

Bi-Container Bottle With Button For Mixing Drinks

BACKGROUND OF THE INVENTION

Field of the Invention

[0001] The present invention relates to a bi-compartment bottle with a button that allows mixing of two liquids.

Description of Related Art Including Information Disclosed Under 37 CFR 1.97 and 37 CFR 1.98

[0002] A bi-compartment bottle with button for mixing drinks of the present invention is a cylindrical drinking container that consists of two separate internal compartments, whereby the outflow of liquid on one of the compartments is controlled by a button. The bi-compartment bottle of the present invention...

[0003] US Patent D,852,000 issued 23 January 2017, by Zou for segmented container discloses The ornamental design for a segmented container, as shown and described

[0004] US Patent Publication D851,996 published 10 May 2017, by Umholtz for water bottle discloses The ornamental design for a water bottle, as shown, and described.

[0005] US Patent 10433632 issued 31 August 2017, by Resic for shaker bottle comprising a container for storing a powder supplement discloses A shaker bottle having a vessel for retaining a liquid volume, a lid for closing said vessel, a container for storing a powder supplement, and an accessory compartment for storing valuables. The container is releasably arranged to a lower surface of the lid. The vessel is foldable for providing a folded state of the shaker bottle during transportation. The container is received by the bottom of the vessel in the folded state, and thus the release of the container is locked. In an unfolded state the container is released for supply of the powder supplement to the liquid in the vessel, while the container is serving as a stirring device. A method for use of the

shaker bottle is provided for securing a safe storing of powder supplements during transportation and for improving the functionality of a shaker bottle for every user with an active lifestyle.

[0006] US Patent 10406548 issued 7 January 2016, by Fujiwara and Iizuka for trigger type liquid dispenser discloses A trigger-type liquid dispenser, in which an upright and inverted dual unit includes a joint member, a pipe holding member, and a valve body. The joint member includes a through hole, which may be closed by the valve body, a valve-body-holding wall portion, which accommodates the valve body above the through hole in a manner such that the valve body is displaceable upward and downward, and an opening portion, which is formed in the valve-body-holding wall portion. In the inverted position, the upright and inverted dual unit permits content liquid contained in a container to be supplied to the dispenser main body by passing content liquid through a flow path from opening portion, through the hole, to the flow path defined between the joint member and pipe holding member sequentially. The valve body is inserted through the opening portion to be accommodated in the valve-body-holding wall portion.

[0007] US Patent 20160257551 issued 2 March 2016, by Cohen for dosing system discloses a dosing system including a dispensing tube to dispense a viscous liquid from a holding container to an output container, the tube includes an upper and a lower valve and a peristaltic pump to push against the dispensing tube and to cause the viscous liquid to open the lower valve.

[0008]The previous inventions are related to the actual design and use of a water bottle. One of the previous inventions has a separate container, however it is meant for holding protein powder to carry to the gym. The prior inventions also

have methods of dispensing liquid that is not part of the actual bottle, but rather separate. The prior inventions also are designed for shape instead of functionality. There is no patent or design that allows the mixing of two liquids within the same cup.

[0009] The present invention solves the ease of mixing two desired liquids with a press of a button. The bottle allows the user to pick two liquids for their desired mixing. It also may be used to have two separate drinks and not having to mix them. The present invention also adds a characteristic of creating and trying new drinks for the user as no other invention provides this. The present invention also is unique in the fact that it is user controlled for the amount of liquids to be mixed, rather than all at once.

BRIEF SUMMARY OF THE INVENTION

[0010] The key aspects of the invention include a bottle with multiple compartments for holding and mixing liquids. The first being the top container, wherein the container is meant to hold one liquid. The other being on bottom, attached by a screwing mechanism, containing a separate liquid. There is a channel from the bottom container to the top wherein the bottom liquid can travel. Included is a button located on the outside of the bottle that when pressed, it allows flow of the bottom liquid. Top and bottom containers may be made from plastic, stainless steel, aluminum, other durable material. The top and bottom

container may be attached by a female and male screwing mechanism, or a latching mechanism keeping the containers together.

BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING(S)

[0011] FIG. 1 is a sectional side view of the present invention

[0012] FIG. 2 is a top view of the present invention

[0013] FIG. 3 is a side view of the male part of the cup

List of Reference Numerals

- [0014] 2** Oval shaped hole opening for liquid(s)
- [0015] 4** Split hole opening releasing liquid 1
- [0016] 6** Split hole opening releasing liquid 2
- [0017] 8** Spring release holding back liquid 2
- [0018] 10** Chamber for liquid 1

- [0019]** 12 Chamber for liquid 2
- [0020]** 14 Button that pushed plastic piece
- [0021]** 16 Button Chamber
- [0022]** 18 Bar-shaped plastic piece that pushes spring
- [0023]** 20 Divider separating 2 chambers
- [0024]** 22 Male screw piece connecting female and male cup parts
- [0025]** 24 Oval shape indicating base of cup
- [0026]** 26 Outline of cup
- [0027]** 28 Cup lid

- [0028]** 30 Male part of cup connector
- [0029]** 32 Spring chamber

DETAILED DESCRIPTION OF THE INVENTION

[0030] A bi-compartment bottle (26) with a button (14,16) that allows mixing two liquids simultaneously at the press of a button. It allows the user to easily and completely control the mixture by using a spring system (8) to manipulate the placement of a bar (18) including a hole to allow for the release liquid 2 (6) found on the lid (28). If the button is not activated, liquid 1 will still be released from a separate hole (4). Both holes distribute the liquid to a final oval shaped hole for consumption (2). This new design allows for maximum satisfaction when drinking more than one beverage together; especially alcoholic beverages.

[0031] The bi-compartment bottle has a bottom portion which includes a compartment for liquid 2 (12) as well as a divider (20) separating the compartment for liquid 1 (10), all lying just above the base of the cup (24). Also included is a screw on and off part where it holds one of your drinking beverage choices. The screw includes a male screw piece (30) that connects with female screw parts (22). At the press of the button, the liquid in the bottom compartment is then released into your mouth along with the liquid in the second compartment when you take a drink. That is, if you want to press the button releasing the first liquid. If not, you only drink from the second compartment.

[0032] Although the present invention has been described with reference to specific embodiments, it is understood that modifications and variations of the present invention are possible without departing from the scope of the invention, which is defined by the claims set forth below. Unless defined otherwise, all technical and scientific terms used herein have the same meaning as commonly understood by one of ordinary skill in the art to which this invention

belongs. Any methods and materials similar or equivalent to those described herein can also be used in the practice or testing of the present invention; however, the preferred methods and materials are now described.

CLAIMS

The invention claimed is:

1. A bottle with multiple compartments for holding and mixing liquids comprising:

- a. A top container wherein the container is meant to hold one liquid; and
- b. A bottom container that can attach to the top container by a screwing mechanism wherein the second liquid is held, and
- c. A channel from the bottom container to the top container wherein the second liquid can travel, and
- d. A button on the outside of the top container wherein the button allows the opening for the bottom container liquid to flow, and
- e. A trap door that is controlled by the button.

2. The bottle as claimed in claim 1, wherein the top and bottom containers may be made from plastic, stainless steel, aluminum, or any other durable material.

3. The bottle as claimed in claim 2, wherein the bottom container attaches by a latching mechanism.

ABSTRACT

The present invention relates to a bottle with multiple compartments for holding and mixing liquids; comprising of a top and bottom container that are attached by a screwing mechanism. The top container contains a channel wherein the liquid from the bottom container can travel to the lid. The top container also has as button that retracts a trap door when pressed allowing the liquid from the bottom container to flow out of the lid when the bottle is tipped.

DRAWINGS

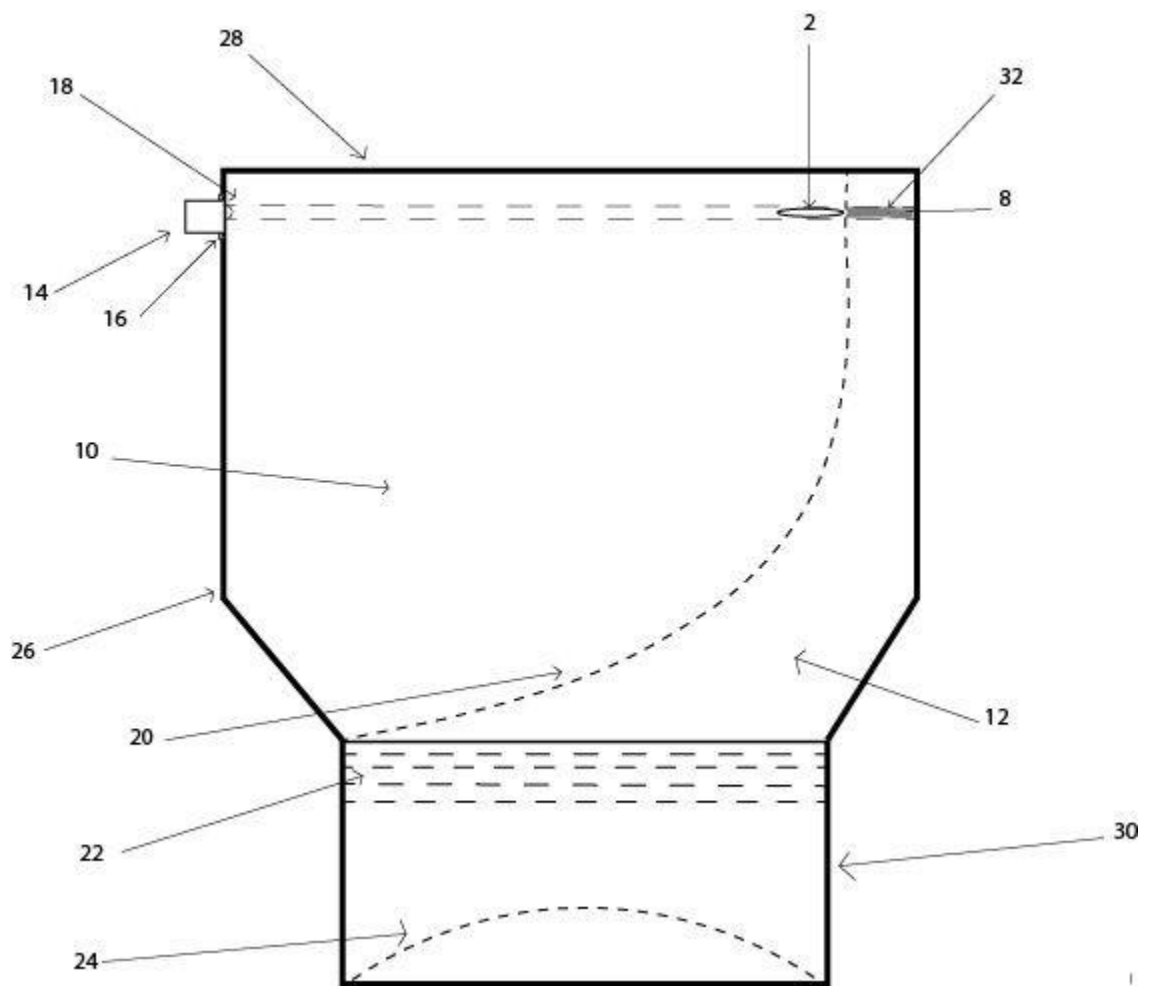


FIG. 1

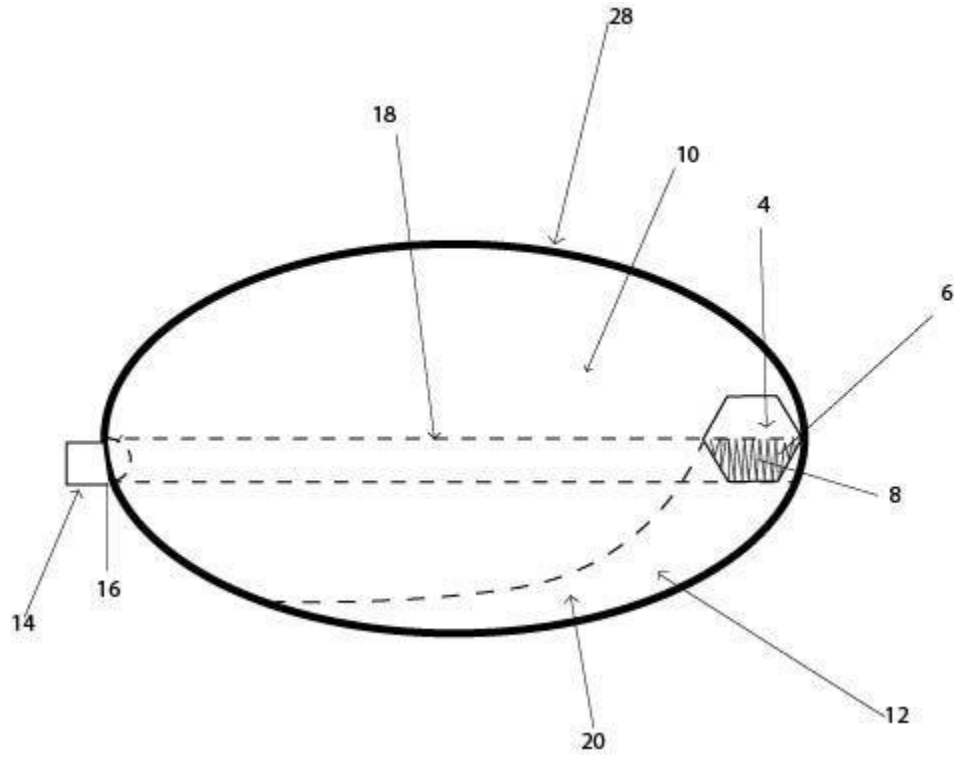


FIG. 2

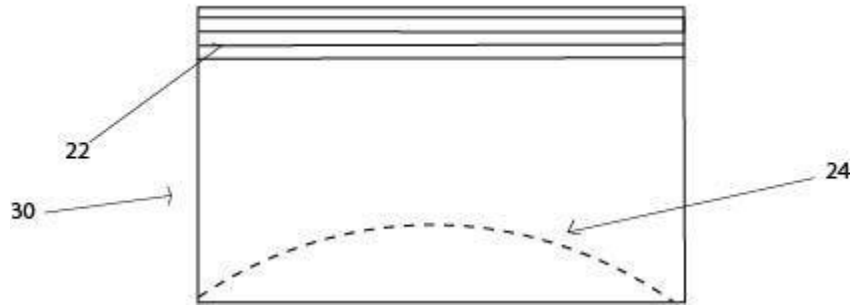


FIG. 3