



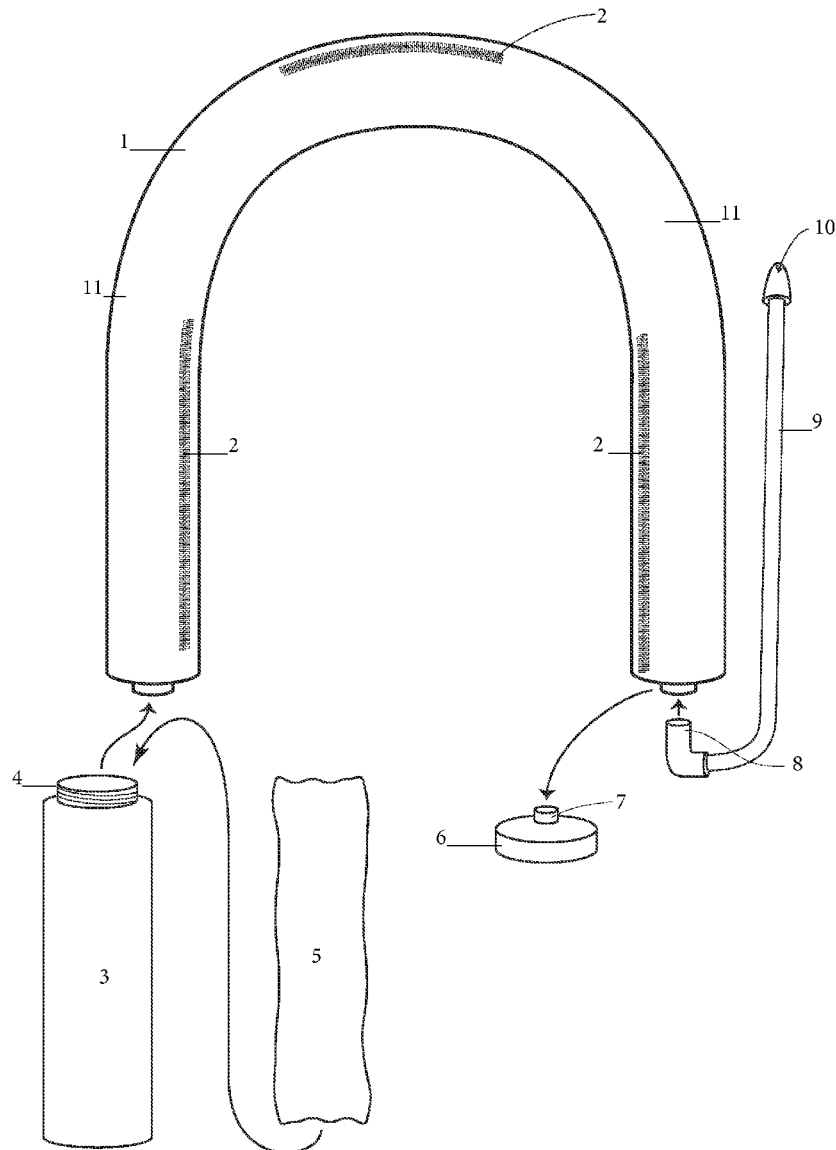
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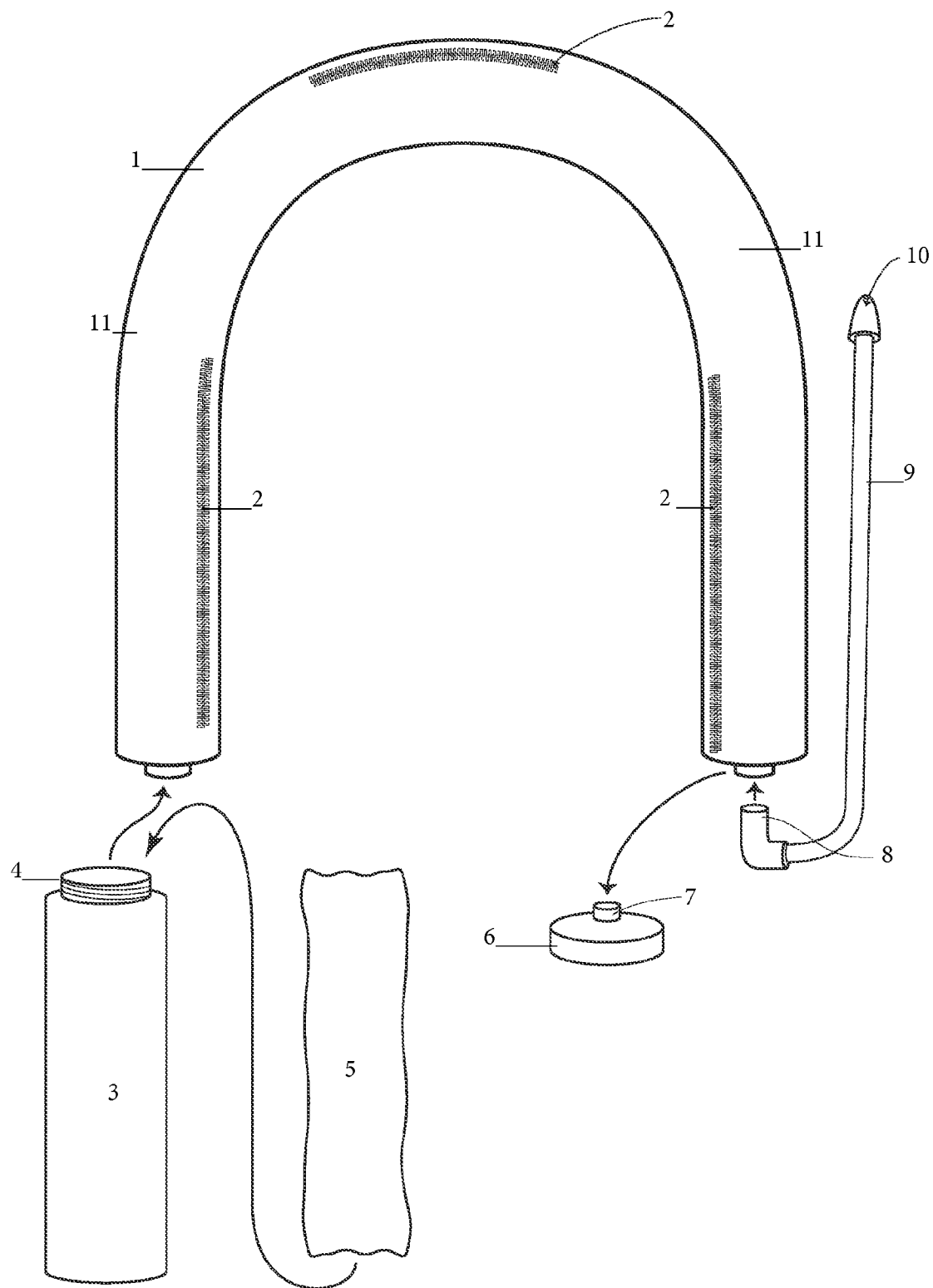
(19) **United States**(12) **Patent Application Publication**
Atkins(10) **Pub. No.: US 2017/0129687 A1**(43) **Pub. Date: May 11, 2017**(54) **COOLSNAKE**(71) Applicant: **Michael Atkins**, Greenwich, CT (US)(72) Inventor: **Michael Atkins**, Greenwich, CT (US)(21) Appl. No.: **14/933,180**(22) Filed: **Nov. 5, 2015****B65D 81/18** (2006.01)**A45F 3/20** (2006.01)**B65D 35/28** (2006.01)(52) **U.S. Cl.**CPC **B65D 81/3876** (2013.01); **A45F 3/20**(2013.01); **B65D 35/10** (2013.01); **B65D****35/28** (2013.01); **B65D 35/44** (2013.01);**B65D 35/56** (2013.01); **B65D 81/18**(2013.01); **B65D 33/25** (2013.01)**Publication Classification**(51) **Int. Cl.****B65D 81/38** (2006.01)**B65D 35/10** (2006.01)**B65D 33/25** (2006.01)**B65D 35/44** (2006.01)**B65D 35/56** (2006.01)

(57)

ABSTRACT

This invention relates to a beverage insulating sleeve that can hold two portable beverage containers, cold or hot packs and personal belongings around back of neck of user facilitating hands free activities. The sleeve is light weight and highly absorbent.





COOLSLAKE**CROSS REFERENCE TO RELATED APPLICATIONS**

[0001] Not applicable

FEDERALLY SPONSORED RESEARCH AND DEVELOPMENT

[0002] Not applicable.

MICROFICHE

[0003] Not applicable

BACKGROUND OF THE INVENTION

[0004] (1) Field of the Invention

[0005] The present invention generally relates to hydration systems, and more particularly, to a cooling or warming sleeve that holds portable beverage containing containers and cold or hot packs, and, allows for hands-free activities.

[0006] (2) Background of the Invention

[0007] Various types of conventional liquid hydration containers, such as Water bottles, canteens and thermoses, have been designed and used for the most part as a delivery system for body re-hydration during exercise or other activities. Similarly, various conventional insulating sleeves are also known in the art for thermally insulating a beverage container to maintain the liquid in the container at a cool temperature. These devices also serve to protect the user's hand from the discomfort of holding extremely cold containers. Typically, the conventional insulating sleeves incorporate one or more layers of insulating material, such as a foam material, that dictate the thermal insulating efficiency of the sleeve. These devices are typically molded or otherwise formed into open-ended cylindrical devices sized for receipt of a beverage container therein. These devices maintain their three-dimensional shape when the container is removed and, thus, require significant space for transport and storage. Some beverage container sleeves are also known that are relatively thin and collapsible. These devices are readily stored and transported, but do not offer the thermal insulating efficiency of the larger, more substantial devices.

[0008] Accordingly, the art is in need of an insulation sleeve for beverage containers that offers the portability and convenience of a thin, collapsible sleeve with the thermal efficiency of a much larger apparatus having substantially more insulation. The present invention relates to just such an apparatus.

[0009] The prior art provide U.S. patent application Ser. No. 10/694,261 to Butler et al introduces a combination of personal hydration and temperature stabilizing/regulating device that allows for hands free activities, U.S. patent application Ser. No. 11/509,791 to Brunner et al, introduces an insulating sleeve for a beverage container that includes a flexible shell member that is collapsible into a flat panel configuration when not in use. U.S. patent application Ser. No. 13/794,379 to Bowen et al, discloses systems and methods for providing apparel and/or accessories that selectively contain a fluid container that can be filled with a drinkable liquid. The apparel item may include any clothing or object that is adapted to be worn by a person, such as a necktie.

[0010] Further, in U.S. Pat. No. 6,722,533 to Skillern, a liquid delivery system comprising a flexible hydration pouch, a hose or line attached thereto including a valve for actuation by a user to access fluid and a coupling member attaching the hose to the pouch, wherein the coupling member includes a shutoff or check valve holding fluid within the pouch when the hose is disconnected.

[0011] Prior art, however, does not address the need for a sleeve that insulates and delivers a beverage stored inside a portable beverage container in a highly nature friendly manner, while still promoting hands-free physical activities. It is desirable to provide an apparatus that addresses these critical objectives.

SUMMARY OF THE INVENTION

[0012] In the view of the foregoing disadvantages inherent in the known types of hydration systems now present in the prior art, the present invention provides an insulating sleeve. As such, the general purpose of the present invention, which will be described subsequently in greater detail, is to provide an insulating sleeve which is not anticipated, rendered obvious, suggested, or even implied by prior art, either alone or in combination thereof and has all the advantages of the prior art and none of the disadvantages.

[0013] An object of the invention is to provide a beverage insulating sleeve that can hold two portable beverage containers and personal belongings around back of neck of user.

[0014] It is another object of the present invention to provide a cooling or warming sleeve that can also hold cold or hot packs for regulating body temperature of a user.

[0015] It is another object of the present invention to provide a beverage insulating sleeve made from soft, washable and printable material.

[0016] It is another object of the present invention to provide a sleeve that is light weight and highly absorbent.

[0017] It is another object of the present invention to provide neoprene beverage containers that have ability to be utilized as hand squeeze sports bottle.

[0018] It is another object of the present invention to provide biodegradable bag that eliminates any bacteria growth that may occur in neoprene beverage container.

[0019] It is another object of the present invention to provide biodegradable bag that may biodegrade in compost situations in 40-60 days.

[0020] It is another object of the present invention to provide cap for covering and sealing the mouth of neoprene beverage container.

[0021] It is another object of the present invention to provide a hose assembly to make available beverage to user that is stored in beverage container.

[0022] In this respect, before explaining at least one embodiment of the invention in detail, it is to be understood that the invention is not limited in its application to the details of construction and to the arrangements of the components set forth in the following description or illustrated in the drawings. The invention is capable of other embodiments and of being practiced and carried out in various ways. Also, it is to be understood that the phraseology and terminology employed herein are for the purpose of description and should not be regarded as limiting.

[0023] These together with other objects of the invention, along with the various features of novelty which characterize the invention, are pointed out with particularity in the disclosure. For a better understanding of the invention, its

operating advantages and the specific objects attained by its uses, reference should be had to the accompanying drawings and descriptive matter in which there are illustrated preferred embodiments of the invention.

BRIEF DESCRIPTION OF THE DRAWINGS

[0024] The invention will be better understood and objects other than those set forth above will become apparent when consideration is given to the following detailed description thereof. Such description makes reference to the annexed drawings wherein:

[0025] FIG. 1 shows the perspective view of the present invention.

DETAILED DESCRIPTION OF THE INVENTION

[0026] In the following detailed description, reference is made to specific embodiments in which the invention may be practiced. These embodiments are described in sufficient detail to enable those skilled in the art to practice the invention, and it is to be understood that the embodiments may be combined, or that other embodiments may be utilized and that structural, logical and electrical changes may be made without departing from the spirit and scope of the present invention. The following detailed description is, therefore, not to be taken in a limiting sense, and the scope of the present invention is defined by the appended claims and their equivalents.

[0027] As a preface to the detailed description, it should be noted that, as used in this specification and the appended claims, the singular forms “a”, “an” and “the” include plural referents, unless the context clearly dictates otherwise.

[0028] Referring to FIG. 1, it shows a sleeve 1 that is made from soft/printable material that is light weight and highly absorbent and is designed to be worn around neck of a person. The sleeve is collapsible into a flat panel configuration when not in use. The sleeve has three pockets, which can be closed by using Velcro or zipper 2. The sleeve can hold up to two beverage containers 3 inside pockets near its ends. It also holds cold or hot packs or personal belongings inside a pocket located at the middle portion of the elongated sleeve. The sleeve has main function of insulating beverage in a highly “Green and Biodegradable” disposable bag 5 that is designed to be held inside the collapsible insulation bag holder or container 3 having a threaded collar 4. The disposable bag can be filled by a user at home or supplied in a pre-filled bag. The sleeve also offers unlimited marketing capabilities at eye level.

[0029] One neoprene beverage container 3 can be inserted on one side of the sleeve near each end of the sleeve 1 while using the other side can hold user's personal belongings or items. The neoprene beverage container 3 can be removed from the sleeve and used as a hand squeeze portable sports bottle as well.

[0030] The Biodegradable bag 5 in most compost situations may biodegrade within 40-60 days. This bag eliminates any bacteria growth that would normally occur in a sports bottle and also help to eliminate the plastic water bottle problem that is polluting land and oceans worldwide. A cap 6 is provided to cover and seal the biodegradable bag 5 and threads onto the collar 4 of the neoprene beverage holder 3.

The cap has a female quick release vale 7 that designed to be protruding, which allows quick switching of hose assembly.

[0031] The hose assembly comprises a male quick release 8 which snaps easily onto the cap, thus allowing the user to drink beverage. The male quick release is designed to have 90 degree bend in it and is connected to a bendable hose 9. The beverage coming out of neoprene insulation bag holder 3 goes through the cap 6 into the male quick release, from there into bendable hose. The user is provided access to this beverage by one way bite valve 10. The marketing area 11 is also shown in the FIGURE along the length of elongated sleeve.

[0032] The marketing capabilities are endless and so are applications such as walkers, boaters, hunters, hikers, stadium goers, Nascar fans, Postal/Fed-Ex/UPS, Fisherman, beach goers, factory workers, construction workers, disabled people and basically any walk of life who wants a hands free way to drink and keep cool/warm while being able to carry cell phone or any other personal items.

[0033] It is to be understood that the above description is intended to be illustrative, and not restrictive. For example, the above-discussed embodiments may be used in combination with each other. Many other embodiments will be apparent to those of skill in the art upon reviewing the above description.

[0034] The benefits and advantages which may be provided by the present invention have been described above with regard to specific embodiments. These benefits and advantages, and any elements or limitations that may cause them to occur or to become more pronounced are not to be construed as critical, required, or essential features of any or all of the embodiments.

[0035] While the present invention has been described with reference to particular embodiments, it should be understood that the embodiments are illustrative and that the scope of the invention is not limited to these embodiments. Many variations, modifications, additions and improvements to the embodiments described above are possible. It is contemplated that these variations, modifications, additions and improvements fall within the scope of the invention.

We claim:

1. An apparatus for insulating beverage, comprising:
an elongated sleeve having a first, a second and a third opening means;
at least one neoprene collapsible container;
a biodegradable bag;
a hose assembly; and
a cap.
2. The apparatus for insulating beverage according to claim 1, wherein said elongated sleeve is collapsible into a flat panel configuration when not in use.
3. The apparatus for insulating beverage according to claim 1, wherein said elongated sleeve has a first end and a second end.
4. The apparatus for insulating beverage according to claim 1, wherein said elongated sleeve is worn around back of neck of a user.
5. The apparatus for insulating beverage according to claim 1, wherein each said first, said second and said third opening means is a pocket, that is closed by zipper or like.
6. The apparatus for insulating beverage according to claim 5, wherein the first pocket is near the first end, the

second pocket is near the second end and the third pocket is at middle of the length of the elongated sleeve.

7. The apparatus for insulating beverage according to claim 1, wherein at least one collapsible container has a threaded collar at its one end.

8. The apparatus for insulating beverage according to claim 7, wherein at least one neoprene collapsible container is held in the first pocket.

9. The apparatus for insulating beverage according to claim 7, wherein at least one neoprene collapsible container is held in second pocket of the elongated sleeve.

10. The apparatus for insulating beverage according to claim 7, wherein the third pocket holds a hot or cold pack or like.

11. The apparatus for insulating beverage according to claim 1, wherein at least one neoprene collapsible container is a hand squeeze sports bottle.

12. The apparatus for insulating beverage according to claim 1, wherein at least one neoprene collapsible container also holds a beverage inside.

13. The apparatus for insulating beverage according to claim 1, wherein at least one neoprene collapsible container holds the biodegradable bag inside.

14. The apparatus for insulating beverage according to claim 1, wherein the hose assembly comprises a male quick release, a bendable hose and a one way bite valve.

15. The apparatus for insulating beverage according to claim 1, wherein the cap comprises a protruding female quick release vale at one end and a quick release fitting at the other end.

16. The apparatus for insulating beverage according to claim 15, wherein the male quick release fits over the protruding female quick release vale of the cap.

17. The apparatus for insulating beverage according to claim 16, wherein said protruding female quick release vale facilitates the hose assembly to be released quickly and switched to other side.

18. The apparatus for insulating beverage according to claim 16, wherein the quick release fitting fits over the threaded collar of at least one collapsible container.

19. The apparatus for insulating beverage according to claim 1, wherein the elongated sleeve is made from a washable fabric.

20. The apparatus for insulating beverage according to claim 1, wherein the cap is made of nylon or plastic or like.

21. The apparatus for insulating beverage according to claim 7, wherein the threaded collar is made of nylon or plastic or like.

22. The apparatus for insulating beverage according to claim 1, wherein the biodegradable bag eliminates any bacteria growth inside at least one neoprene collapsible container.

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