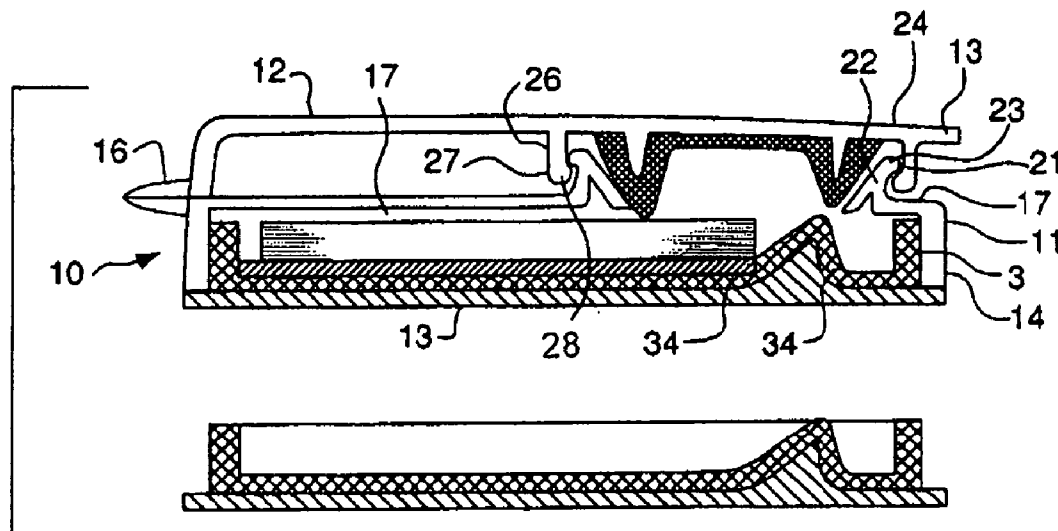




US 20090200326A1

(19) **United States**(12) **Patent Application Publication**  
**Giraud**(10) **Pub. No.: US 2009/0200326 A1**(43) **Pub. Date: Aug. 13, 2009**(54) **RESEALABLE MOISTURE TIGHT  
CONTAINER ASSEMBLY FOR STRIPS AND  
THE LIKE HAVING A LIP SNAP SEAL**(60) Provisional application No. 60/417,533, filed on Oct.  
10, 2002.**Publication Classification**(76) Inventor: **Jean Pierre Giraud, Paris (FR)**(51) **Int. Cl.**  
**B65D 43/18** (2006.01)(52) **U.S. Cl.** ..... **220/839; 220/849**(57) **ABSTRACT**Correspondence Address:  
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A substantially moisture tight container and lid assembly for storing and packaging moisture-sensitive items comprising an assembly with a container and a lid, the lid is attached by a hinge to an upper housing portion of the container, the lid includes a lip seal member that depends downwardly from the lid, the lip seal member is configured to abut at least a portion of the interior side of the container when the lid is in the closed position resulting in a substantially moisture tight seal between the lid and the container, and the container assembly further comprising a base portion and an upper housing portion, the upper housing portion is capable of being snap-fit into the base portion by employing a lip seal mechanism to form a substantially moisture-tight seal.

(21) Appl. No.: **12/425,590**(22) Filed: **Apr. 17, 2009****Related U.S. Application Data**(63) Continuation of application No. 11/171,171, filed on  
Jun. 30, 2005, now Pat. No. 7,537,137, which is a  
continuation-in-part of application No. 10/683,311,  
filed on Oct. 10, 2003, now Pat. No. 7,213,720.

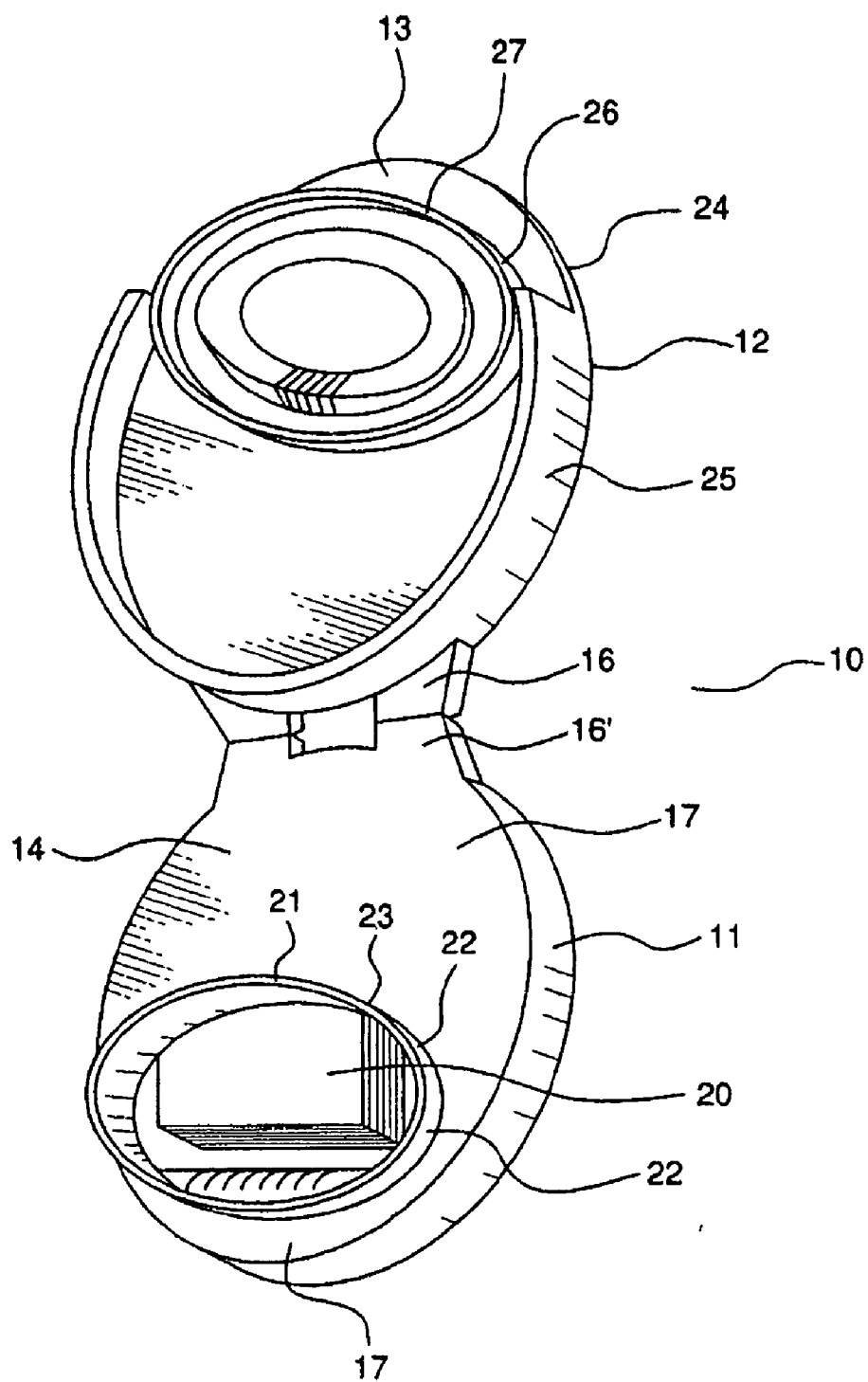


FIG. 1

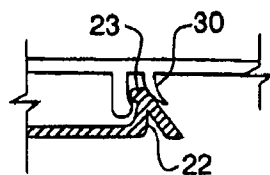


FIG. 3

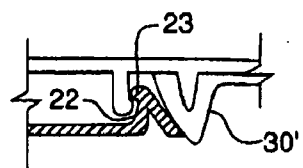


FIG. 4

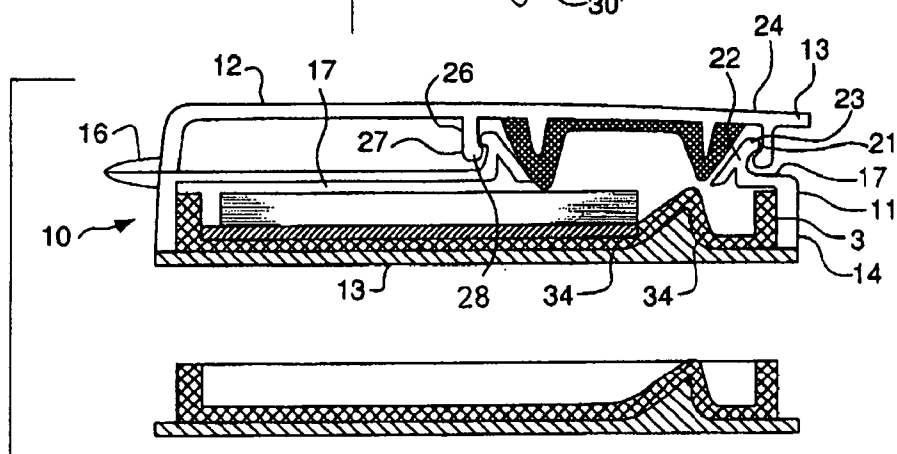


FIG. 2

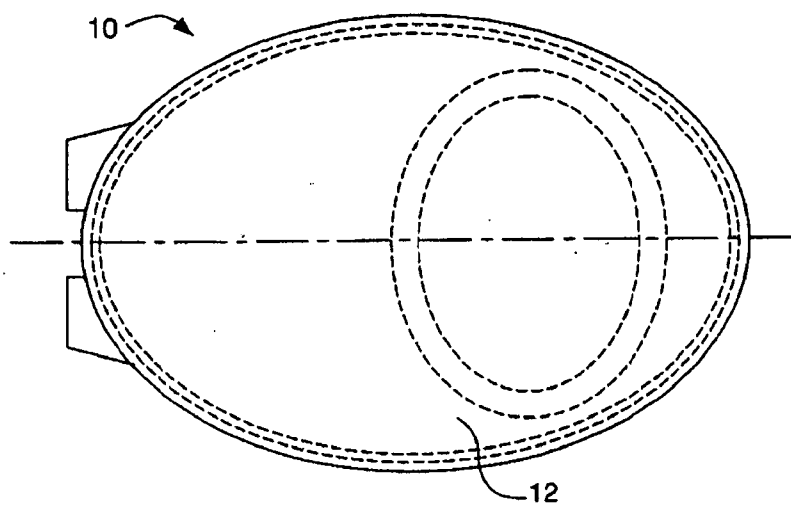
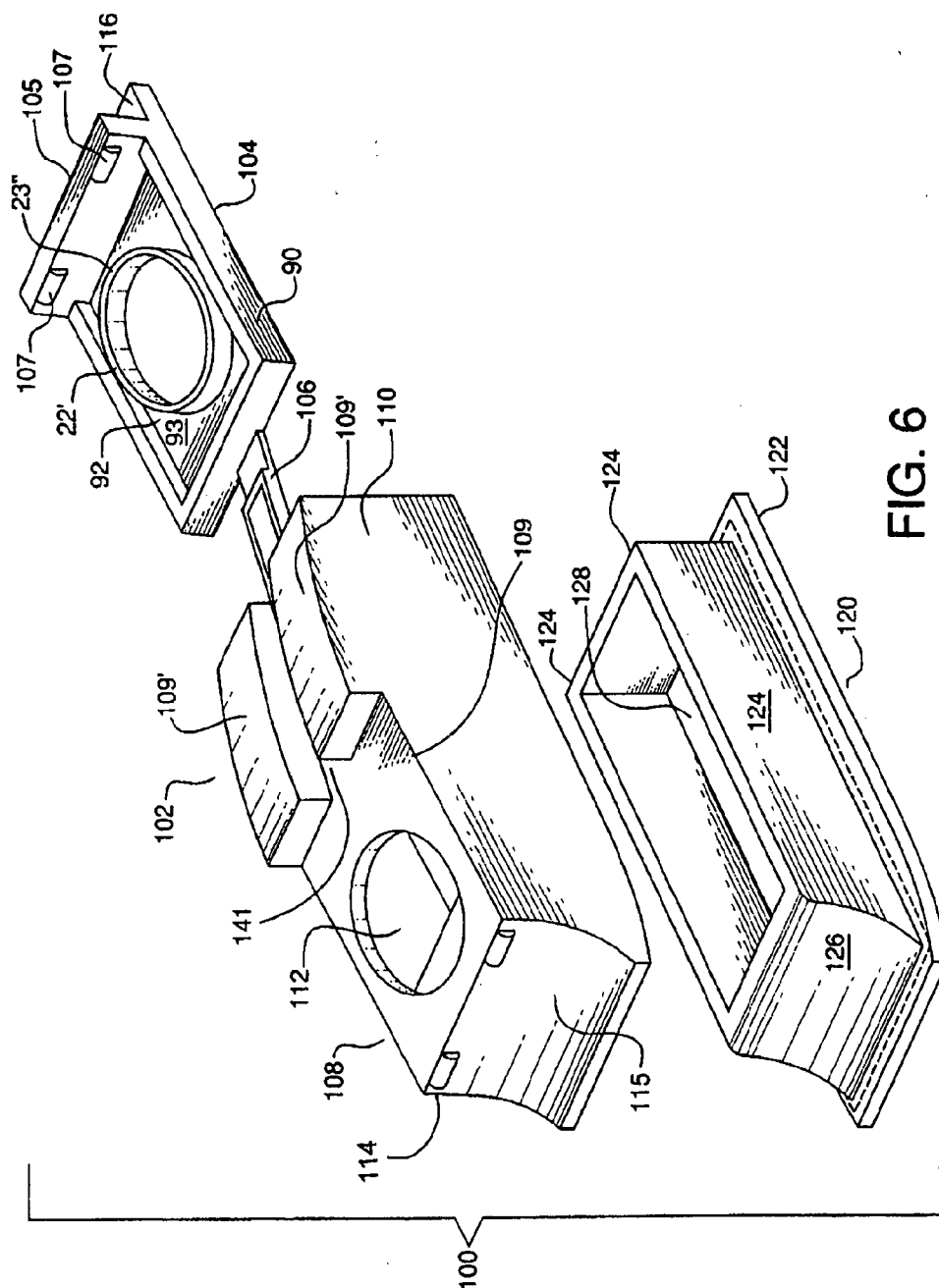


FIG. 5



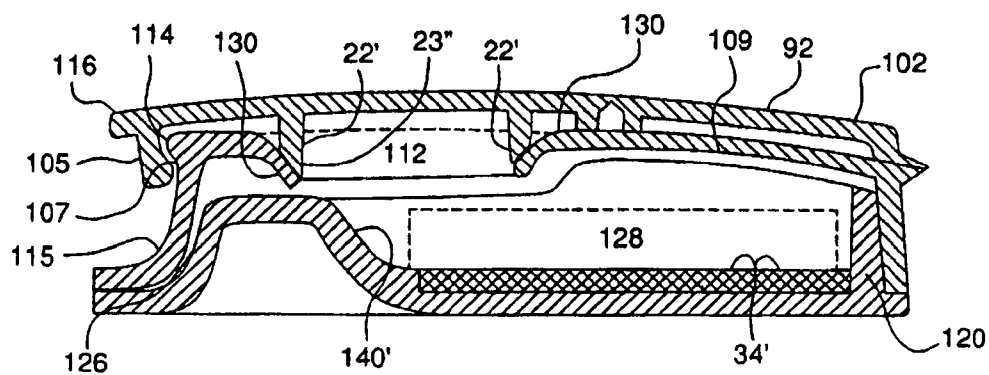


FIG. 7

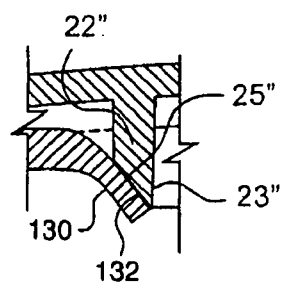


FIG. 7A

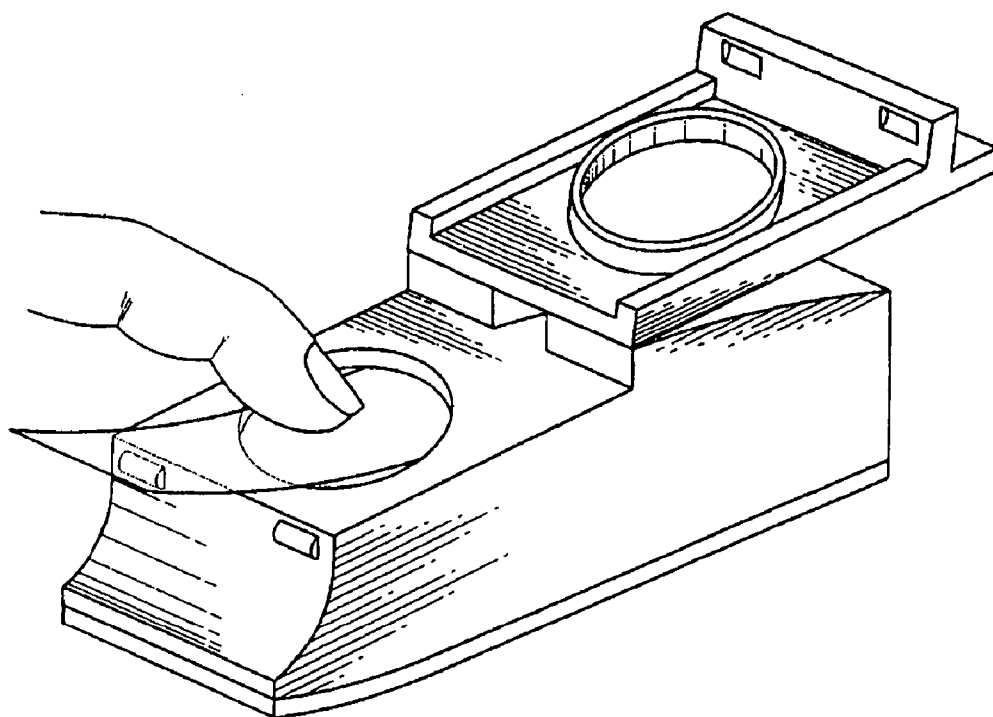


FIG. 8

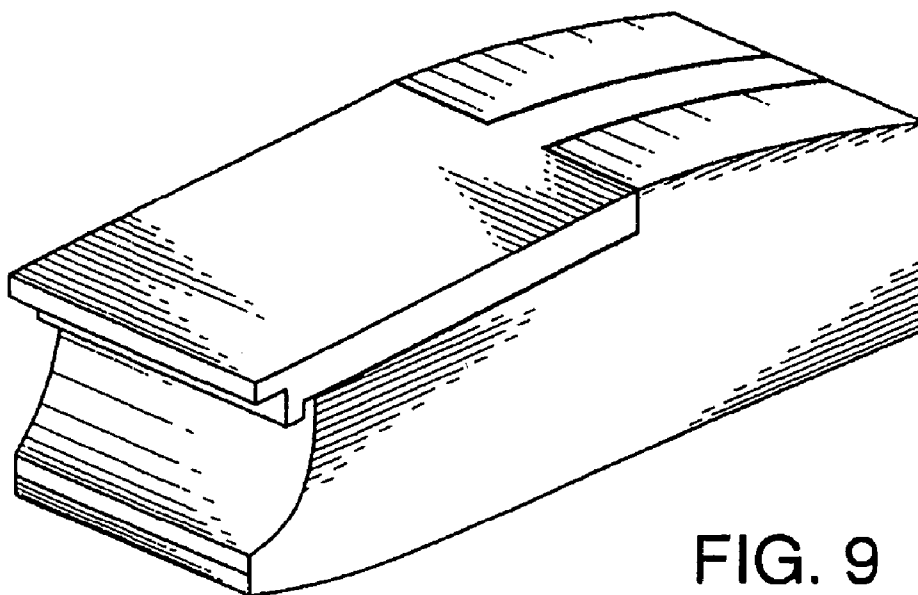


FIG. 9

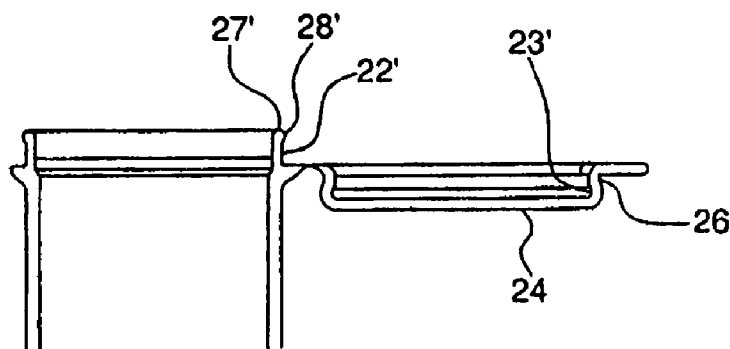


FIG. 10

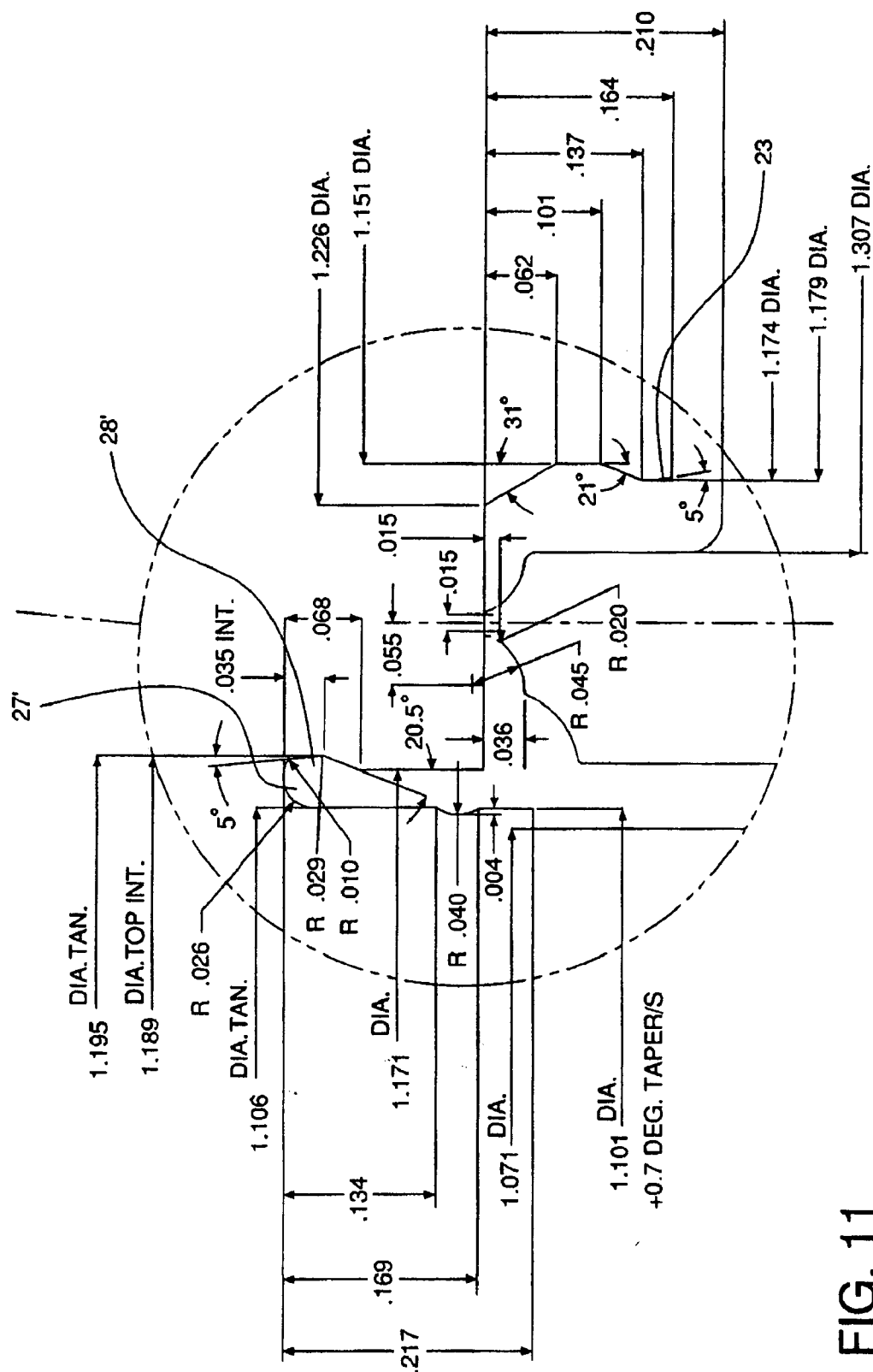
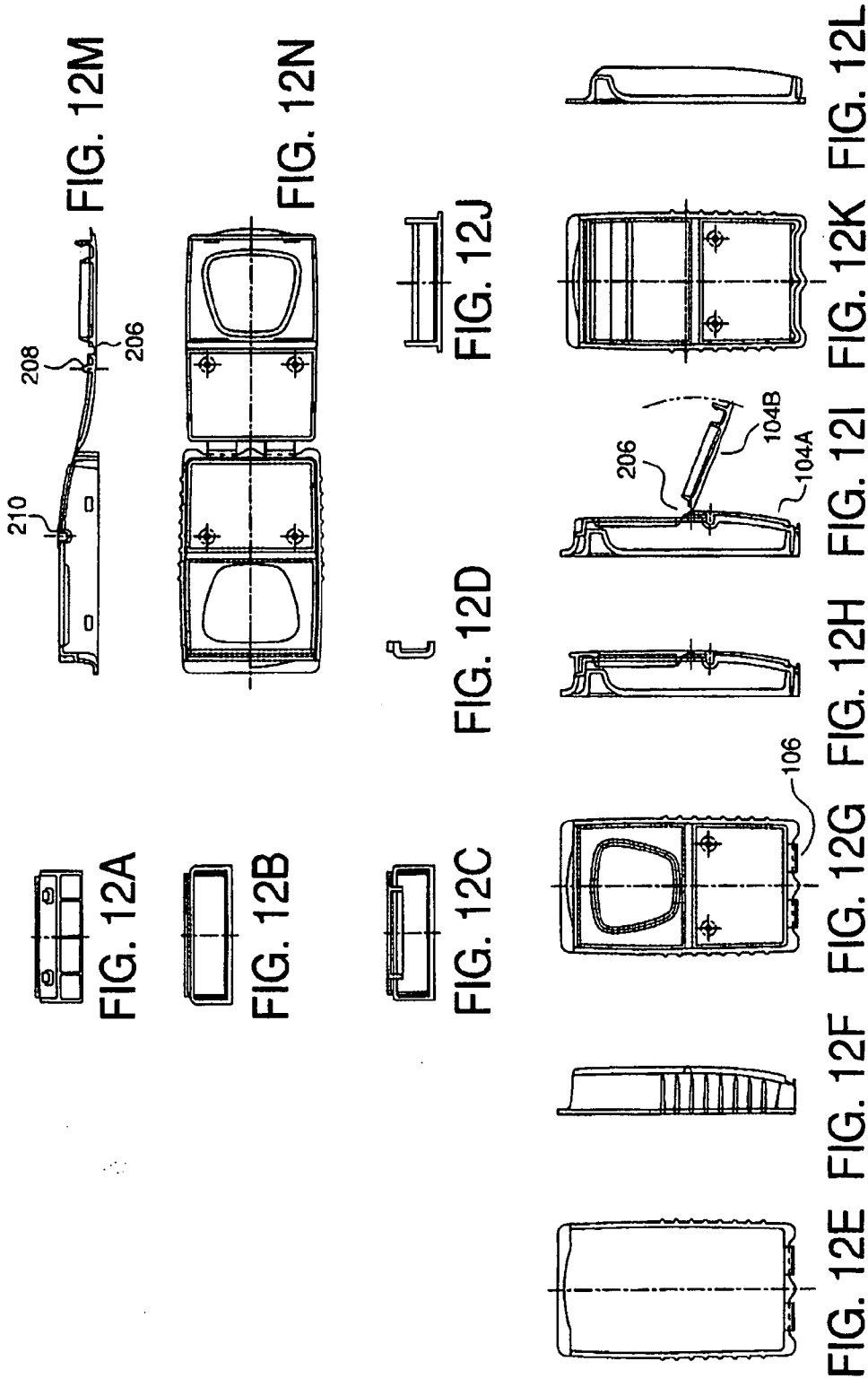
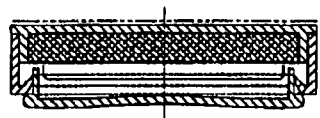
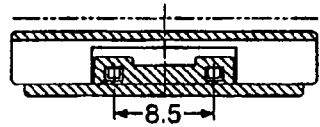
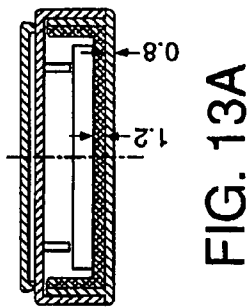
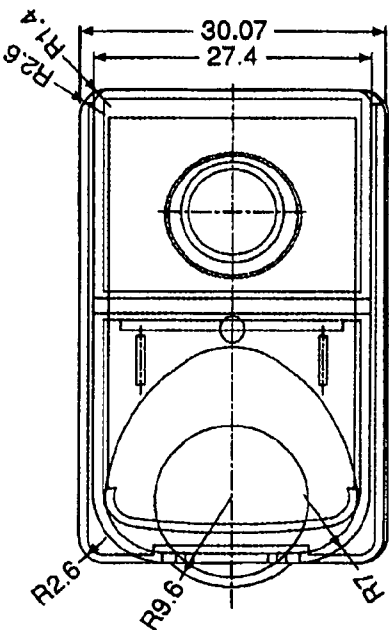
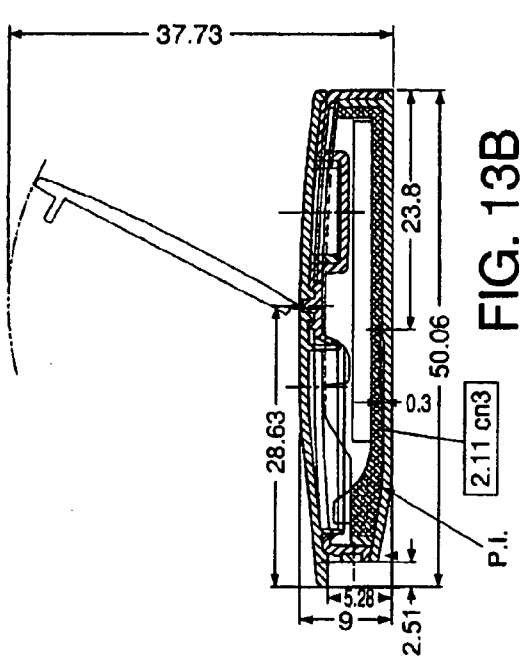


FIG. 11







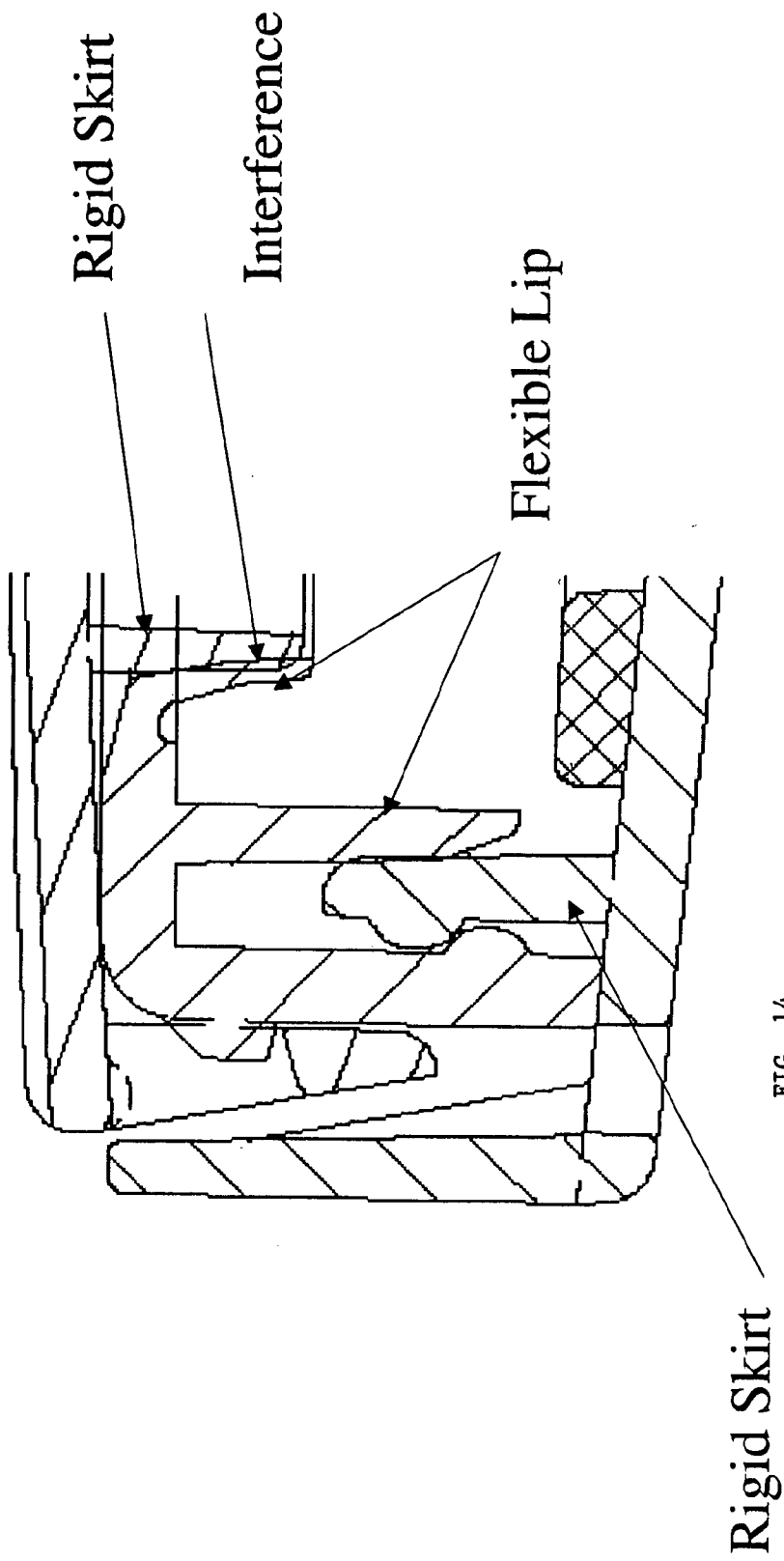


FIG. 14

# **RESEALABLE MOISTURE TIGHT CONTAINER ASSEMBLY FOR STRIPS AND THE LIKE HAVING A LIP SNAP SEAL**

## **CROSS-REFERENCE TO RELATED APPLICATIONS**

**[0001]** This application is a continuation of U.S. application Ser. No. 11/171,171, filed Jun. 30, 2005, which is a continuation-in-part of U.S. application Ser. No. 10/683,311, filed Oct. 10, 2003, which claims a benefit under 35 U.S.C. 119(e) of U.S. Provisional Application Ser. No. 60/417,533, filed Oct. 10, 2002.

## **FIELD OF THE INVENTION**

**[0002]** The present invention relates to a resealable container and lid assembly having a lip snap seal for storing and packaging moisture-sensitive items, including but not limited to edible breath-freshening strips, drug-delivery strips, diagnostic test strips, and effervescent tablets.

## **SUMMARY OF THE INVENTION**

**[0003]** The present invention relates to a resealable container and lid assembly having a lip snap seal for storing and packaging moisture-sensitive items, including but not limited to edible breath-freshening strips, drug delivery strips, diagnostic test strips, and effervescent tablets.

**[0004]** The container assembly substantially prohibits the ingress of moisture into the container assembly through the lid when the container is sealed. In other words, it is substantially moisture-proof. In another aspect of the invention, the container assembly is provided with a desiccant or similar material, which reduces the moisture present within the container when it is sealed. That is, after the container has been sealed, the desiccant absorbs moisture present therein. Likewise, after the container has been opened and then resealed, the desiccant absorbs moisture that entered the cavity when the container was opened.

**[0005]** In one embodiment of the present invention, the assembly comprises a lid and container that may be attached by a hinge. The hinge has a recess. The recess forms two elements, the first element being attached to the lid portion and the second element being attached to the container portion. In still a further embodiment, the recess functions as a bending point during the opening and closing of the container assembly.

**[0006]** The container has a sidewall depending downwardly from a top container surface. A bottom container surface is joined to the sidewall. The top container surface is provided with an opening, permitting access to the interior of the container. The opening is bounded by a lip that depends upward from the top container surface. A rim is positioned on the outside of the upper end of the lip.

**[0007]** In one example, the lid portion of the assembly is attached to the container portion by a hinge. The lid portion has a base portion with an outer periphery that extends over the container portion. In one embodiment, a portion of the base portion serves as a tab for facilitating the opening and closing of the container assembly. In yet another embodiment, the base portion is provided with a skirt that depends downwardly from a central portion of the base portion. The skirt is positioned at a location on the base portion that allows the skirt to enter into a closing relationship with lip of the container portion, in which the skirt of the base portion fits

over the periphery of the lip provided on the top container surface (or, as the case may be, the skirt fits within the periphery of the lip). The skirt of the base portion has an end distal to where the skirt joins the lid portion. At the distal end of the skirt, the skirt is provided with an inward extension, which extends around the interior periphery of the skirt. Similarly, the lip of the container portion is provided with an end distal to where the lip joins the container portion, and the distal end of the lip is provided with an outward facing extension, which extends around the periphery of the lip. In effect, the extension on the skirt and the extension on the lip face each other. In constructing this arrangement on the skirt and lip, the extensions will abut and interlock with each other when the lid is closed on the container portion. In this arrangement, the interlocking, abutting extensions will form at least a substantially moisture-tight sealing arrangement with each other.

**[0008]** In yet another embodiment, a lip seal member depends downwardly and extends around the lid portion. The lip seal member is positioned interior to the skirt, which also depends downwardly from the base portion. Further, the lip seal member is positioned to lie interior of the lip extending upward from the container portion. When the lid is in the closed position, the lip seal member abuts the interior side of the distal end of the lip. In this arrangement, the lip seal (1) provides a sealing position, in addition to the one between the skirt and the lip; and (2) applies pressure on the lip from the inside out, which in turn applies pressure on the skirt, thereby applying tightening the seal between the skirt and the lip.

**[0009]** In yet another embodiment, the lid and/or container contain a desiccant, in the shape of a disc (e.g. puck), sleeve, or other desired shapes.

**[0010]** In yet another embodiment, the assembly includes an elastomeric liner applied to selected regions of the assembly. For example, elastomeric liner may be positioned on the interior surface of the lid, between the skirt and where the lip seals are provided, it may line the lip seals as well.

**[0011]** In yet another embodiment, the skirt depending downward from the base portion has a distal end that is provided with an inward extension. The lip has an end distal to the location where the lip joins the container top surface, where the recess is positioned. The recess is adapted to receive the extension when the lid portion is closed upon the container portion.

**[0012]** In a further embodiment, the container assembly of the present invention is formed of a plastic material, by injection molding or other suitable molding techniques. For example, the assembly may be molded of polypropylene. The assembly comprises a base and an upper housing that can be molded separately, the base can be loaded with the item to be retained in the container, and then the base and upper housing can be snap-fit together employing a lip seal in order to provide moisture-tightness.

**[0013]** In one embodiment, the containers of the present invention have a relatively small height dimension, making them well adapted to fit in a handbag, purse, or pocket. Despite this small height dimension, the container is well suited to storing items such as candies, edible breath-freshening strips, and diagnostic test strips, such as those employed in testing blood glucose levels.

**[0014]** In yet another embodiment, the opening of the container is irregular in its shape, not having a uniform radius. In other words, it is not circular.

## **BRIEF DESCRIPTION OF THE DRAWINGS**

**[0015]** FIG. 1 is a perspective view of a container of the present invention;

[0016] FIG. 2 is a cross sectional view of a container of the present invention;

[0017] FIG. 3 is a side elevational view of a lip seal for a container of the present invention;

[0018] FIG. 4 is a side elevational view of another lip seal for a container of the present invention;

[0019] FIG. 5 is a top plan view of a container of the present invention;

[0020] FIG. 6 is an exploded view of a container of the present invention;

[0021] FIG. 7 is a cross sectional view of a container of the present invention;

[0022] FIG. 7A is a perspective view of a feature shown in the FIG. 7 embodiment;

[0023] FIG. 8 is a perspective view of a container of the present invention, as an item is removed from the container; and

[0024] FIG. 9 is a perspective view of a container of the present invention in the closed position;

[0025] FIG. 10 is a cross sectional view of another embodiment of a container of the present invention;

[0026] FIG. 11 is a perspective view showing features of the embodiment of FIG. 10; and

[0027] FIGS. 12A to 12N illustrate views of yet another embodiment of the present invention.

[0028] FIGS. 13A to 13E illustrate views of yet another embodiment of the present invention.

[0029] FIG. 14 is a cross-sectional view of an enlarged section of one end of the base and upper housing assembly illustrating the snap lip seal.

#### DETAILED DESCRIPTION OF THE EMBODIMENTS

[0030] The present invention relates to a container and lid assembly for storing and packaging moisture-sensitive items, including but not limited to edible breath-freshening strips, drug-delivery strips, diagnostic test strips, and effervescent tablets, that substantially prohibits the ingress of moisture into the assembly through the lid when the container and lid are sealed.

[0031] In one embodiment, the assembly 10 is generally provided with a lid portion 12 and container portion 14 that are attached by a hinge 16. The hinge 16 has a recess 16'. The recess 16' forms two elements, the first element being attached to the lid portion and the second element being attached to the container portion. In still a further embodiment, the recess functions as a bending point during the opening and closing of the container assembly.

[0032] The container portion has a container base 13, and a sidewall 11 depending upwardly from the base 13. A top container surface 17 extends inward from the sidewalls. The top container surface 17 is provided with an opening 20, permitting access to the interior of the container. The opening 20 is bounded by a lip 22 that extends upward from the top container surface 17. Lip 22 extends around the periphery of the opening 20. The lip 22 has an end 21 distal to the location where the lip joins the container top surface, where an extension 23 is positioned and faces outward, relative to the opening 20. The extension 23 extends around the periphery of the lip distal end 21.

[0033] The lid portion 12 has a base portion 24 with an outer periphery 25 that extends over at least a portion of the container portion. In one embodiment, a portion of the base portion 24 serves as a tab 13 for facilitating the opening and

closing of the container assembly. The base portion 24 is provided with a skirt 26 that depends downwardly the base portion. The skirt 26 is positioned at a location on the base portion 24 that allows the skirt 26 to enter into a closing relationship with lip 22 of the container portion 14, in which the skirt 26 of the base portion 24 fits over the periphery of the lip 22 provided on the top container surface (or, as the case may be, the skirt fits within the periphery of the lip). The skirt 26 of the base portion 24 has an end 27 distal to the end at which the skirt joins the lid portion. At the distal end 27 of the skirt, the skirt is provided with an inward extension 28, which extends around the interior periphery of the skirt. At the distal end 27 of the skirt, the skirt is provided with an inward facing extension 28, which extends around the periphery of the skirt distal end 27. When the lid portion is closed on the container portion, the extension 28 on the skirt 26 and the extension 23 on the lip 22 face each other. Further, when the lid portion is closed on the container portion, the extensions will abut and interlock with each other. In this arrangement, the interlocking, abutting extensions will form a moisture-tight seal with each other.

[0034] In yet another embodiment, a lip seal member 30 depends downwardly and extends around the inside of the lid portion 12. The lip seal member 30 is positioned interior to the skirt 26 which also depending downwardly from the base portion 24. Further, the lip seal member 30 is positioned to lie interior of the lip 22 that extends upward from the container portion 14, and abut the interior side of the distal end of the lip 22, when the lid is in the closed position. In this arrangement, as shown in FIG. 3, the lip seal (1) provides a sealing position, in addition to the one between the skirt and the lip; and (2) applies pressure on the lip from the inside out, which in turn applies pressure on the skirt, thereby applying tightening the seal between the skirt and the lip. FIG. 4 shows a component 30' present as a hollowed out member.

[0035] In yet another embodiment, shown in FIGS. 10 and 11, the structure of the lip 22' has a distal end 27' provided with an extension 28'. The skirt 26' has a recess 23' positioned near where the skirt depends from the base portion 24'. The recess 23' is adapted to receive the extension 28' when the lid portion is closed upon the container portion. When the lid portion is closed on the container portion, the abutting arrangement between the lip and the skirt, and presence of the extension within the recess, forms a substantially moisture tight seal. FIG. 11 shows the configuration for such an arrangement.

[0036] In yet another embodiment, the lid and/or container contain a desiccant, in the shape of a disc (e.g. puck), sleeve, or other shapes. In one embodiment, a desiccant entrained plastic is located in a desiccant liner that covers at least a portion of the lid and/or container, such as the desiccant-entrained plastic sleeve 34 positioned at the bottom of the container. See FIG. 2, where the sleeve 34 is shown surrounding the item stored within the container on three of the item's sides. In one embodiment, such a sleeve or liner can surround the stored item(s) on more or less than three sides. See, e.g., FIG. 7, where the desiccant insert is positioned on the container base. When the container assembly is repeatedly opened and closed, the desiccant-entrained plastic sleeve re-establishes the low relative humidity environment inside the container assembly in a short period of time (e.g. in as low as less than about one minute), when a desiccant, such as the sleeve of FIG. 2, is included in the assembly.

**[0037]** The desiccant-entrained plastic contains a desiccant such as silica gel or molecular sieve as the desiccant. Depending on the application, such as the application intended by the end user, molecular sieve or silica gel desiccant can be provided in the sleeve. For example, molecular sieve can be used for applications that require a low RH (e.g. less than <10% RH) maintained over the shelf life. In another example, silica gel can maintain a RH of 10-30% over a two-year shelf life. Suitable desiccant entrained plastic include, but are not limited to, these desiccant plastics disclosed in U.S. Pat. Nos. 5,911,937, 6,214,255, 6,130,263, 6,080,350 and 6,174,952, 6,124,006, and 6,221,446. These references are incorporated herein by reference. By varying the desiccant loading and channeling agent in the plastic formulation, the overall moisture capacity and uptake rate of the desiccant entrained plastic can be controlled. In embodiments where containers include desiccant material, they may be formed by two shot molding techniques.

**[0038]** In yet another embodiment, the assembly includes an elastomeric liner **36** applied to selected regions of the assembly. For example, elastomeric liner may be positioned on the interior surface of the lid portion, lying inside the skirt. Where the lip seals are provided, it may line them as well. In one example, a suitable elastomer is EPDM, commercially available under the trade name Santoprene.

**[0039]** The containers of the present invention are formed of plastic materials, by injection molding or other suitable molding techniques. For example, the containers may be molded of polypropylene. In one embodiment, the containers can be formed as a single closed unit, with the hinge joining the lid portion to the container portion.

**[0040]** In yet another embodiment, the container assembly comprising the base and upper housing portion can be molded separately. As such, in one example, the base portion can be loaded with the item(s) to be retained in the container assembly, and then the upper housing portion can be snap-fit with the base by employing a lip seal mechanism in order to provide moisture-tightness. Consequently, the container and lid assembly can be fit together, and the parts joined without the need for additional sealing methods, e.g., by welding (such as by sonic welding or by thermal welding).

**[0041]** FIG. 14 illustrates one embodiment of the container assembly having a snap-fit by employing a lip seal mechanism. In FIG. 14, a lip seal member **300** of the upper housing portion depends downwardly and extends around the inside of the base portion. The lip seal member **300** is positioned interior to a skirt which also depending downwardly from the upper housing portion. Further, the lip seal member **300** is positioned to lie interior of a lip that extends upward from the base portion, and abut the interior side of the distal end of the lip, when the base portion is snap sealed with the upper housing portion. In one example, the lip seal (1) provides a sealing position, in addition to the one between the skirt and the lip; and (2) applies pressure on the lip from the inside out, which in turn applies pressure on the skirt, thereby applying tightening the seal between the skirt and the lip.

**[0042]** In a further embodiment of the lip seal mechanism, lip seal mechanism is designed to be sufficiently deflective so as to assist in the formation of a seal. As examples, the design of degree of deflection of the flexible lip can include, but is not limited to, the composition of the flexible lip (e.g. type of plastic), the thickness of the flexible lip, the curvature of the flexible lip, the length of the flexible lip and/or any attachments to the flexible lip.

**[0043]** In a further embodiment, the lid and container can be formed in a single piece (for example, joined at the hinge), yet open, as in a clamshell arrangement. The assembly can be filled with contents, closed shut, and then joined, e.g., welded to form a seal, as described above.

**[0044]** An embodiment depicting a two-part assembly is illustrated in FIGS. 6 to 9 and 12. In this embodiment, assembly **100** is provided with cover component **102** and tray component **120**. The cover component **102** has a lid portion **104** that is joined to upper component **108** by hinge **106**. As shown, lid portion **104** has sidewalls **90** located at the periphery of the lid base **92**. The hinge **106** is joined to one of the sidewalls **90**. Within the space of the sidewalls, the underside of the lid base **92** has a recess **93** in which the lip **22"**, depending from the lid base **92**, is located. As shown in FIG. 7, the lip **22"**, which extends in a loop around a portion of the lid base **92**, is positioned to be received in the opening **112** of upper component **108**, when the lid portion is closed on the opening **112**. The lip **22"** is provided with an end **23"** distal to where the lip **22"** is joined to the lid base **92**. As best seen in FIG. 7A, the distal end **23"** of lip **22"** has a tapered edge **25"**, which is adapted to lie substantially flush against the surface **132** of the edge **130**, when the lip **22"** of the lid portion **104** is closed on the opening **112** of the upper component **108**. Thus, when the lid portion **104** is closed on the opening **112** of the upper component **108**, the tapered edge **25"** of the lip **22"** lies substantially flush against the flexible edge **130** surrounding the opening **112** in the top surface **109** of the cover component **102**.

**[0045]** At the end of the lid portion **104** that is opposite the hinge, lid latch component **105**, depending from the lid base **92**, is located. In one embodiment, hooks **107** are provided on the lid latch **105**. In another embodiment, a tab **116**, to facilitate opening of the lid portion, when it is closed on the opening **112**, is provided on the lid portion.

**[0046]** Upper component **108** has top wall **109** from which sidewalls **110** and sloped wall **115** depend downward. Opening **112** is provided in the top wall **109**. In the embodiment relating to hooks, hooks configured to mate with and complement the hooks **107** on the lid portion **104** are positioned at one end of the upper component **108**. At the end opposite where the hooks are positioned, hinge **106** is joined to the upper component **108**. The upper component may have a recess **111** for the hinge **106**, positioned between elevated portions **109'** of top wall **109**.

**[0047]** The tray component **120** is provided with sidewalls **124** and sloped wall **126** depending upward from the base of the tray **122**. Sloped wall **126** is complimentary in its shape to the sloped wall **115** of the upper component **108**. The side walls define a cavity **128** where items can be stored.

**[0048]** As best seen in FIG. 7, the edges **130** of the opening **112** provided in the top wall **109** are formed of a flexible plastic material that slopes downward, into the opening **112**. The edges extend around the periphery of the opening **112**.

**[0049]** Again, seen in FIG. 7A, the distal end **23"** of lip **22"** has a tapered edge **25"**, which is adapted to lie flush against the surface **132** of the edge **130**, when the lip **22"** of the lid portion **104** is closed on the opening **112** of the upper component **108**. Thus, when the lid portion **104** is closed on the opening **112** of the upper component **108**, the tapered edge **25"** of the lip **22"** lies flush against the flexible edge **130** surrounding the opening **112** in the top surface **109** of the upper component **108**, thereby sealing the opening from substantial moisture ingress.

[0050] In the closed position (FIG. 7), hooks 107, 114, provided on the lid portion 104 and the upper component 108, respectively, are engaged with each other, to maintain the lid portion 104 closed on the upper component 108.

[0051] The cover component 102 is adapted to fit over the tray component 120, in order to form a container assembly. The cover component and the tray component can be loaded with items to be dispensed through the opening and then joined together, in the ways previously described herein.

[0052] As seen in FIG. 7, a stack of items is positioned in the container. Opening 112 is sized to permit a person to insert at least a portion of his or her finger therein. As shown in FIG. 8, a person can slide a portion of the index finger inside the hole, sliding an item up the sloped wall of the cavity 128 (FIG. 7), and through the opening.

[0053] A desiccant material, such as a desiccant sleeve, can be positioned in the container. As shown in FIG. 7, the sleeve 34' may be positioned along the base 122 of the tray component, or anywhere else along the interior of the assembly, where the item(s) is stored.

[0054] FIG. 9 shows the assembly in the closed position. It will be readily appreciated that the assembly is relatively compact, and will fit within a purse, handbag, or pocket, without taking up an undesired amount of space.

[0055] FIGS. 12A-12N show various views of another embodiment of a container assembly. Features of this embodiment are similar to the features of the embodiment depicted in FIGS. 6-9, with some differences as described here. The shape of the opening is asymmetrical. Also, the cover component 102 has a two hinge arrangement. Hinge 106 is as described above. Hinge 206 joins the first and second lid portions 104A and 104B. The lip of the lid portion is located on component 104B. Lid portion 104B is provided with tabs 208 that depend downward therefrom. Tabs 208 are sized and positioned to be received in recess 210 located on the top wall 109, and are received therein when the lid portion 104B is closed upon the top wall 109. In one embodiment, lid portion 104B may never be opened again, once it has been closed as described herein. The lid portion 104A is opened and shut at hinge 206.

[0056] FIGS. 13A-12E show various views of yet another embodiment of a container assembly. Features of this embodiment are similar to the features of the embodiment depicted in FIGS. 1-5 and 6-9. As shown, the shape of the opening is asymmetrical. Also, the lid component has a one hinge arrangement. The hinge joins the lid to a portion of the container. In use, the lid portion is opened and shut at the hinge with the lid. In one example of constructing the assembly, the container base is made of two materials—at least a portion of the interior of the base is composed of a desiccant entrained plastic and the remaining portion of the base is composed of a substantially water impermeable plastic (e.g. polypropylene, polyethylene). The lid is welded (e.g. ultrasonic welding) to the lid portion. After the container is filled with the desired material, the lid is joined to container (e.g. ultrasonic welding). The result is a moisture tight container.

[0057] At least some or all of the embodiments of the present invention can be molded according to techniques disclosed in U.S. Pat. Nos. Re 37,676 (a reissue of U.S. Pat. No. 5,723,085), 4,812,116, and 4,783,056, all of which are incorporated herein by reference.

[0058] In another embodiment, the present invention relates to moisture-tight and resealable container and lid

assembly. The term “resealable” means that the lid of the container can be opened/reopened and closed/reclosed a numerous amount of times (e.g. more than 10 times) and still retain its moisture-tight properties. As used herein, the terms “moisture-tight” and “moisture-sensitive” mean the moisture ingress of the container (after three days) was less than about 1500 micrograms of water, in another embodiment, about 500 micrograms of water, in a further embodiment, about 300 micrograms of water, in yet another embodiment, about 150 micrograms of water determined by the following test method: (a) place one gram plus or minus 0.25 grams of molecular sieve in the container and record the weight; (b) fully close the container; (c) place the closed container in an environmental chamber at conditions of 80% relative humidity and 72 F; (c) after one day, weigh the container containing the molecular sieve; (d) after four days, weigh the container containing the molecular sieve; and (e) subtract the first day sample from the fourth day sample to calculate the moisture ingress of the container in units of micrograms of water.

What is claimed is:

1. A substantially moisture tight container and lid assembly for storing and packaging moisture-sensitive items comprising an assembly with a container and a lid, the lid is attached by a hinge to an upper housing portion of the container, the container has a container base, and a sidewall depending upwardly from the base, a top container surface extends inward from the sidewalls, the top container surface is provided with an opening that permits access to the interior of the container, the lid portion has a lid base with an outer periphery that extends over at least a portion of the container portion, the lid base is provided with a skirt that depends downwardly from the base portion, the skirt is configured at a location on the base portion that allows the skirt to enter into a sealing relationship with the container portion, the lid includes a lip seal member that depends downwardly from the lid, the lip seal member is configured to abut at least a portion of the interior side of the container when the lid is in the closed position resulting in a substantially moisture tight seal between the lid and the lid, and the container assembly further comprising a base portion and an upper housing portion, the upper housing portion is capable of being snap-fit into the base portion by employing a lip seal mechanism to form a substantially moisture-tight seal.

2. The container and lid assembly of claim 1 wherein a portion of the lid serves as a tab for facilitating the opening and closing of the container assembly.

3. The container and lid assembly of claim 1 wherein at least a portion of the interior of the container base is composed of a desiccant entrained plastic.

4. The container and lid assembly of claim 1 wherein the container and lid assembly is resealable.

5. The container and lid assembly of claim 1 wherein the moisture ingress of the container, after three days, is less than about 1500 micrograms of water.

6. The container and lid assembly of claim 1 wherein the moisture ingress of the container, after three days, is less than about 500 micrograms of water.

7. The container and lid assembly of claim 1 wherein the moisture ingress of the container, after three days, is less than about 300 micrograms of water.

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