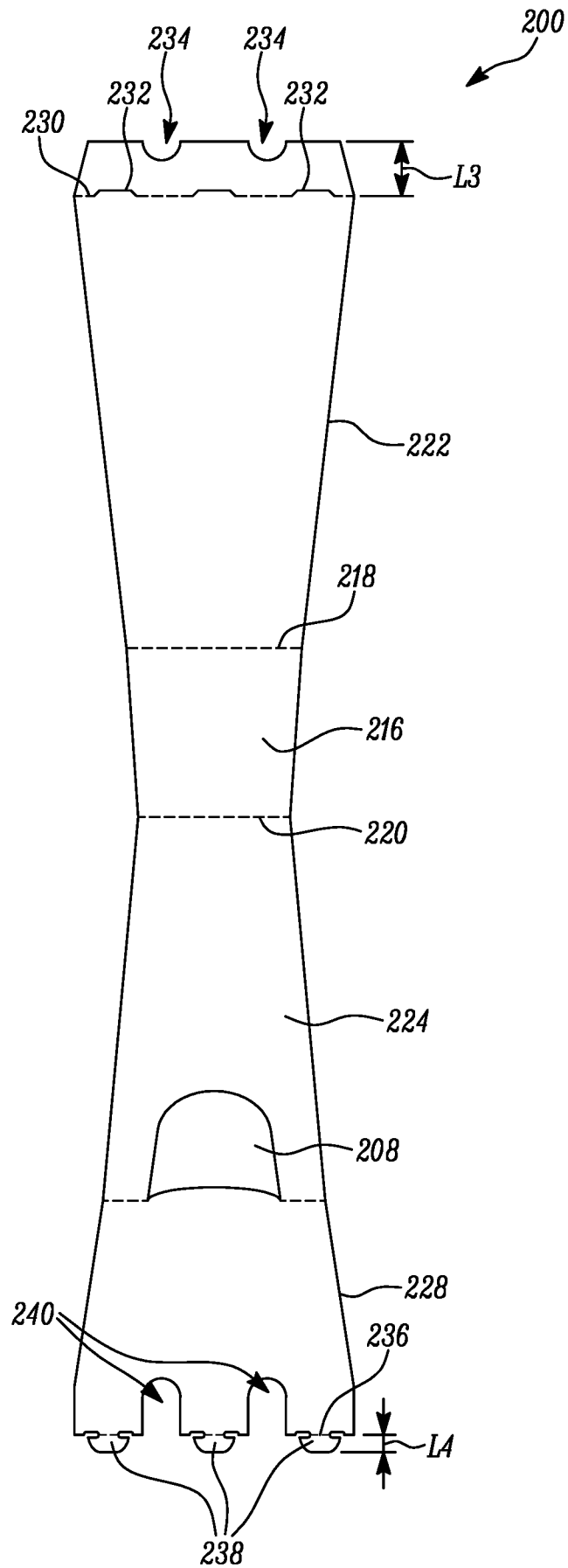


FIG. 4B

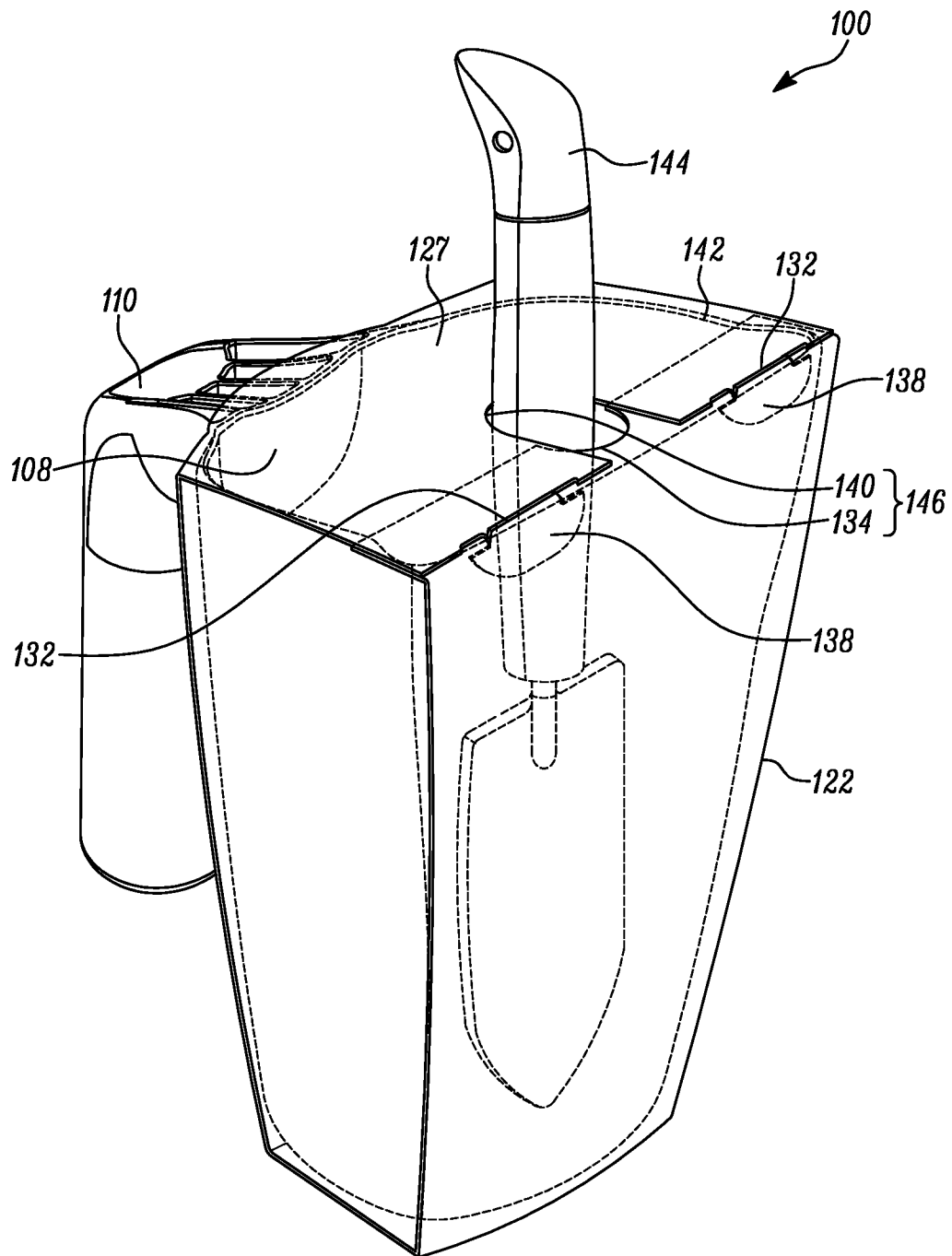


FIG. 5

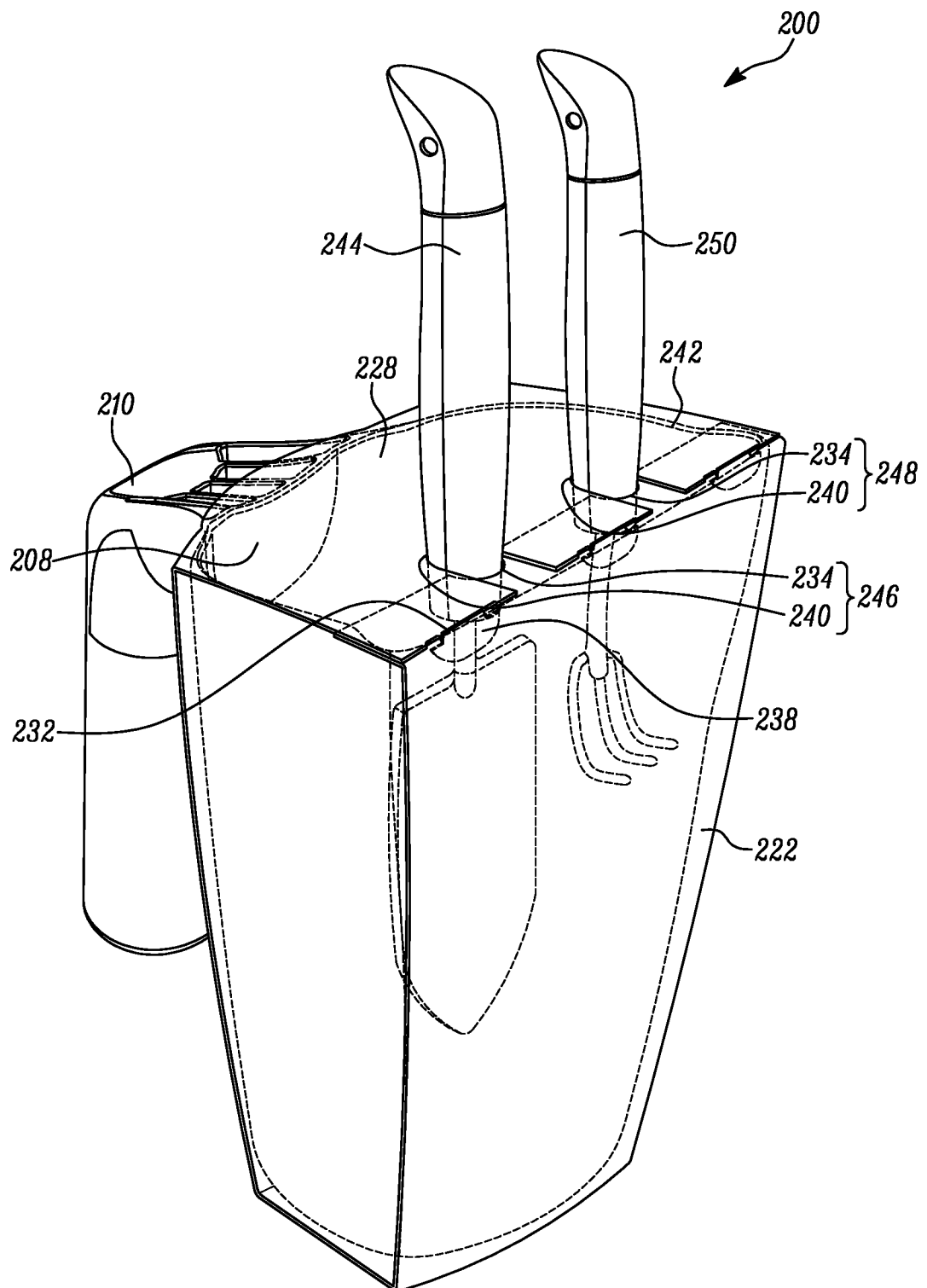


FIG. 6

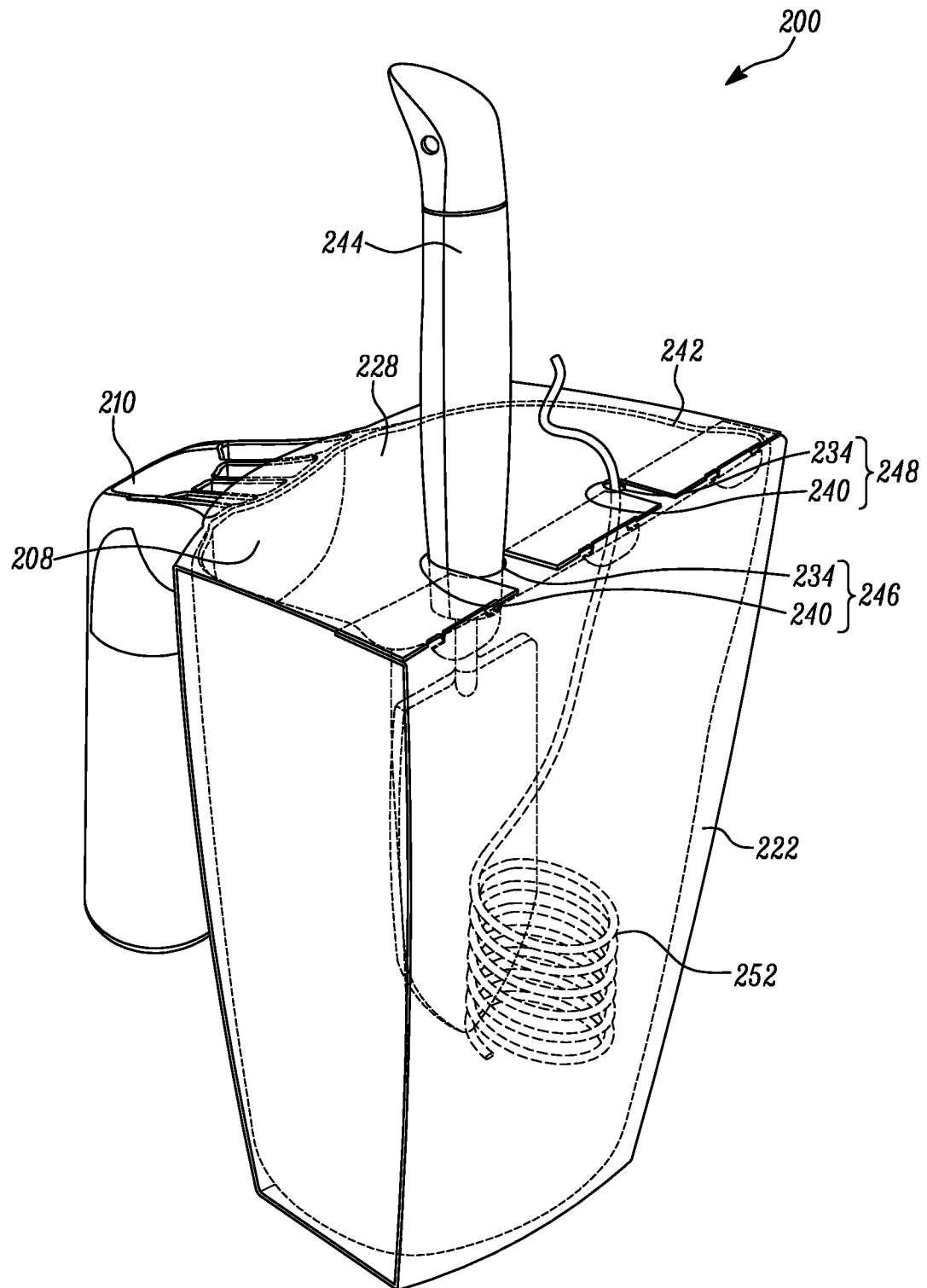


FIG. 7

INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2017/052062

A. CLASSIFICATION OF SUBJECT MATTER
INV. B65D85/00
ADD.

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

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 093 302 A2 (GLOEYER WOLFGANG) 9 November 1983 (1983-11-09)	1-7, 10-14
Y	page 2, line 22 - line 25; figures 1, 2	8,9
Y	DE 92 06 092 U1 (EUROPA CARTON AG) 27 August 1992 (1992-08-27) page 9; figures 1, 2	8,9
X	DE 20 2005 015929 U1 (CLABER SPA [IT]) 22 December 2005 (2005-12-22)	1-3,6
A	figures 1, 2	4,5,7-14
X	US 4 341 306 A (LIGHTSEY MARTIN F) 27 July 1982 (1982-07-27)	1-3,6,7, 10-13
A	figures 1-4	4,5,8,9, 14



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents :

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Date of the actual completion of the international search

25 April 2017

Date of mailing of the international search report

08/05/2017

Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2017/052062

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