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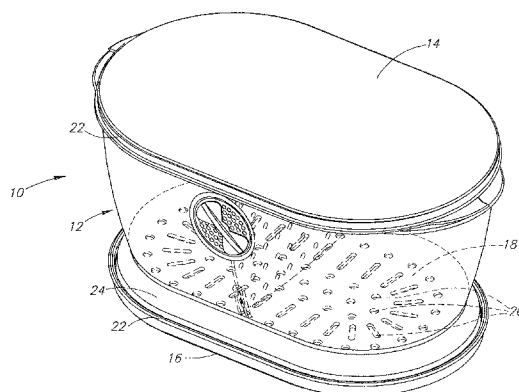
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(57) Abstract: A fresh produce keeper includes a vessel having a floor and upwardly extending sidewalls. Holes in the floor allow the vessel to be used as a colander or strainer to rinse produce, while a lid fits over the floor to retain water within the vessel, thereby allowing the same vessel to be used for both rinsing and service or storage. An internal divider and air vent is also provided in some examples of the invention.

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PRODUCE KEEPER

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PRIORITY CLAIM

[0001] This application claims priority to provisional patent application 60/824,230 filed on August 31, 2006, the text of which is incorporated by reference.

FIELD OF THE INVENTION

[0002] This invention relates generally to containers for storing produce.

BACKGROUND OF THE INVENTION

[0003] Fresh produce requires particular attention in order to preserve its freshness as long as possible. Airflow and moisture are especially important. While a fruit or vegetable is whole prior to peeling, chopping, or the like, it is easily stored in a produce drawer of a refrigerator. After the produce has been peeled or cut it generally must be stored in a container. The typical container is sealed and does not provide the proper moisture and airflow needed to maintain the freshness of the produce.

[0004] Produce must also generally be washed in order to remove soil and pesticide residues. Often a person will eat only a small amount of produce at a time. It is inconvenient to wash a small amount every time one wants to eat fresh produce. However, one cannot simply wash produce and return it to the produce drawer of a

refrigerator where it will get other produce wet and pick up soil and pesticide residue from other produce. Washed produce also cannot be placed in a sealed container where the water remaining in direct contact with the produce will not be allowed to evaporate and thereby promote mold and bacteria growth.

[0005] Although produce is healthy, the processing and storage requirements make it less convenient for snacking than much less healthy processed foods. It would therefore be an advancement in the art to provide a convenient system for storing washed or cut produce for ready access while still controlling moisture and air flow.

BRIEF DESCRIPTION OF THE DRAWINGS

[0006] Preferred and alternative embodiments of the present invention are described in detail below with reference to the following drawings:

[0007] FIGURE 1 is a perspective view of a produce storage container in accordance with an embodiment of the present invention;

[0008] FIGURE 2 is a side elevation view of the produce storage container in accordance with an embodiment of the present invention;

[0009] FIGURE 3 is an exploded view of the produce storage container in accordance with an embodiment of the present invention;

[0010] FIGURE 4 is a perspective view of a lid for use with the produce storage container in accordance with an embodiment of the present invention; and

[0011] FIGURE 5 is a partial perspective view of a vent and cover in accordance with an embodiment of the present invention.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

[0012] Referring to FIGURE 1, a container 10 according to one embodiment of the invention includes a vessel 12 sized to store a quantity of produce, an upper lid 14 and a lower lid 16. The vessel 12 is preferably transparent to permit viewing of its contents, but need not be transparent within the scope of the invention. A floor 18 of the vessel 12 has one or more passages 20 such as slots or holes formed therein to permit fluid to pass

through the floor 18. The lower lid 16 is securable under the floor 18 to retain fluid passing through the passages 20.

[0013] In use, produce is placed in the vessel 12 without the upper and lower lid 14, 16 in place. In this form, the vessel acts as a colander or strainer for the produce. The produce is then rinsed with the rinsing water passing through the passages 20 and out of the vessel. If the produce is to be stored, preferably both the upper and lower lids are placed on the vessel 12. Alternatively, only the lower lid 14 is replaced to prevent leakage of remnants of the rinse water when the container 10 is placed on a countertop, table, or in the refrigerator.

[0014] The lower and upper lid secure to the vessel 12 by means of a friction fit. For example, the upper and lower lids 14, 16 may each have a rim 22 sized to elastically deform when fitted over the top and bottom, respectively, of the vessel 12 such that the restoring force maintains the lids 14, 16 secured to the vessel 12 and creates a substantial seal between the lids 14, 18 and the vessel 12. One or both of the lids may also employ flange-and-groove, snap-fit, suction, or other mechanisms for securing the lid in a water-tight manner.

[0015] The vessel 12 may include a base 24 interposed between the floor 18 and the lower lid 18. The base 24 may serve to define a volume between the floor 18 and the lower lid 16 into which water or other fluid may drain through the passages 20 when the lower lid 16 is in place, rather than remaining in contact with produce stored within the vessel 12. In the illustrated embodiment, the base 24 is a lip extending downwardly and outwardly from the floor 18. The lid 16 secures to the base 24 and forms a substantial seal with the base 24.

[0016] Referring to FIGURES 2 and 3, a divider 26 may be placed within the vessel 12 to create separate compartments such that different types of produce may be stored separately. The divider 26 may include a number of holes or passages 28 to enable air flow between the compartments. The vessel 12 includes one or more channels or receptacles 30 within the wall of the vessel that are sized to receive the divider 26 and

maintain the divider 26 in an upright orientation. In the illustrated embodiment, the receptacles 30 are embodied as slots or grooves engaging the edges of the divider 26. The divider 26 may include ears 32 engaging the walls of the vessel 12. The ears 32 and engagement of the divider 26 with the receptacles 30 may serve to stably hold the divider 26 in place.

[0017] Referring to FIGURE 4, in one embodiment, the upper lid 14, lower lid 16, or both, includes one or more posts 34 sized and positioned to insert within one or more mating holes 28 on the divider 26. When the divider 26 is not needed the divider 26 can be positioned over the posts 34 such that the divider 26 will be held in place adjacent the lid and readily available when needed. The posts 34 may include a detent mechanism, such as a slight enlargement or lip near the distal end in order to resist removal of the divider 26 from the lid 14.

[0018] Referring to FIGURE 5, a vent 36 may be formed in the vessel 12 to permit airflow. A cover 38 may secure to the vessel 12 in order to completely or partially cover the vent 36. In the illustrated embodiment, the vent 36 includes two perforated areas 40 formed within a sidewall of the vessel and shaped as two segments of a circle; as shown, each perforated segment is approximately a quarter of the circle. An aperture 42 is provided at the center of the circle. A vent cover 38 is formed as two flanges 44 corresponding in size and position to the perforated areas 40. The vent cover 38 secures within the aperture 42, for example using a post 46 engaging the aperture 42 by means of a press fit or snap-on connection. When the cover 38 is positioned within the aperture 42, the flanges 44 are rotatable to selectively cover, uncover, or partially cover the perforated areas 40. The perforated areas may be located on either side of the location of the divider 26 such that both compartments of the vessel 12 are ventilated. Alternatively, a separate vent 36 and cover 38 may be provided for each compartment.

[0019] While the preferred embodiment of the invention has been illustrated and described, as noted above, many changes can be made without departing from the spirit

and scope of the invention. Accordingly, the scope of the invention is not limited by the disclosure of the preferred embodiment.

CLAIMS

I claim:

1. A food storage device, comprising:
 - a vessel having a floor, a sidewall extending upwardly from the floor, the sidewall forming an interior space and terminating at an upper rim, the floor having a plurality of holes formed therein to allow the passage of water through the floor; and
 - a lower lid removably secured to the vessel, the lower lid forming a water-tight seal to retain the water passing through the plurality of holes.
2. The food storage device of claim 1, further comprising an upper lid, the upper lid removably secured to the upper rim of the vessel to form an airtight seal.
3. The food storage device of claim 2, further comprising a base extending away from the sidewall and the floor, the lower lid being removably secured to the base to form a volume defined by the lower lid, the base, and the floor, whereby the water passing through the plurality of holes is retained within the volume.
4. The food storage device of claim 3, further comprising a central divider positioned within the interior space, the central divider separating the interior space into two separated spaces.
5. The food storage device of claim 4, wherein the central divider further comprises a plurality of through-holes formed therein.
6. The food storage device of claim 4, wherein the central divider is removable.
7. The food storage device of claim 6, wherein at least one of the upper lid or the lower lid further comprises a means for removably retaining the central divider.

8. The food storage device of claim 6, wherein the upper lid further comprises at least one post, the at least one post being sized and positioned to be received by at least one of the plurality of through-holes formed on the central divider to retain the central divider adjacent the upper lid in a nested position for storage.
9. The food storage device of claim 3, further comprising a vent formed in the sidewall, the vent allowing the passage of air into and out of the interior space.
10. The food storage device of claim 9, further comprising a vent cover, the vent cover being positioned to selectively cover the vent to prevent the passage of air into and out of the interior space.
11. The food storage device of claim 3, wherein the sidewall is devoid of holes.
12. A food storage device, comprising:
 - a vessel having a floor, a sidewall extending upwardly from the floor, the sidewall forming an interior space and terminating at an upper rim, the floor having a at least one hole formed therein to allow the passage of water through the floor; and
 - a base extending away from the floor and the sidewall, the base terminating in a lower lid forming a chamber defined by the floor, the base, and the lower lid in order to retain the water passing through the floor within the chamber.
13. The food storage device of claim 12, further comprising an upper lid, the upper lid removably secured to the upper rim of the vessel to form an airtight seal.
14. The food storage device of claim 12, wherein the lower lid is removably secured to the base.

15. The food storage device of claim 12, further comprising a divider within the interior space, the divider separating the interior space into two separate spaces.
16. The food storage device of claim 15, further comprising a pair of slots formed on opposing interior surfaces of the sidewall, the pair of slots receiving the divider to retain the divider in position within the interior space.
17. The food storage device of claim 15, further comprising a vent selectively configurable to allow air to flow from outside the vessel into the interior space, the vent having a first passage formed within the sidewall for allowing air to flow into a first one of the two separate spaces and a second passage formed within the sidewall for allowing air to flow into a second one of the two separate spaces.
18. The food storage device of claim 17, further comprising a vent cover, the vent cover configured to selectively cover and uncover the first passage and the second passage.
19. The food storage device of claim 12, further comprising a vent selectively configurable to allow air to flow from outside the vessel into the interior space.
20. The food storage device of claim 12, wherein the sidewall is devoid of holes.

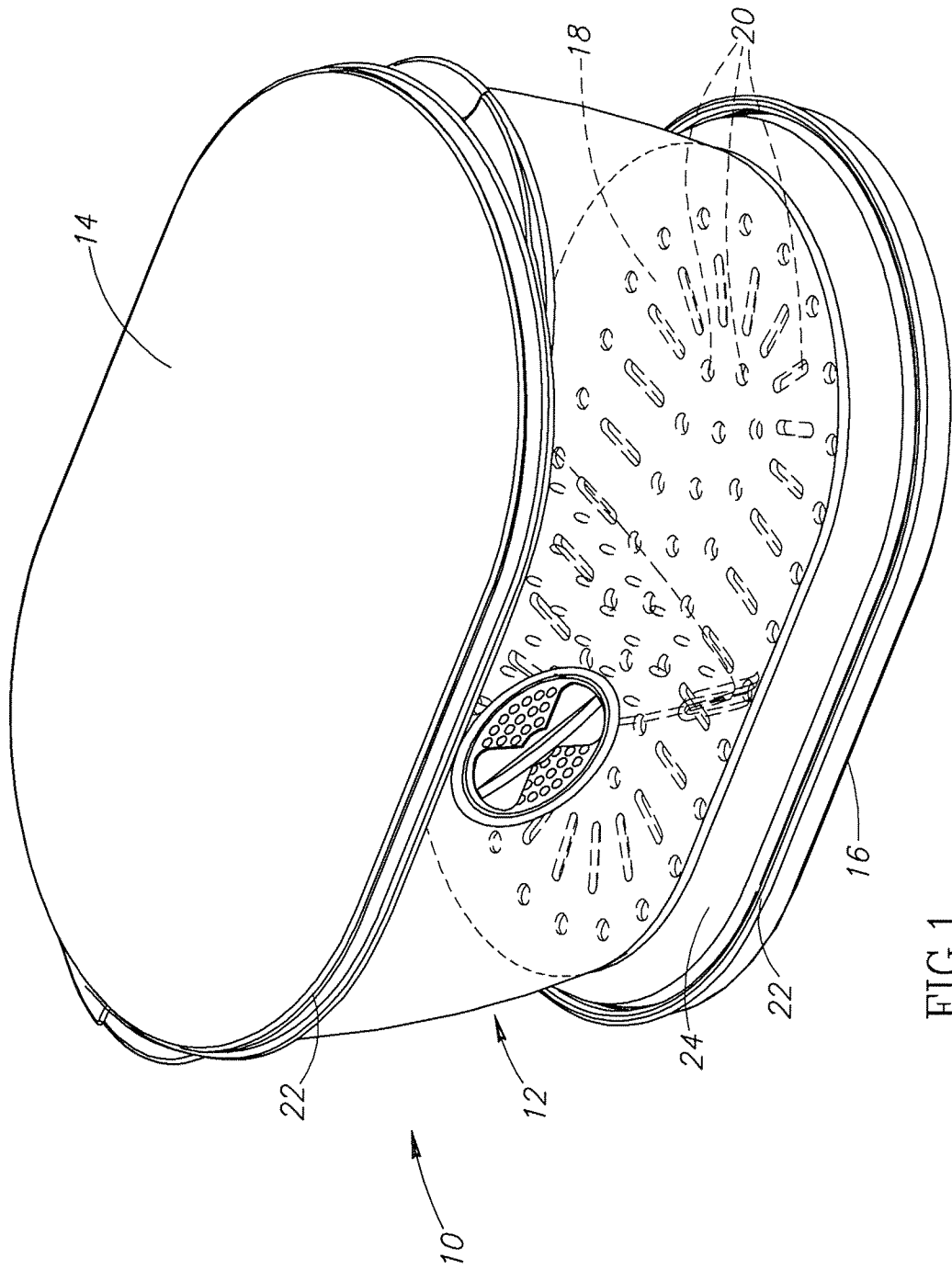


FIG.1

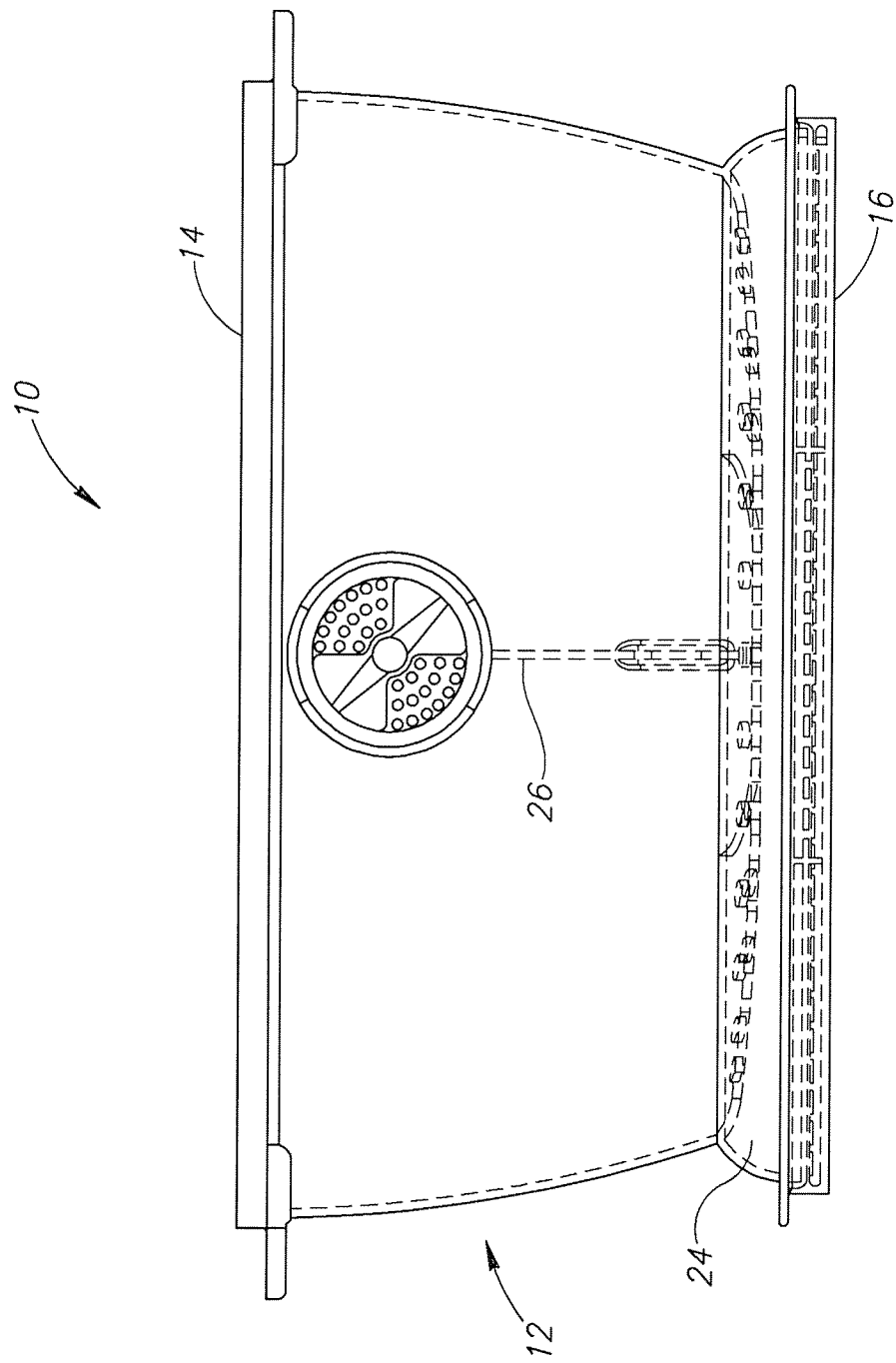


FIG.2

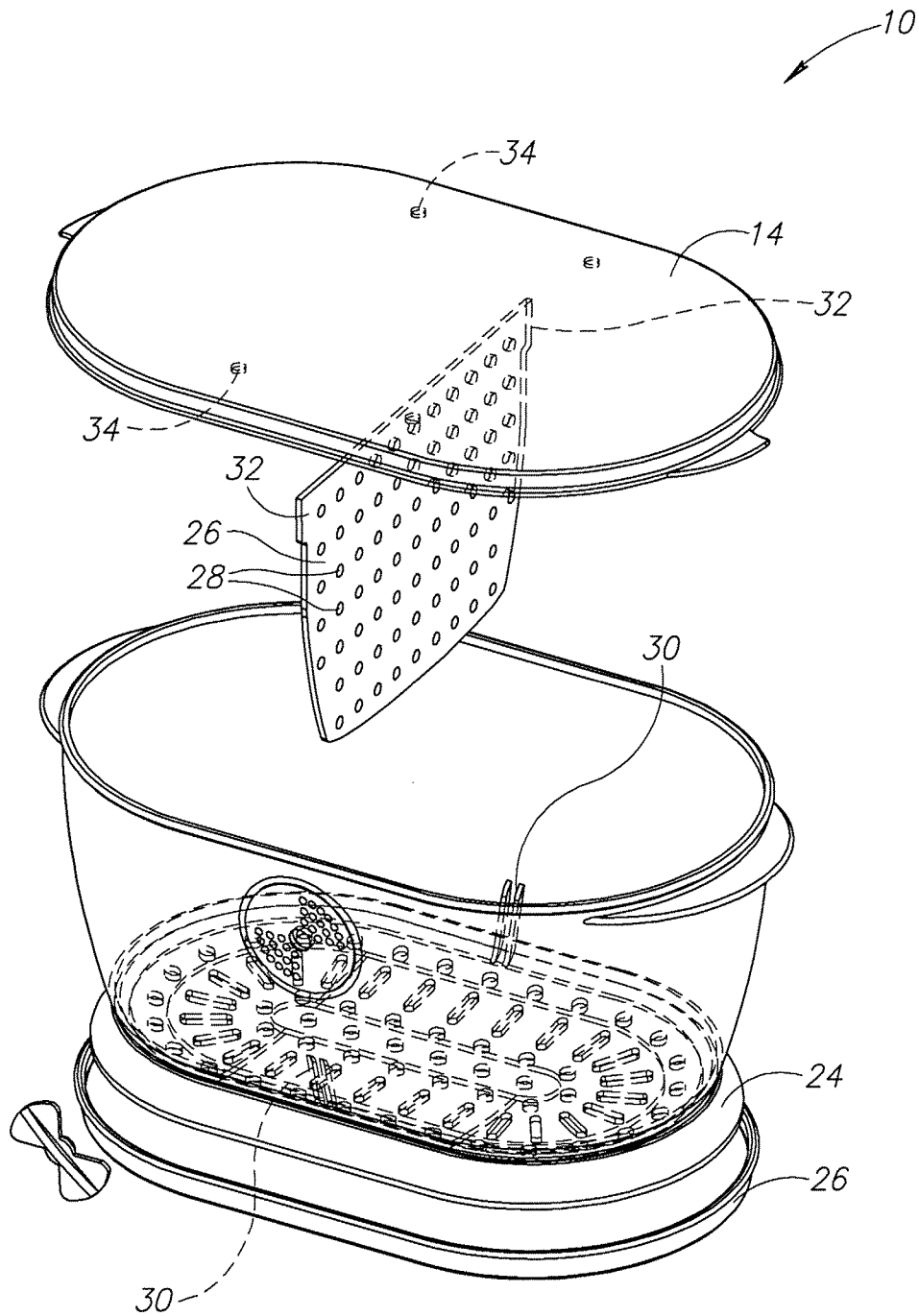


FIG. 3

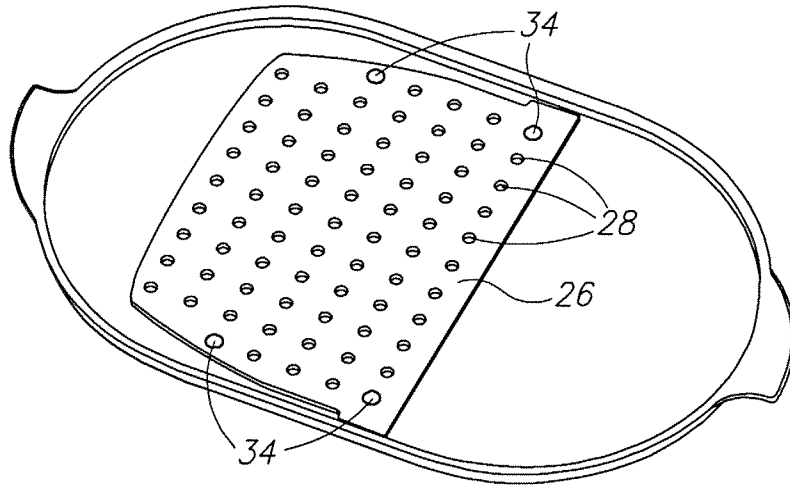


FIG. 4

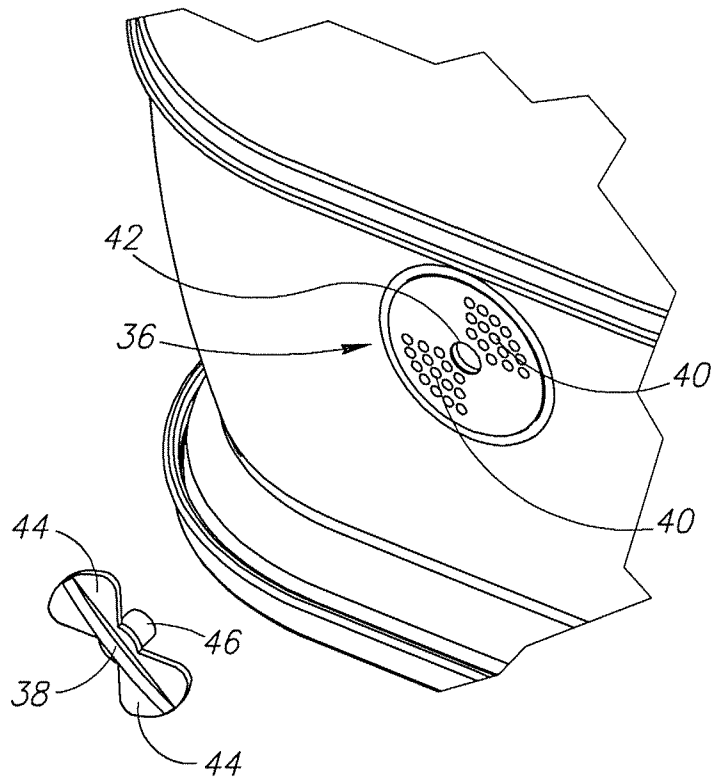


FIG. 5