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**(54) ERGONOMIC LEAKPROOF TRAVEL CONTAINER**

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(56) References cited:  
**WO-A1-2011/162621 FR-A3- 2 827 579**  
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**Description**

## BACKGROUND OF THE INVENTION

**[0001]** The present invention generally relates to containers, but more particularly to an ergonomic leakproof travel container.

**[0002]** When traveling, containers are beneficial for storing foods as well as being more environmentally friendly compared to plastic storage bags. Further, when a user wishes to store a liquid or a liquid/solid mixture, plastic storage bags may leak. Baby feeding containers are a typical and useful application of the art. Babies and infants alike eat several times a day and food is necessary when traveling away from home. As well known, most baby food is in puree form and a leakproof container is necessary for this type of food storage. Also, in most situations and especially in regards to small infants and babies, the child is held in one hand and fed with the other requiring the need for one-hand feeding. Consequently, there is a need for an ergonomic leakproof travel container facilitating a one-hand feeding method.

**[0003]** FR2827579 describes a plastic container comprising a body, a lid connected to the container via a hinge, and a closure. The periphery of the lid is provided with a groove that receives an edge of the body when the lid is closed. An internal compartment is moulded into the lid and is used to receive objects such as cutlery for example. The internal compartment is closed by a flap in the upper face of the cover.

## BRIEF SUMMARY OF THE INVENTION

**[0004]** The present invention provides an ergonomic leakproof travel container according to claim 1.

## BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWINGS

**[0005]** Other features and advantages of the present invention will become apparent when the following detailed description is read in conjunction with the accompanying drawings, in which:

FIGS. 1A-C are various perspective views of an ergonomic leakproof travel container according to an embodiment of the present invention.

FIG. 2 is a perspective view of the ergonomic leakproof travel container with the outer lid in an open position according to an embodiment of the present invention.

FIGS. 3A-C are various perspective views of a chambered storage insert of the ergonomic leakproof travel container according to an embodiment of the present invention.

FIG. 4A is a front section view of the ergonomic leakproof travel container according to an embodiment of the present invention.

FIG. 4B is a side section view of the ergonomic leakproof travel container according to an embodiment of the present invention.

FIG. 4C is a detailed view of FIG. 4B.

FIG. 5 is a perspective view of the ergonomic leakproof travel container with both the inner and outer lid in an open position according to an embodiment of the present invention.

FIG. 6 is a detailed view of the ergonomic leakproof travel container according to an embodiment of the present invention.

FIG. 7 is a detailed view of a bottom side of the ergonomic leakproof travel container according to an embodiment of the present invention.

## DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

**[0006]** The following description is provided to enable any person skilled in the art to make and use the invention and sets forth the best modes contemplated by the inventor of carrying out their invention. Various modifications, however, will remain readily apparent to those skilled in the art, since the general principles of the present invention have been defined herein to specifically provide an ergonomic leakproof travel container.

**[0007]** FIGS. 1A-C are various perspective views of an ergonomic leakproof travel container 100 according to an embodiment of the present invention. Referring now to FIGS. 1A-C, the leakproof travel container comprises a body member 101 and an outer lid 102 hingedly attached to the body member via hinge member 104. In one embodiment, the body member has a continuous side wall having a general oval shape. In one embodiment, an ergonomic concave portion 101A situated on the front side of the body member is configured to be positioned in a hand of a user during use, preferably the palm of the hand. This is a particular advantage of the present invention as it conveniently allows the user to utilize the one-handing feeding method as previously discussed. In one embodiment, the outer lid has a rounded perimeter edge 102A. In one embodiment, the body member includes a plurality of feet 105 on a bottom surface of the body member to aid in traction when the container is placed on a surface, such as a table or counter. A latch member 103 is attached to the body member and secures the outer lid in a closed position as illustrated. The latch member will be discussed in greater detail below.

**[0008]** FIG. 2 is a perspective view of the ergonomic

leakproof travel container with the outer lid in an open position according to an embodiment of the present invention. Referring now to FIG. 2, as illustrated, the outer lid and latch member are in an open position revealing an inner lid 106. Similarly to the outer lid, the inner lid is hingedly attached to the body member via hinge member 104. The hinge member comprises a first bar 126 (FIG. 4B) structurally attached to the back side of the body member. The outer lid comprises a first plurality of hinge hooks 104A, and the inner lid comprises a second plurality of hinge hooks 104B, wherein both the first and second pluralities of hinge hooks are configured to hook around the first bar. This allows independent action between the outer and inner lid utilizing a single hinge member.

**[0009]** Still referring to FIG. 2, the inner lid comprises a flange portion 106A having a plurality of holes 109 spaced circumferentially around the flange portion. In one embodiment, a removable feeding utensil 107, such as a spoon, fork, or spork, is press fit in a feeding utensil insert 108 located on the top surface of the inner lid. Specially, the feeding utensil insert includes a plurality of vertical ridges 108A (FIG. 6) to secure the removable feeding utensil in place. The feeding utensil insert is shaped like the removable feeding utensil. A first gasket 110 (FIG. 3A) comprises a plurality of locking caps 111 positioned through the plurality of holes configured to hold the first gasket in place as well as to prevent the first gasket from sticking to the body member when the inner and outer lid are in an opened position. The first gasket will be discussed in greater detail below.

**[0010]** FIGS. 3A-C are various perspective views of a chambered storage insert 112 of the ergonomic leakproof travel container according to an embodiment of the present invention. Referring now to FIGS. 3A-C, the chambered storage insert is revealed when the outer and inner lids are in an opened position. The chambered storage insert is removable and configured to store and transport at least two types of foods and/or liquids depending on the internal configurations. For instance, as illustrated the chambered storage insert comprises a divider 116 separating the chambered storage insert into a first and second storage chamber 114 and 115 respectively. In one embodiment, the divider includes space 117 further separating the first and second storage chambers, this helps insulate the chambers from each other which is especially beneficial when hot and cold food items are stored in respective containers. It should be understood, in alternative embodiments, multiple dividers may be present permitting more storage chambers. As illustrated, the chambered storage insert comprises a body wall 113 sized and shaped to press fit into the body member. A second gasket 118 fit in the body wall is provided, and will be discussed in greater detail below.

**[0011]** FIGS. 4A-C are various section and detail views of the ergonomic leakproof travel container according to an embodiment of the present invention. FIG. 4A is a front section view of the ergonomic leakproof travel con-

tainer. Referring to FIG. 4A, divider 116 and space 117 can be clearly seen. Also in this view, it can be seen that when outer lid 102 is in a closed position, a portion of the outer lid is pressed against inner lid 106 at pressure point 131. As previously mentioned the latch member secures the outer lid in a closed position. When the latch is secure, the outer lid is pressed against inner lid generating two leakproof seals with the first and second gaskets 110 and 118. Further details of the latch and gaskets will be discussed in greater detail below.

**[0012]** FIG. 4B is a side section view of the ergonomic leakproof travel container. Referring now to FIG. 4B, the details of the latch member are illustrated. Specifically, latch member 103 is rotatable around second bar 127, and includes a raised edge 103A configured to snap on lip 102C formed by recessed portion 10213 located in the outer lid.

**[0013]** FIG. 4C is a detailed view of FIG. 4B. Referring now to FIG. 4C, the details of the first and second gasket are provided. The first gasket comprises a first protrusion 123 and second protrusion 124. The first gasket provides a first leakproof seal between rim 101B and an inner horizontal surface 128 via the first protrusion, a second leakproof seal between inner surface 120 and inner vertical surface 129 via the second protrusion, and a third leakproof seal between the rim and rib 106B. The shape and construction of flange 106A of the inner lid creates cavity 125 having the inner horizontal and inner vertical surfaces. The rib located on the underside of the flange on the inner horizontal surface helps compress the first gasket against the rim of the body member. In a preferred embodiment, one rib is provided, however it is understood that more than one rib may be provided to add pressure on the first gasket between the rim of the body member. As previously mentioned, the first gasket further comprises a plurality of locking caps 111 positioned through the plurality of holes configured to hold the first gasket in place as well as to prevent the first gasket from sticking to the body member when the first and second lid are in an opened position.

**[0014]** The second gasket comprises a third protrusion 121 and fourth protrusion 122. The second gasket provides a fourth leakproof seal between a top surface 130 of the body wall of the chambered storage insert and a lower rim 106C of the inner lid, and a fifth leakproof seal between inner surface 120 and the outer surface of the body wall of chambered storage insert via the third protrusion. The fourth protrusion is inserted into slot 119 located on the top surface of the body wall of the chambered storage insert, this keeps the second gasket in place when the chambered storage insert is removed from the body member during use. In one embodiment, the second gasket is combined with the chambered storage insert via overmolding.

**[0015]** In one embodiment, all the structural components of the invention are constructed from a rigid BPA-free plastic. In a preferred embodiment, the rigid BPA-free plastic is a food grade copolyester plastic, such as

Tritan® from Eastman Chemical. In one embodiment, all the structural components of the invention are constructed from a rigid EA-free plastic. In one embodiment, the structural components have a translucent polished finish in a 10% color saturation. In one embodiment, the structural components are opaque, including 100% opacity. In one embodiment, the structural components are transparent. In one embodiment, the first and second gaskets are constructed from a food-grade silicone. In one embodiment, the first and second gaskets are made from a thermoplastic elastomer (TPE). A variety of colors may be used, but since the intended use is for feeding infants and small children a pink or blue shade is preferred.

**[0016]** FIG. 5 is a perspective view of the ergonomic leakproof travel container with both the inner and outer lid in an open position according to an embodiment of the present invention. Referring now to FIG. 5, both the inner and outer lid is in a completely open position. This is a particular advantage of the present invention, as in this position when the lids are completely open and extended backwards touching a surface (not illustrated) the container is resting on, the lids act as a counterbalance keeping the container upright. The positioned and angle of the plurality of feet (outward in the front portion 105A; FIG. 7) acts in conjunction with the lids preventing the container from tipping when on a flat surface. This allows a user to use the container and removable utensil to remove any stored food as well as placing the removable utensil inside the container without the container tipping over.

**[0017]** Although the invention has been described in considerable detail in language specific to structural features and or method acts, it is to be understood that the invention defined in the appended claims is not necessarily limited to the specific features or acts described. Rather, the specific features and acts are disclosed as exemplary preferred forms of implementing the claimed invention. Stated otherwise, it is to be understood that the phraseology and terminology employed herein, as well as the abstract, are for the purpose of description and should not be regarded as limiting. Therefore, while exemplary illustrative embodiments of the invention have been described, numerous variations and alternative embodiments will occur to those skilled in the art. Such variations and alternate embodiments are contemplated, as long as these fall within the scope of the appended claims.

**[0018]** It should further be noted that throughout the entire disclosure, the labels such as left, right, front, back, top, bottom, forward, reverse, clockwise, counter clockwise, up, down, or other similar terms such as upper, lower, aft, fore, vertical, horizontal, oblique, proximal, distal, parallel, perpendicular, transverse, longitudinal, etc. have been used for convenience purposes only and are not intended to imply any particular fixed direction or orientation. Instead, they are used to reflect relative locations and/or directions/orientations between various portions of an object.

**[0019]** In addition, reference to "first," "second," "third," and etc. members throughout the disclosure (and in particular, claims) are not used to show a serial or numerical limitation but instead are used to distinguish or identify the various members of the group.

## Claims

1. An ergonomic leakproof travel container (100) comprising:

a body member (101) having a front side, a back side, and a continuous sidewall, wherein the continuous sidewall has an outer surface and inner surface forming a hollow interior;

a first lid member (102) hingedly attached to the body member (101) via a first hinge member (104);

a second lid member (106) independent from the first lid member (102), wherein the second lid member is hingedly attached to the body member (101) via the first hinge member (104);

a chambered storage insert (112) sized and shaped to fit in the hollow interior;

a latch member (103) attached to a second hinge member on the front side, wherein the latch member is configured to secure the first lid (102) and second lid (106) in a closed position; a first gasket (110) positioned between the body member (101) and the second lid (106) creating a first leakproof seal; and

a second gasket (118) positioned between the chambered storage insert (112) and the second lid (106) creating a second leakproof seal.

2. The container of claim 1, wherein:

the continuous sidewall of the body member (101) includes a rim adjacent to a top portion of the inner surface, and the front side includes an ergonomic concave portion configured to be positioned in a hand of a user during use;

the second lid member (106) includes a flange portion and a lower rim, the flange portion creating a cavity having an inner horizontal surface and an inner vertical surface;

the chambered storage insert (112) has a second continuous sidewall including a second outer surface, a second inner surface, and a top surface, the chambered storage insert (112) having at least one divider forming at least two chambers, and the chambered storage insert (112) is sized and shaped to press fit in the hollow interior;

the first gasket (110) provides the first leakproof seal between the rim of the body member (101)

- and the inner horizontal surface of the second lid (106), and further provides a third leakproof seal between the first inner surface of the body member (101) and the inner vertical surface of the second lid (106); and  
the second gasket (118) provides the second leakproof seal between the top surface of the chambered storage insert (112) and the lower rim of the second lid (106), and further provides a fourth leakproof seal between the first inner surface of the body member (101) and the second outer surface of the chambered storage insert (112).
3. The container of claim 1 or claim 2, further comprising a removable feeding utensil (107) press fit in a feeding utensil insert (108) located on the second lid (106), the feeding utensil insert having a plurality of vertical ridges to secure the removable feeding utensil in place.
  4. The container of claim 3, wherein the removable feeding utensil (107) is a spoon and a fork combination.
  5. The container of claim 1 or claim 2, wherein the first lid member (102) includes a recessed portion forming a lip and the latch member includes a raised edge configured to snap on the lip.
  6. The container of claim 1 or claim 2, wherein the chambered storage insert (112) is removable and configured to store and transport at least two types of foods and/or liquids.
  7. The container of claim 1 or claim 2, wherein the first hinge member is positioned on the back side and the first hinge member includes a first bar.
  8. The container of claim 7, wherein the first lid member (102) includes a first plurality of hinge hooks and the second lid member (106) includes a second plurality of hinge hooks, wherein both the first and second pluralities of hinge hooks are configured to hook around the first bar.
  9. The container of claim 8, wherein the second hinge member includes a second bar and the latch member includes a hooked portion configured to hook around the second bar.
  10. The container of claim 1 or claim 2, wherein the continuous sidewall of the body member (101) has no right angles.
  11. The container of claim 1 or claim 2, wherein the first lid (102) includes a rounded perimeter surface.
  12. The container of claim 1 or claim 2, wherein the container has a general oval shape.
  13. The container of claim 1 or claim 2, further comprising a plurality of feet positioned on a bottom side of the body member (101), wherein the plurality of feet, the body member (101), the first lid (102), and the second lid (106) act as a counterbalance such that when the first and second lid (106) are in a fully extended and open position the container is balanced in an upright position and the container is prevented from tipping when on a flat surface.
  14. The container of claim 2, wherein:
    - the first lid member (102) is an outer lid;
    - the second lid member (106) is an inner lid, the inner horizontal surface of the second lid including at least one rib, and the second lid including a plurality of holes on the flange portion of the second lid;
    - the top surface of the chambered storage insert (112) has a slot;
    - the first gasket (110) further provides a fifth leakproof seal between the rim of the body member (101) and the at least one rib of the second lid (106), and the first gasket (110) includes a plurality of locking caps positioned through the plurality of holes in the second lid configured to hold the first gasket (110) in place as well as to prevent the first gasket (110) from sticking to the body member (101) when the first (102) and second lid (106) are in an opened position; and
    - the second gasket (118) having a rim, the rim of the second gasket inserted into the slot of the chambered storage insert (112).
  15. The container of claim 14, wherein the second gasket (118) is combined with the chambered storage insert (112) by overmolding.

#### Patentansprüche

1. Ergonomischer auslaufsicherer Reisebehälter (100), der umfasst:
  - ein Hauptteil (101) mit einer Vorderseite, einer Rückseite und einer durchgehenden Seitenwand, wobei die durchgehende Seitenwand eine Außenfläche und eine Innenfläche aufweist, die einen hohlen Innenraum bildet;
  - ein erstes Deckelteil (102), das schwenkbar an dem Hauptteil (101) über ein erstes Scharnier- teil (104) befestigt ist;
  - ein zweites Deckelteil (106), das von dem ersten Deckelteil (102) eigenständig ist, wobei das zweite Deckelteil schwenkbar an dem Hauptteil

(101) über das erste Scharnierteil (104) befestigt ist;  
 einen Aufbewahrungseinsatz (112) mit Kammern, der dimensioniert und geformt ist, in den hohlen Innenraum zu passen;  
 ein Verschlussstück (103), das an einem zweiten Scharnierteil an der Vorderseite befestigt ist, wobei das Verschlussstück ausgestaltet ist, den ersten Deckel (102) und den zweiten Deckel (106) in einer geschlossenen Position zu sichern;  
 eine erste Dichtung (110), die zwischen dem Hauptteil (101) und dem zweiten Deckel (106) positioniert ist, die eine erste auslaufsichere Abdichtung herstellt; und  
 eine zweite Dichtung (118), die zwischen dem Aufbewahrungseinsatz (112) mit Kammern und dem zweiten Deckel (106) positioniert ist, die eine zweite auslaufsichere Abdichtung herstellt.

**2. Behälter nach Anspruch 1, wobei:**

die durchgehende Seitenwand des Hauptteils (101) einen an einen oberen Abschnitt der Innenfläche angrenzenden Rand umfasst, und die Vorderseite einen ergonomischen konkaven Abschnitt umfasst, der ausgestaltet ist, während einer Verwendung in einer Hand eines Benutzers positioniert zu sein;  
 das zweite Deckelstück (106) einen Flanschabschnitt und einen unteren Rand umfasst, wobei der Flanschabschnitt einen Hohlraum mit einer horizontalen Innenfläche und einer vertikalen Innenfläche herstellt;  
 der Aufbewahrungseinsatz (112) mit Kammern eine zweite durchgehende Seitenwand aufweist, die eine zweite Außenfläche, eine zweite Innenfläche und eine obere Fläche umfasst, wobei der Aufbewahrungseinsatz (112) mit Kammern mindestens eine Trennwand aufweist, die mindestens zwei Kammern bildet, und der Aufbewahrungseinsatz (112) mit Kammern dimensioniert und geformt ist, in den hohlen Innenraum presszupassen;  
 die erste Dichtung (110) die erste auslaufsichere Abdichtung zwischen dem Rand des Hauptteils (101) und der horizontalen Innenfläche des zweiten Deckels (106) bereitstellt, und ferner eine dritte auslaufsichere Abdichtung zwischen der ersten Innenfläche des Hauptteils (101) und der vertikalen Innenfläche des zweiten Deckels (106) bereitstellt; und  
 die zweite Dichtung (118) die zweite auslaufsichere Abdichtung zwischen der oberen Fläche des Aufbewahrungseinsatzes (112) mit Kammern und dem unteren Rand des zweiten Deckels (106) bereitstellt, und ferner eine vierte auslaufsichere Abdichtung zwischen der ersten

Innenfläche des Hauptteils (101) und der zweiten Außenfläche des Aufbewahrungseinsatzes (112) mit Kammern bereitstellt.

- 5 **3.** Behälter nach Anspruch 1 oder Anspruch 2, ferner umfassend ein entnehmbares Fütterungsutensil (107), das in einen Fütterungsutensileinsatz (108) pressgepasst ist, der sich an dem zweiten Deckel (106) befindet, wobei der Fütterungsutensileinsatz eine Mehrzahl von vertikalen Erhöhungen aufweist, um das entnehmbare Fütterungsutensil in Position zu sichern.
- 10 **4.** Behälter nach Anspruch 3, wobei das entnehmbare Fütterungsutensil (107) eine Löffel- und Gabelkombination ist.
- 15 **5.** Behälter nach Anspruch 1 oder Anspruch 2, wobei das erste Deckelstück (102) einen vertieften Abschnitt umfasst, der eine Lippe bildet, und das Verschlussstück eine erhöhte Kante umfasst, die ausgestaltet ist, an der Lippe einzurasten.
- 20 **6.** Behälter nach Anspruch 1 oder Anspruch 2, wobei der Aufbewahrungseinsatz (112) mit Kammern entnehmbar und ausgestaltet ist, mindestens zwei Arten von Lebensmitteln und/oder Flüssigkeiten aufzubewahren und zu transportieren.
- 25 **7.** Behälter nach Anspruch 1 oder Anspruch 2, wobei das erste Scharnierteil an der Rückseite positioniert ist und das erste Scharnierteil eine erste Stange umfasst.
- 30 **8.** Behälter nach Anspruch 7, wobei das erste Deckelstück (102) eine erste Mehrzahl von Scharnierhaken umfasst und das zweite Deckelstück (106) eine zweite Mehrzahl von Scharnierhaken umfasst, wobei die erste und zweite Mehrzahl von Scharnierhaken ausgestaltet sind, sich um die erste Stange zu haken.
- 35 **9.** Behälter nach Anspruch 8, wobei das zweite Scharnierteil eine zweite Stange umfasst und das Verschlussstück einen Hakenabschnitt umfasst, der ausgestaltet ist, sich um die zweite Stange zu haken.
- 40 **10.** Behälter nach Anspruch 1 oder Anspruch 2, wobei die durchgehende Seitenwand des Hauptteils (101) keine rechten Winkel aufweist.
- 45 **11.** Behälter nach Anspruch 1 oder Anspruch 2, wobei der erste Deckel (102) eine abgerundete Umfangsfläche umfasst.
- 50 **12.** Behälter nach Anspruch 1 oder Anspruch 2, wobei der Behälter eine im Allgemeinen ovale Form aufweist.
- 55

13. Behälter nach Anspruch 1 oder Anspruch 2, ferner umfassend eine Mehrzahl von Füßen, die an einer Unterseite des Hauptteils (101) positioniert ist, wobei die Mehrzahl von Füßen, das Hauptteil (101), der erste Deckel (102) und der zweite Deckel (106) derart als ein Gegengewicht dienen, dass, wenn sich der erste und zweite Deckel (106) in einer vollständig ausgezogenen und geöffneten Position befinden, der Behälter in einer aufrechten Position im Gleichgewicht gehalten wird und der Behälter an einem Umfallen gehindert wird, wenn er sich auf einer ebenen Fläche befindet.

14. Behälter nach Anspruch 2, wobei:

das erste Deckelteil (102) ein äußerer Deckel ist; das zweite Deckelteil (106) ein innerer Deckel ist, wobei die horizontale Innenfläche des zweiten Deckels mindestens eine Rippe umfasst, und der zweite Deckel eine Mehrzahl von Löchern an dem Flanschabschnitt des zweiten Deckels umfasst; die obere Fläche des Aufbewahrungseinsatzes (112) mit Kammern einen Schlitz aufweist; die erste Dichtung (110) ferner eine fünfte auslaufsichere Abdichtung zwischen dem Rand des Hauptteils (101) und der mindestens einen Rippe des zweiten Deckels (106) bereitstellt, und die erste Dichtung (110) eine Mehrzahl von Verriegelungskappen umfasst, die durch die Mehrzahl von Löchern in dem zweiten Deckel positioniert sind, die ausgestaltet sind, die erste Dichtung (110) in Position zu halten sowie zu verhindern, dass die erste Dichtung (110) an dem Hauptteil (101) haftet, wenn sich der erste (102) und der zweite Deckel (106) in einer geöffneten Position befinden; und die zweite Dichtung (118) einen Rand aufweist, wobei der Rand der zweiten Dichtung in den Schlitz des Aufbewahrungseinsatzes (112) mit Kammern eingesetzt ist.

15. Behälter nach Anspruch 14, wobei die zweite Dichtung (118) mit dem Aufbewahrungseinsatz (112) mit Kammern durch Überspritzen zusammengefügt ist.

## Revendications

1. Conteneur de voyage étanche ergonomique (100) comprenant :

un élément de corps (101) ayant un côté avant, un côté arrière et une paroi latérale continue, la paroi latérale continue ayant une surface externe et une surface interne formant un intérieur creux ; un premier élément de couvercle (102) attaché

de façon articulée à l'élément de corps (101) par le biais d'un premier élément de charnière (104) ;

un deuxième élément de couvercle (106) indépendant du premier élément de couvercle (102), le deuxième élément de couvercle étant attaché de façon articulée à l'élément de corps (101) par le biais du premier élément de charnière (104) ; une garniture intérieure de stockage à chambres (112) dimensionnée et façonnée pour s'ajuster dans l'intérieur creux ; un élément de verrou (103) attaché à un deuxième élément de charnière sur le côté avant, l'élément de verrou étant configuré pour bloquer le premier couvercle (102) et le deuxième couvercle (106) dans une position fermée ; un premier joint (110) positionné entre l'élément de corps (101) et le deuxième couvercle (106) créant un premier joint étanche ; et un deuxième joint (118) positionné entre la garniture intérieure de stockage à chambres (112) et le deuxième couvercle (106) créant un deuxième joint étanche.

2. Conteneur de la revendication 1, dans lequel :

la paroi latérale continue de l'élément de corps (101) comporte une couronne adjacente à une partie supérieure de la surface interne, et le côté avant comporte une partie concave ergonomique configurée pour être positionnée dans une main d'un utilisateur à l'usage ;

le deuxième élément de couvercle (106) comporte une partie de rebord et une couronne inférieure, la partie de rebord créant une cavité ayant une surface interne horizontale et une surface interne verticale ;

la garniture intérieure de stockage à chambres (112) a une deuxième paroi latérale continue comportant une deuxième surface externe, une deuxième surface interne et une surface supérieure, la garniture intérieure de stockage à chambres (112) ayant au moins une cloison formant au moins deux chambres, et la garniture intérieure de stockage à chambres (112) étant dimensionnée et façonnée pour s'ajuster de force dans l'intérieur creux ;

le premier joint (110) fournit le premier joint étanche entre la couronne de l'élément de corps (101) et la surface interne horizontale du deuxième couvercle (106), et fournit en outre un troisième joint étanche entre la première surface interne de l'élément de corps (101) et la surface interne verticale du deuxième couvercle (106) ; et

le deuxième joint (118) fournit le deuxième joint étanche entre la surface supérieure de la garniture intérieure de stockage à chambres (112) et

- la couronne inférieure du deuxième couvercle (106), et fournit en outre un quatrième joint étanche entre la première surface interne de l'élément de corps (101) et la deuxième surface externe de la garniture intérieure de stockage à chambres (112).
3. Conteneur de la revendication 1 ou la revendication 2, comprenant en outre un ustensile d'alimentation amovible (107) ajusté de force dans une garniture intérieure pour ustensile d'alimentation (108) située sur le deuxième couvercle (106), la garniture intérieure pour ustensile d'alimentation ayant une pluralité d'arêtes verticales pour bloquer l'ustensile d'alimentation amovible en place.
4. Conteneur de la revendication 3, dans lequel l'ustensile d'alimentation amovible (107) est une combinaison de cuillère et de fourchette.
5. Conteneur de la revendication 1 ou la revendication 2, dans lequel le premier élément de couvercle (102) comporte une partie en retrait formant une lèvre et l'élément de verrou comporte un bord surélevé configuré pour s'encliqueter sur la lèvre.
6. Conteneur de la revendication 1 ou la revendication 2, dans lequel la garniture intérieure de stockage à chambres (112) est amovible et configurée pour stocker et transporter au moins deux types d'aliments et/ou de liquides.
7. Conteneur de la revendication 1 ou la revendication 2, dans lequel le premier élément de charnière est positionné sur le côté arrière et le premier élément de charnière comporte une première barre.
8. Conteneur de la revendication 7, dans lequel le premier élément de couvercle (102) comporte une première pluralité de crochets de charnière et le deuxième élément de couvercle (106) comporte une deuxième pluralité de crochets de charnière, les première et deuxième pluralités de crochets de charnière étant toutes deux configurées pour s'accrocher autour de la première barre.
9. Conteneur de la revendication 8, dans lequel le deuxième élément de charnière comporte une deuxième barre et l'élément de verrou comporte une partie en forme de crochet configurée pour s'accrocher autour de la deuxième barre.
10. Conteneur de la revendication 1 ou la revendication 2, dans lequel la paroi latérale continue de l'élément de corps (101) n'a pas d'angles droits.
11. Conteneur de la revendication 1 ou la revendication 2, dans lequel le premier couvercle (102) comporte
- une surface périmétrique arrondie.
12. Conteneur de la revendication 1 ou la revendication 2, le conteneur ayant une forme générale ovale.
13. Conteneur de la revendication 1 ou la revendication 2, comprenant en outre une pluralité de pieds positionnés sur un côté inférieur de l'élément de corps (101), la pluralité de pieds, l'élément de corps (101), le premier couvercle (102) et le deuxième couvercle (106) agissant comme un contrepoids de telle sorte que, quand le premier et le deuxième couvercle (106) sont dans une position totalement déployée et ouverte, le conteneur est équilibré dans une position droite et le conteneur ne peut pas se renverser lorsqu'il est sur une surface plate.
14. Conteneur de la revendication 2, dans lequel :
- le premier élément de couvercle (102) est un couvercle externe ;  
le deuxième élément de couvercle (106) est un couvercle interne, la surface interne horizontale du deuxième couvercle comportant au moins une nervure, et le deuxième couvercle comportant une pluralité de trous sur la partie de rebord du deuxième couvercle ;  
la surface supérieure de la garniture intérieure de stockage à chambres (112) a une fente ;  
le premier joint (110) fournit en outre un cinquième joint étanche entre la couronne de l'élément de corps (101) et l'au moins une nervure du deuxième couvercle (106), et le premier joint (110) comporte une pluralité de chapeaux de blocage positionnés à travers la pluralité de trous dans le deuxième couvercle configurés pour maintenir le premier joint (110) en place ainsi que pour empêcher le premier joint (110) de coller à l'élément de corps (101) quand les premier (102) et deuxième (106) couvercles sont dans une position ouverte ; et  
le deuxième joint (118) a une couronne, la couronne du deuxième joint étant insérée dans la fente de la garniture intérieure de stockage à chambres (112).
15. Conteneur de la revendication 14, dans lequel le deuxième joint (118) est combiné à la garniture intérieure de stockage à chambres (112) par surmoulage.

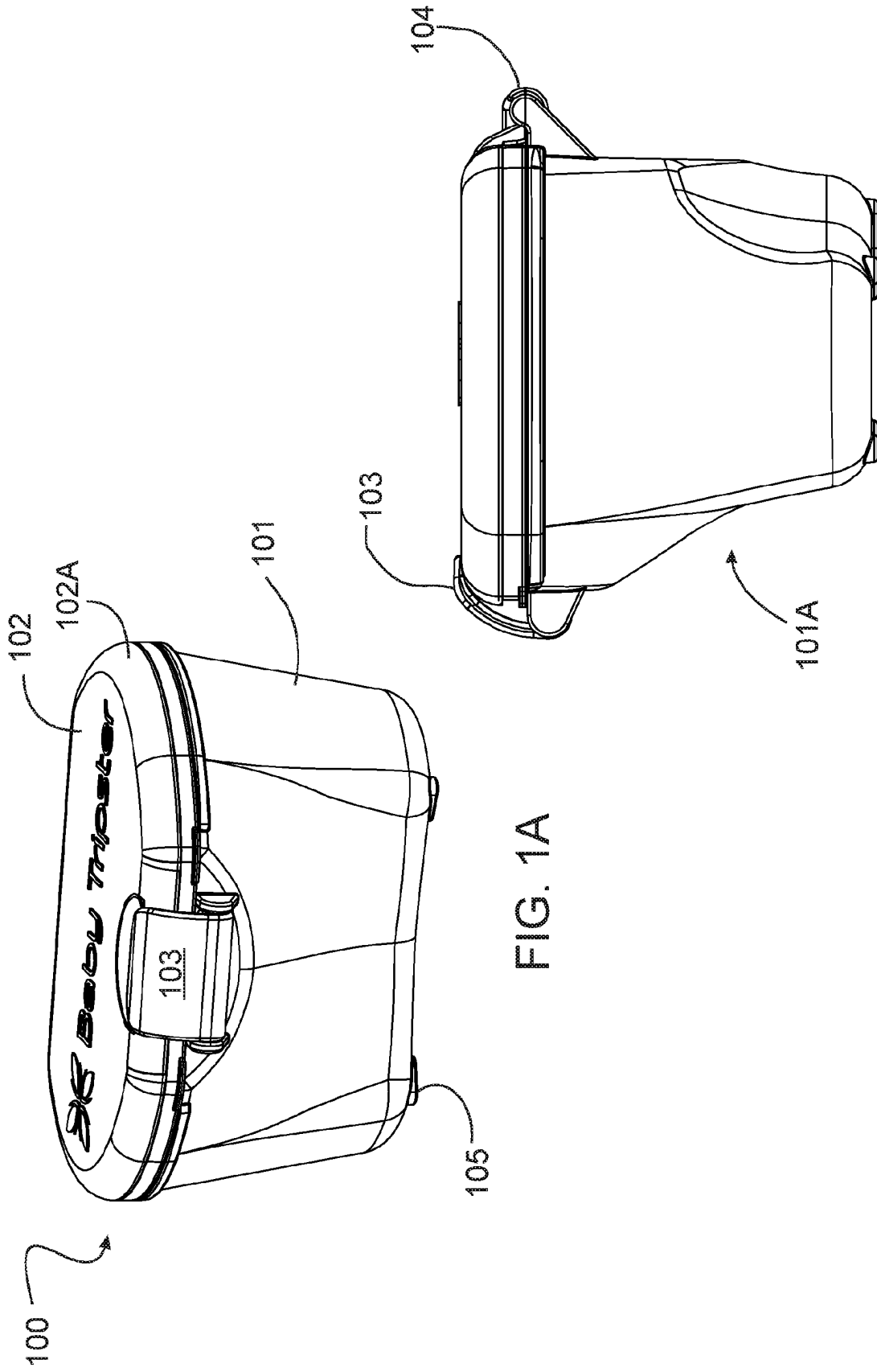


FIG. 1A

FIG. 1B

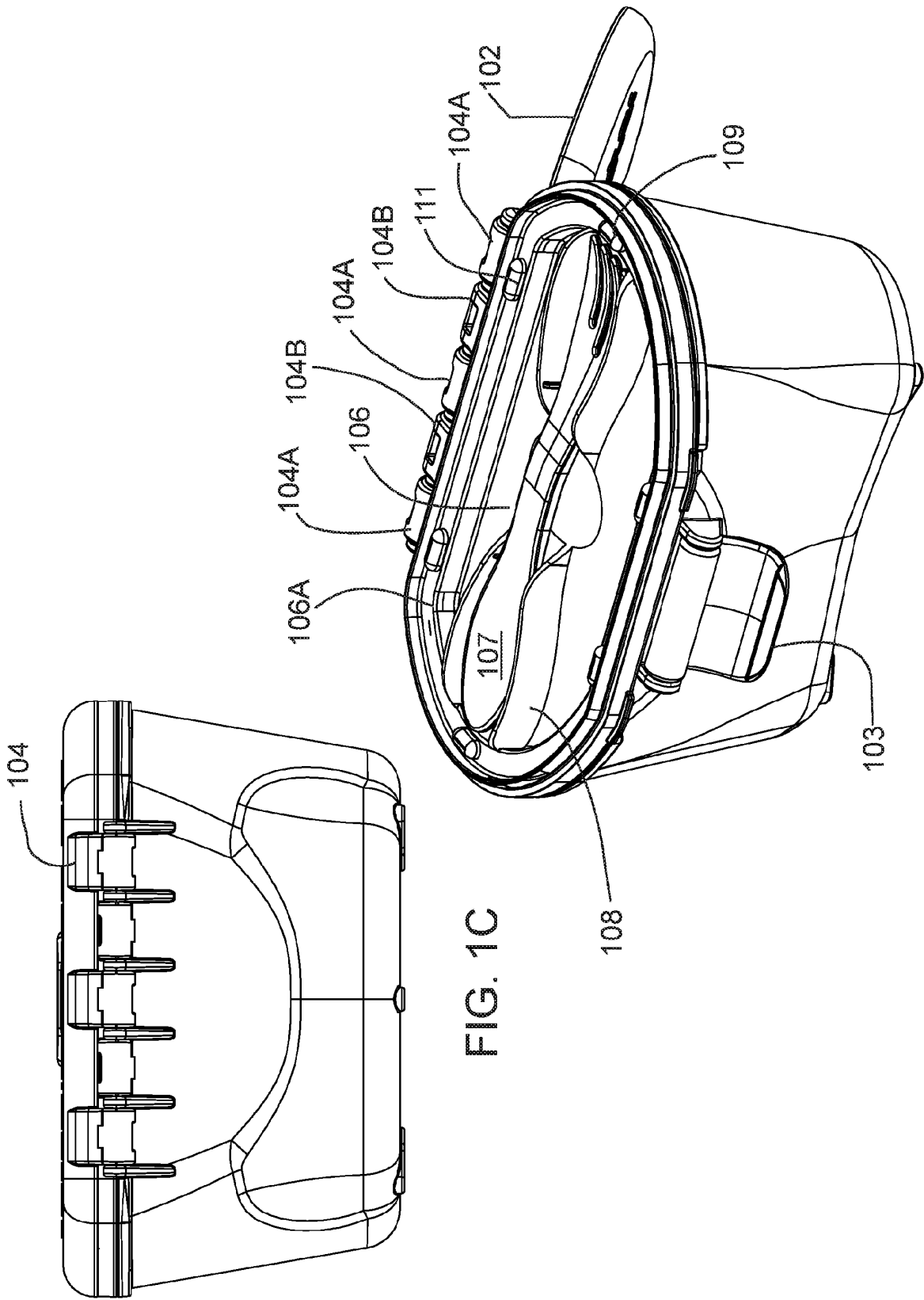


FIG. 1C

FIG. 2

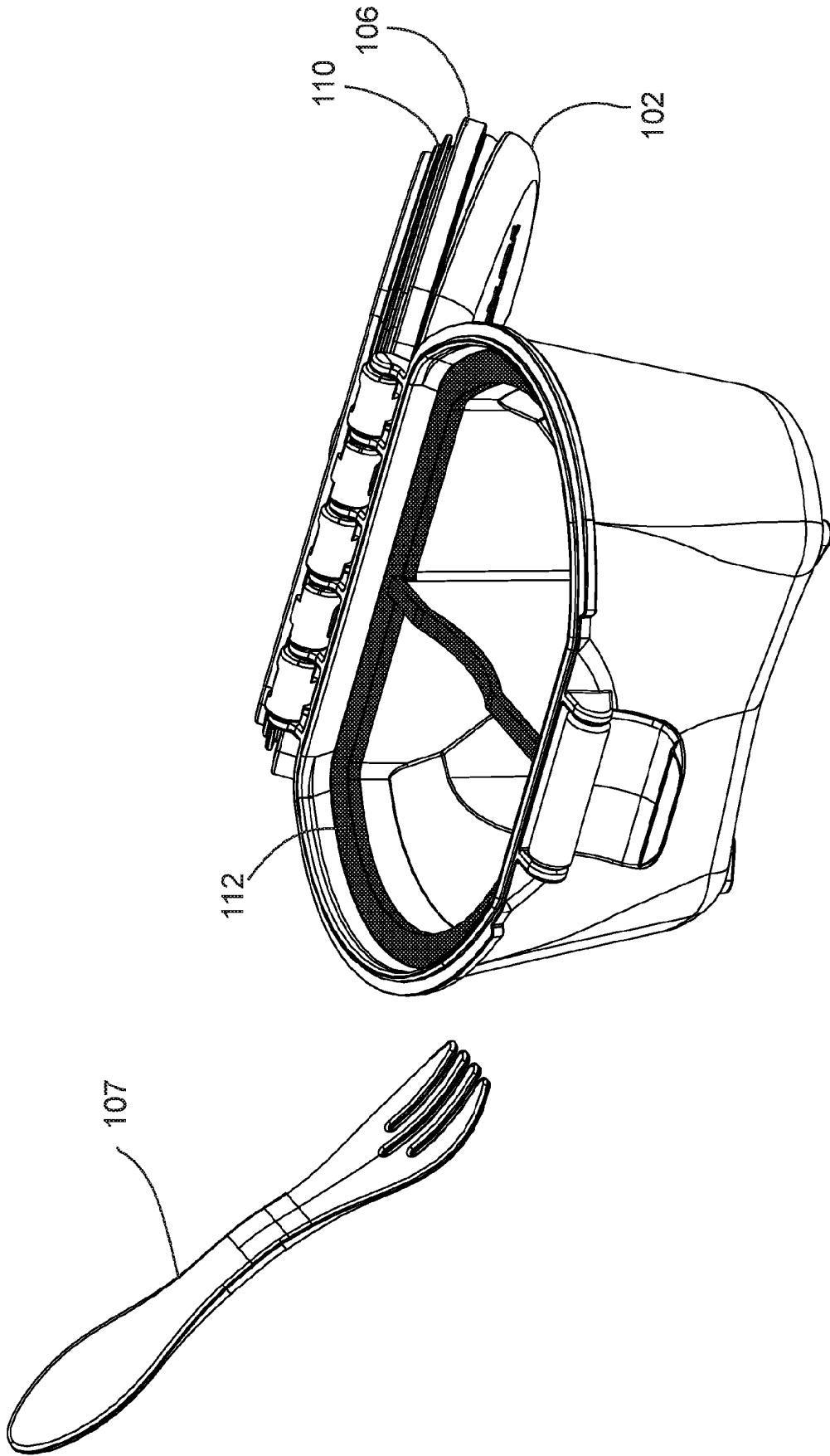


FIG. 3A

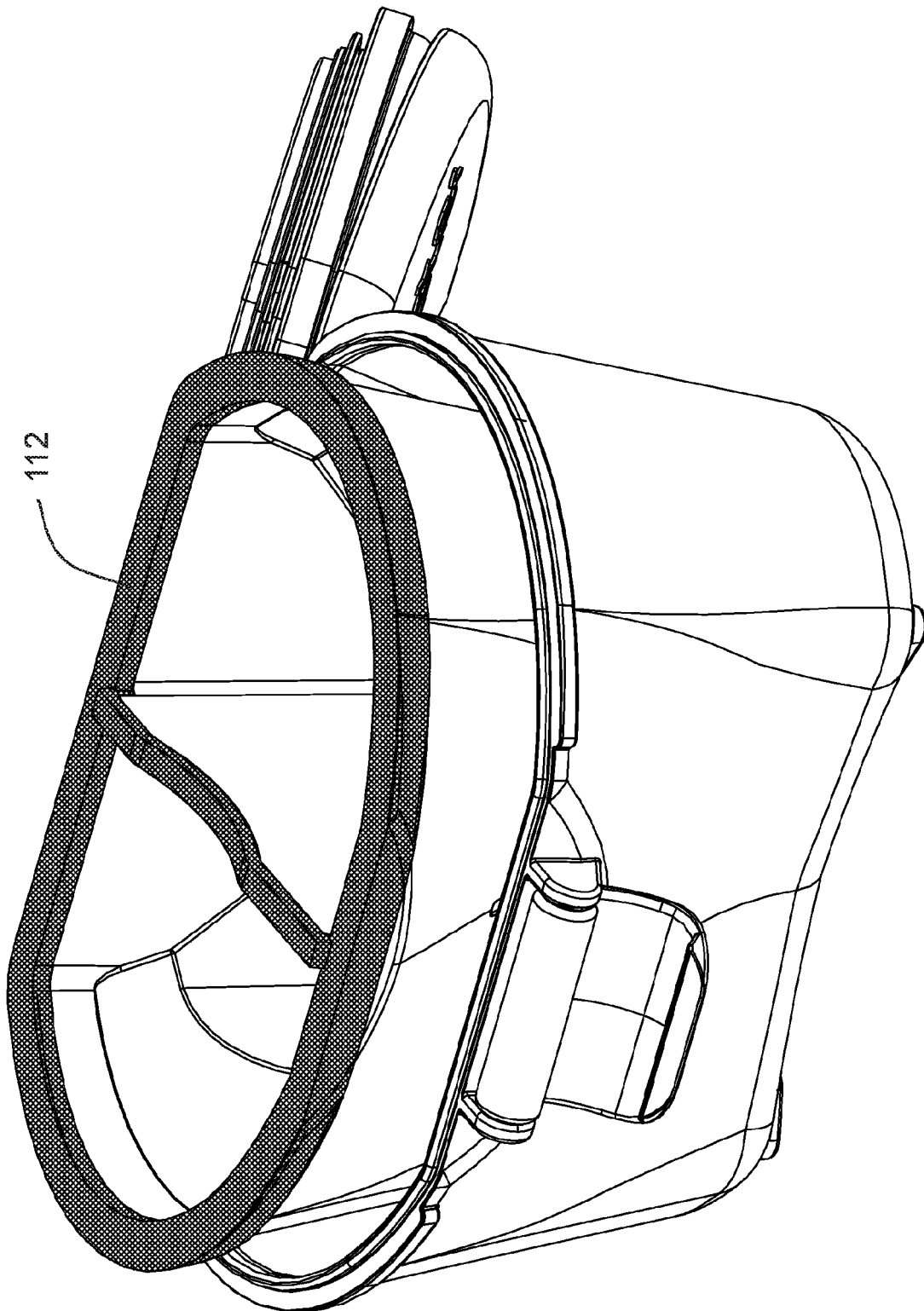


FIG. 3B

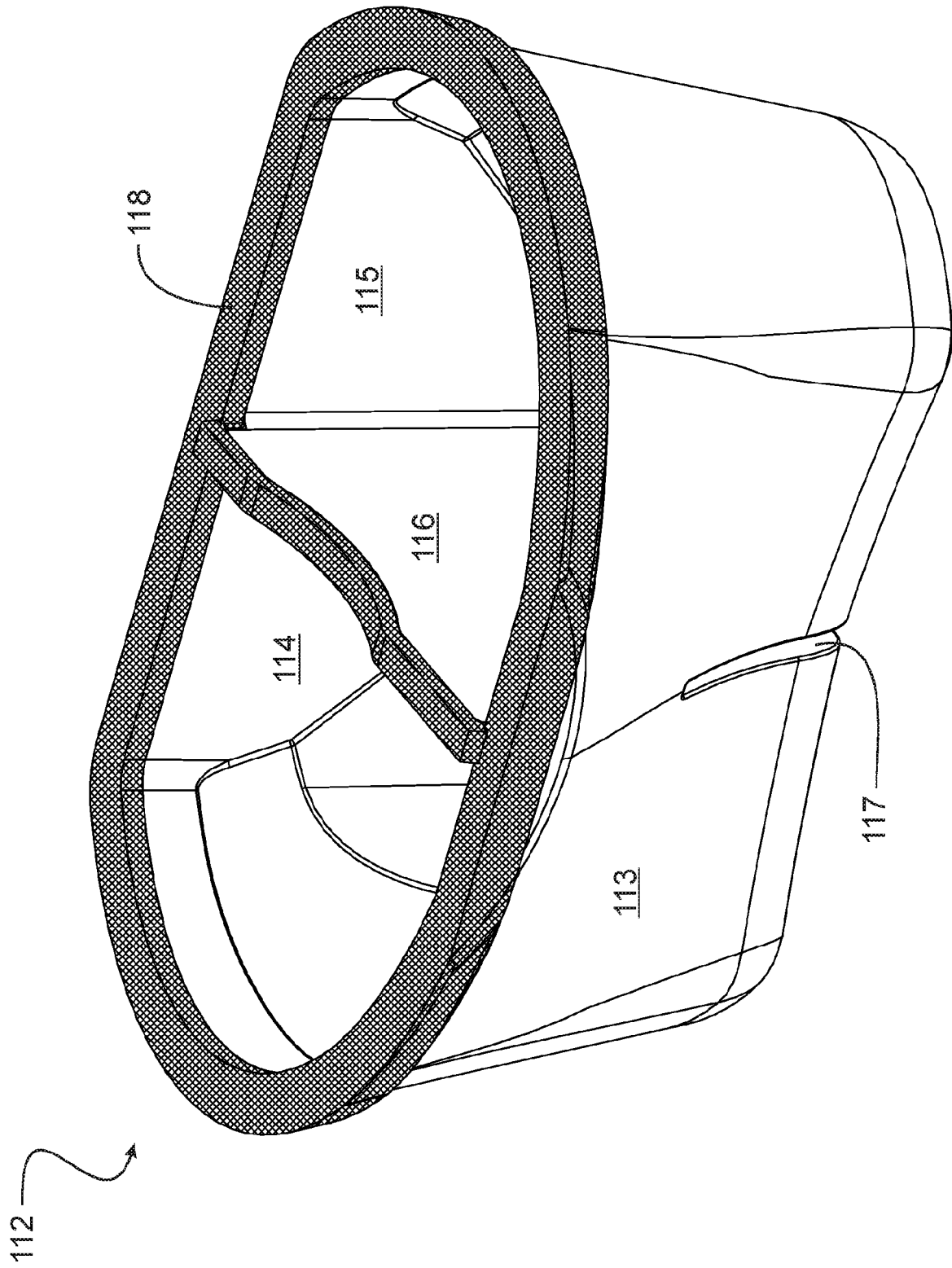


FIG. 3C

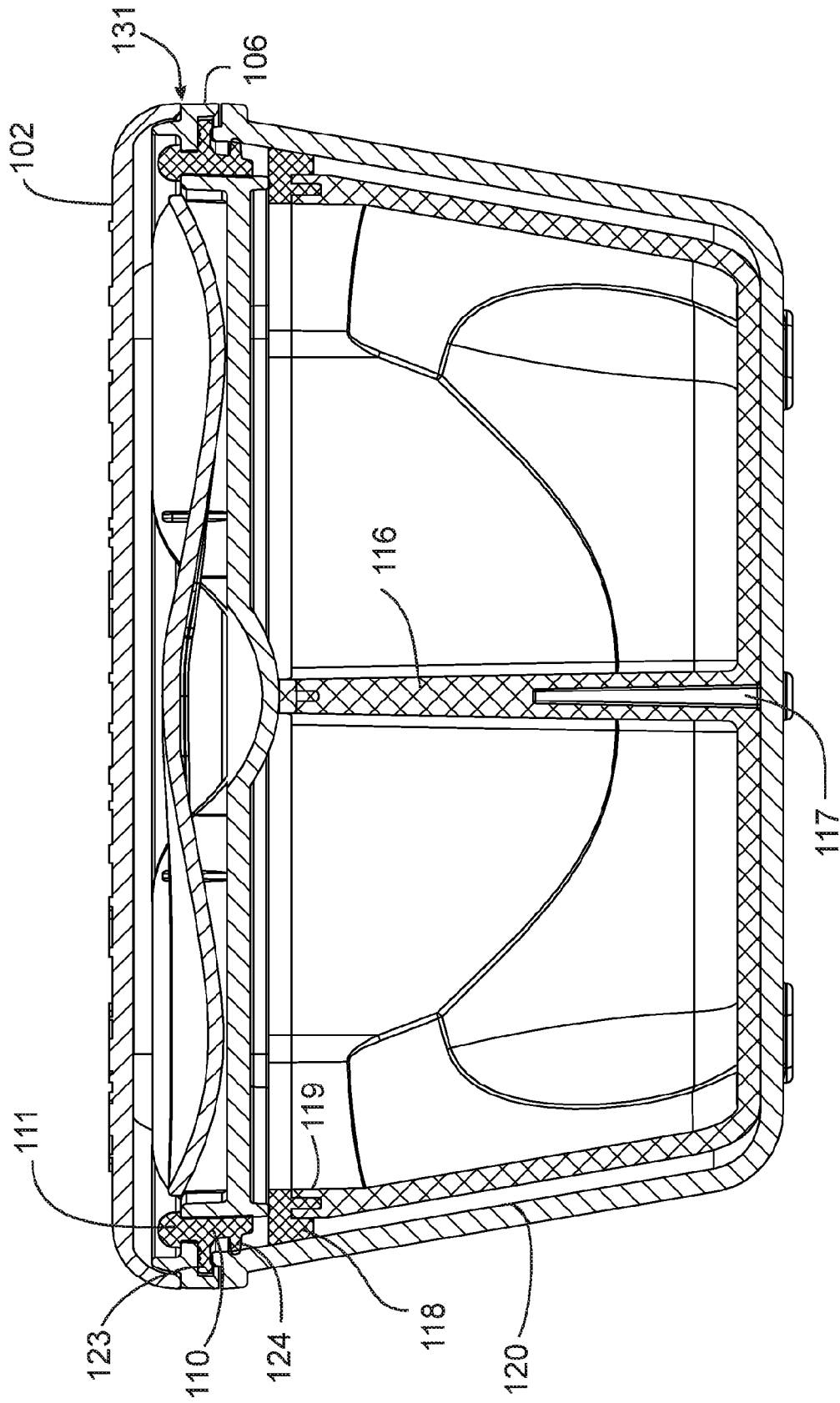


FIG. 4A

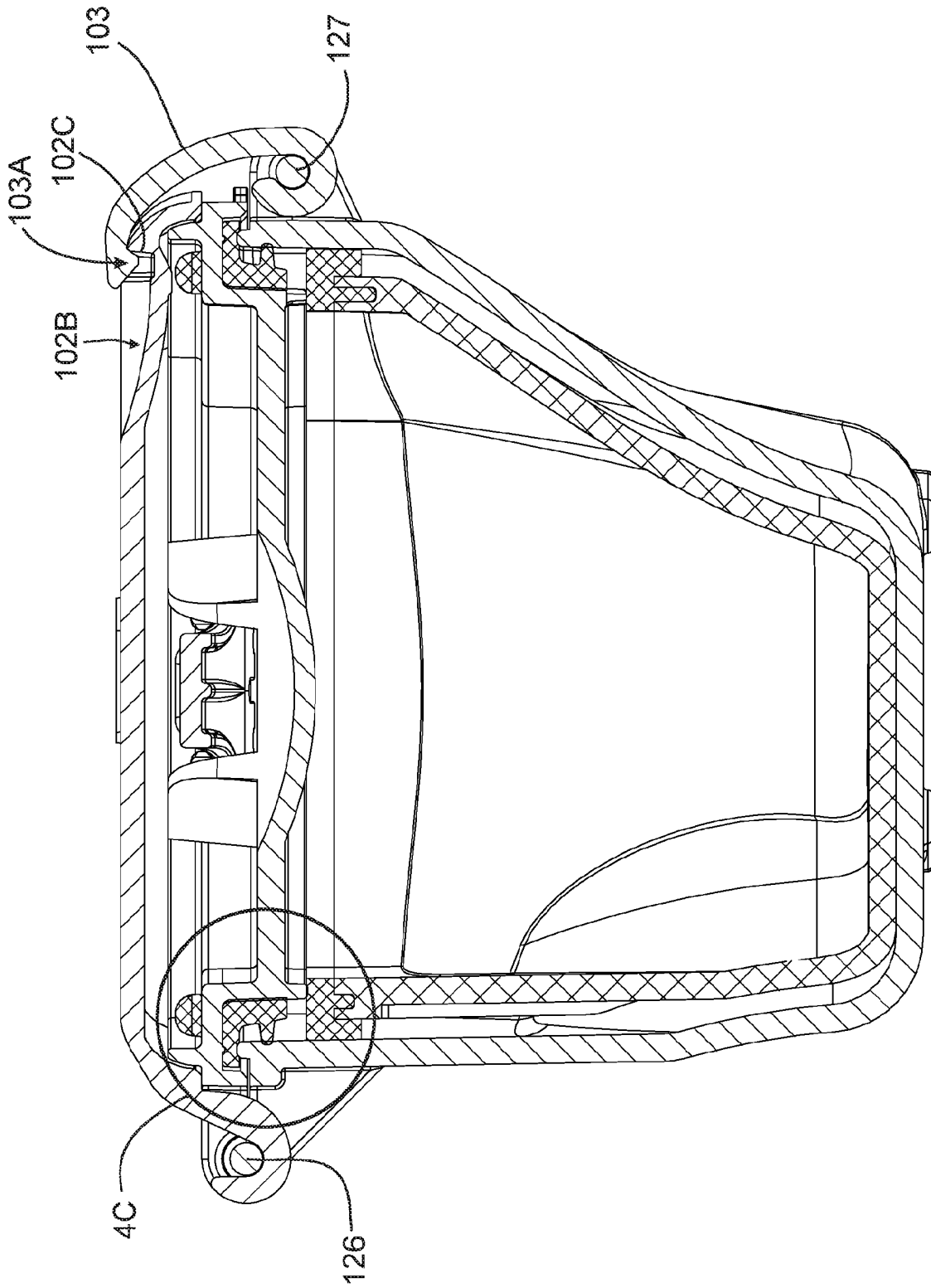


FIG. 4B

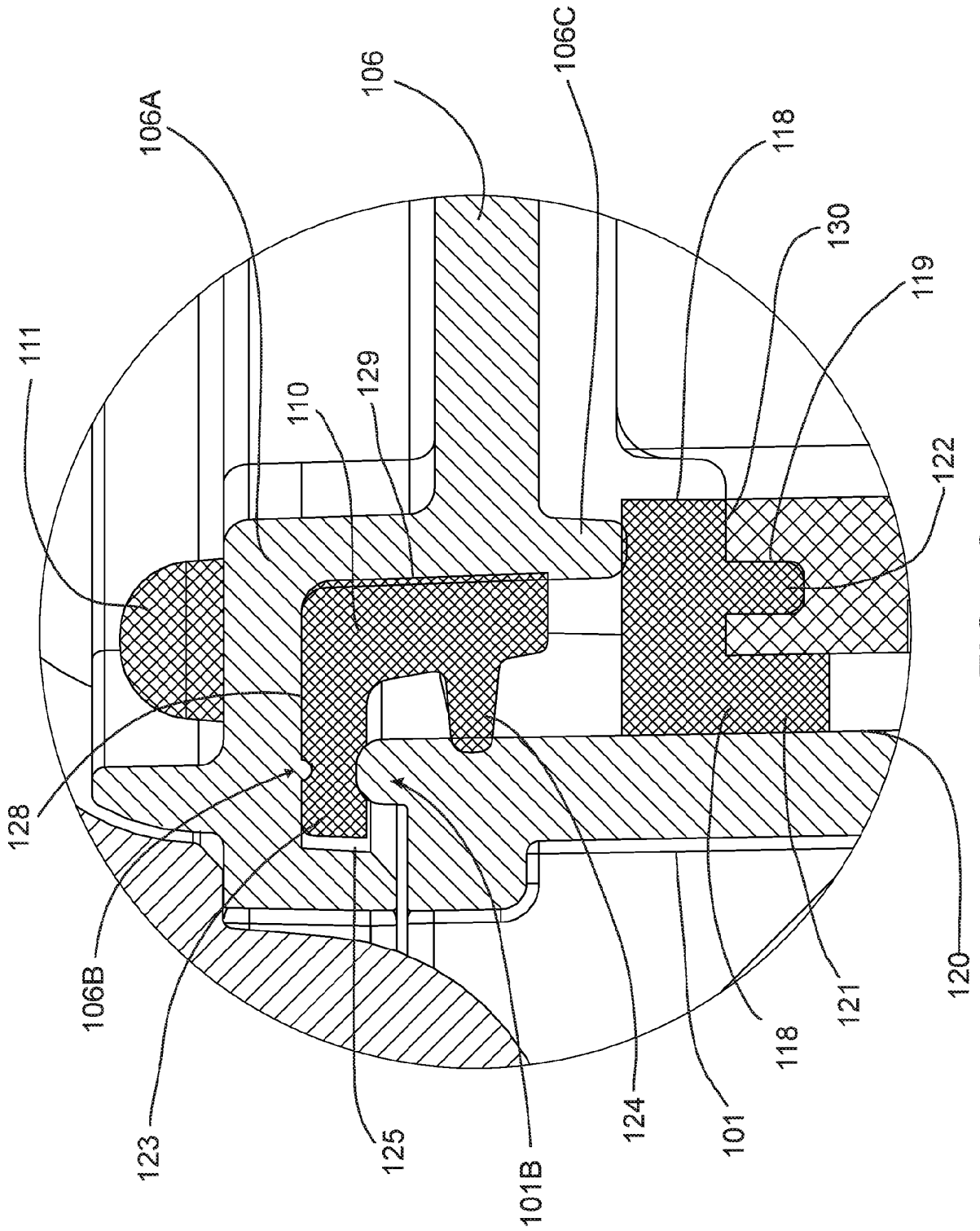


FIG. 4C

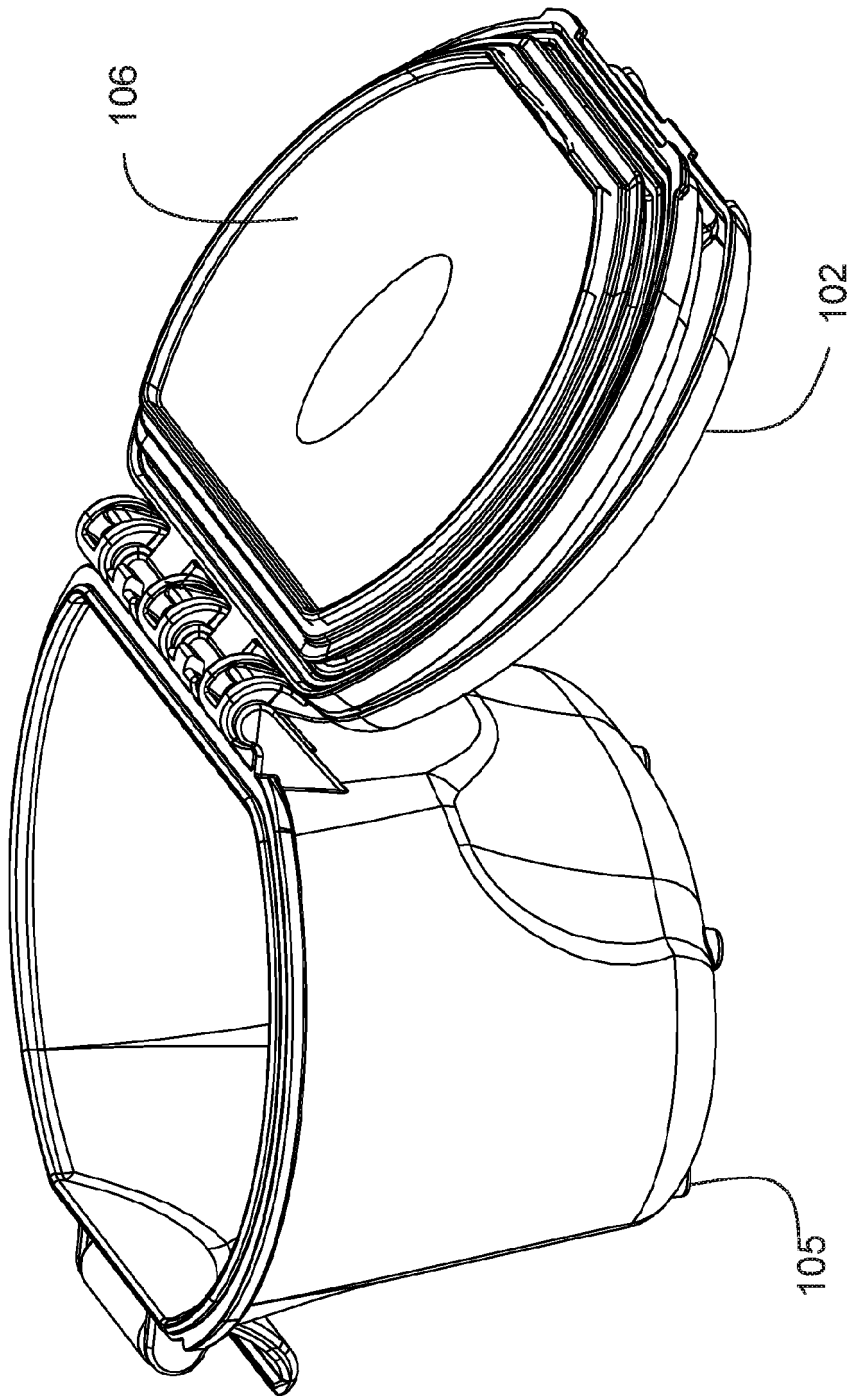


FIG. 5

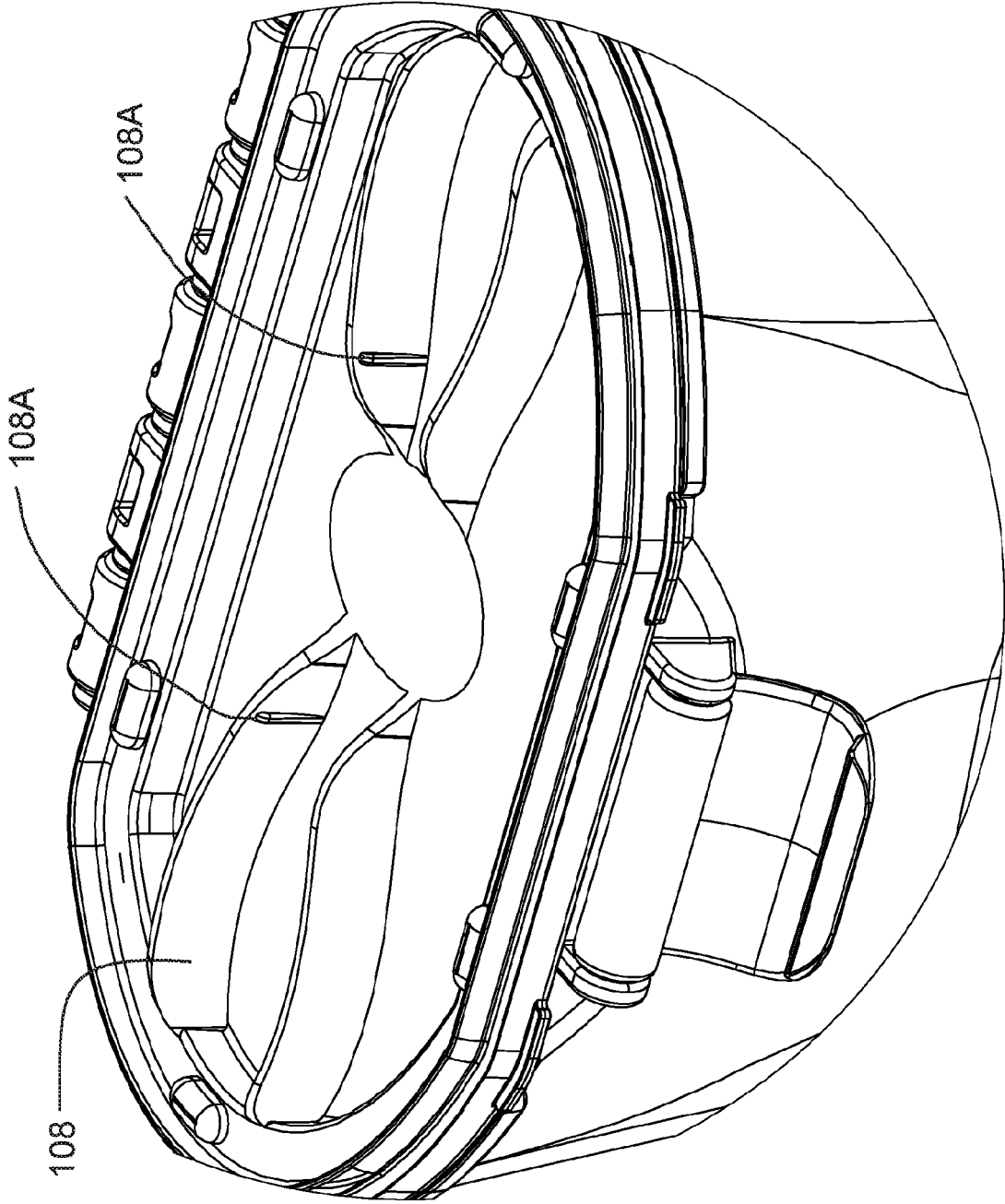


FIG. 6

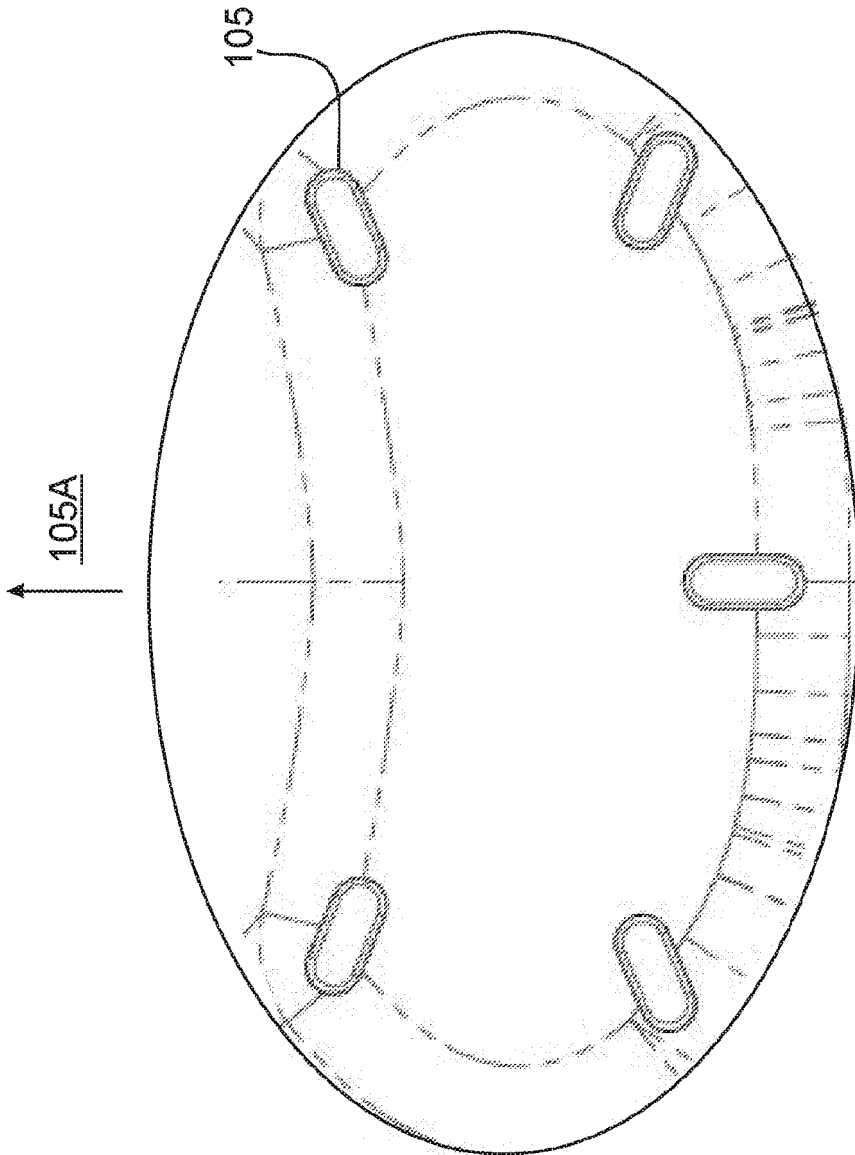


FIG. 7

**REFERENCES CITED IN THE DESCRIPTION**

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**Patent documents cited in the description**

- FR 2827579 [0003]