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(54) **SOFT-SIDED INSULATED CONTAINER WITH INFLATABLE WALL STRUCTURE**

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See application file for complete search history.

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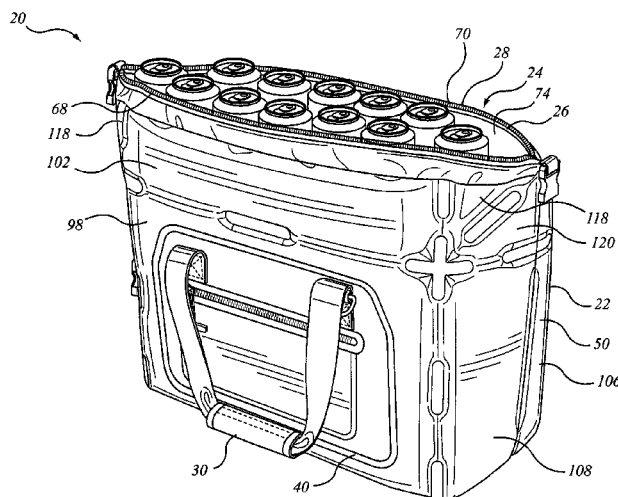
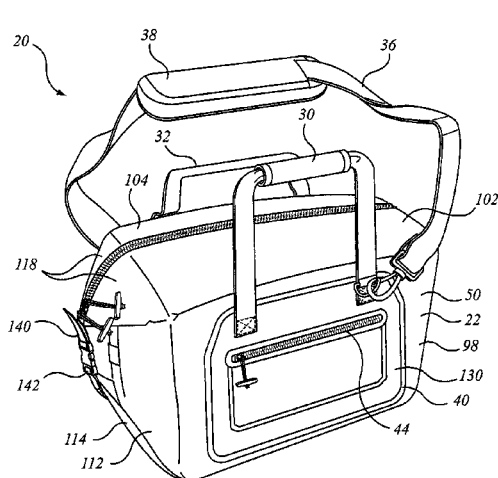
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(57)

ABSTRACT

A soft-sided insulated container assembly is made of a flexible wall structure that is movable between a collapsed position and a deployed position. In one variation of the deployed position it resembles a tote-bag; in another variation of folding the deployed position corresponds to a generally box-like shape. The container includes a self-inflating wall structure that has an inner layer or skin, an outer layer or skin, and a resilient, open-cell insulating layer trapped between the two skins. A valve governs the ability to take in or to expel air. The outer layer may be thicker and more robust than the inner layer, the better to resist abrasion or punctures. The inner layer may be reflective. There may be a removable internal liner. That liner may be transparent.

20 Claims, 6 Drawing Sheets



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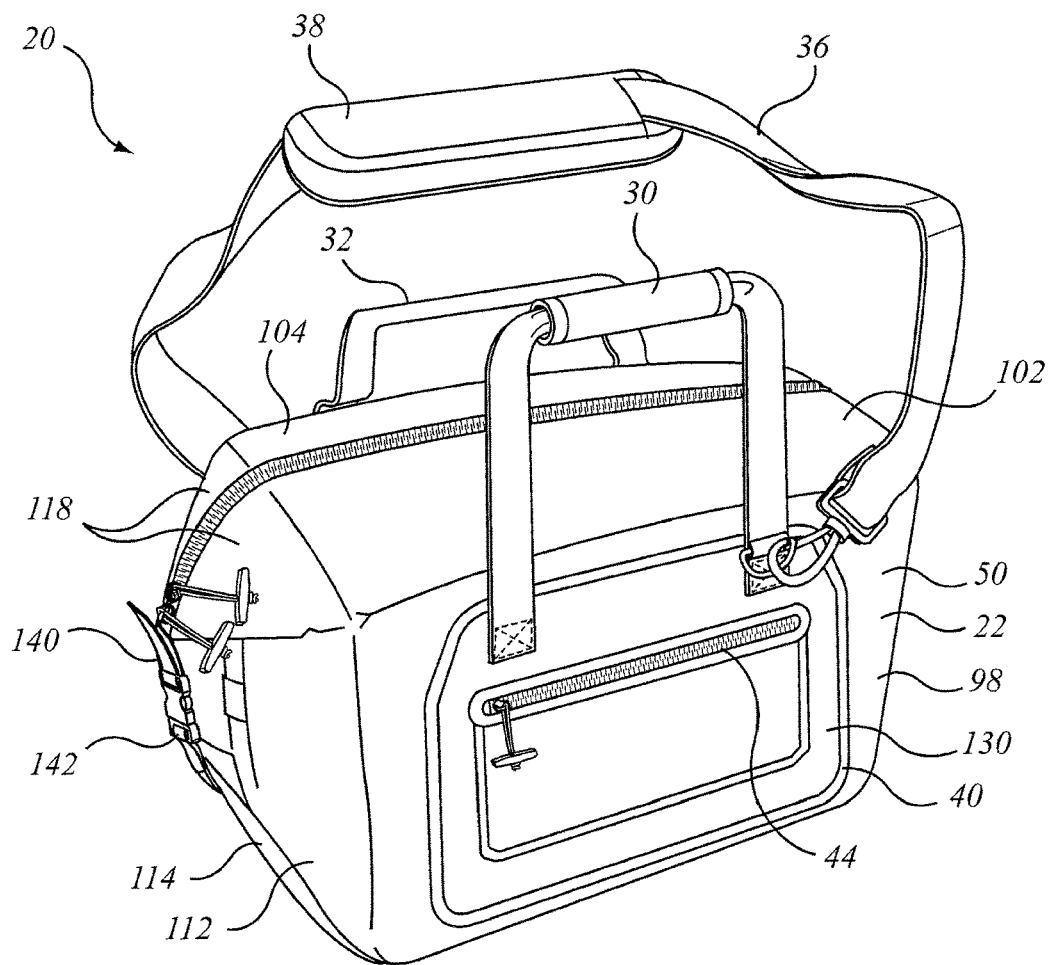


FIG. 1A

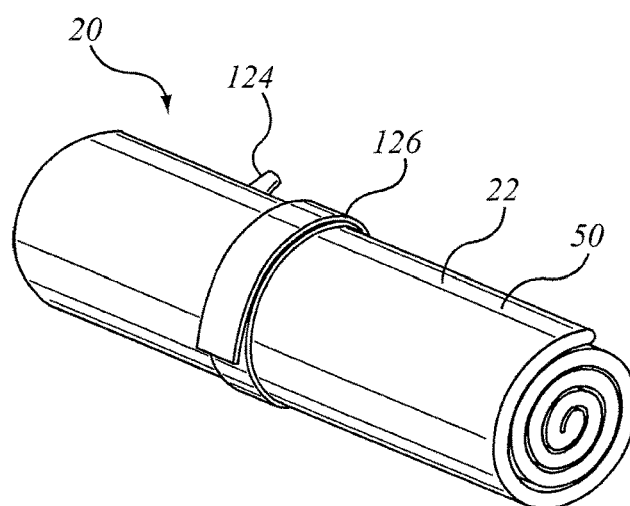


FIG. 1B

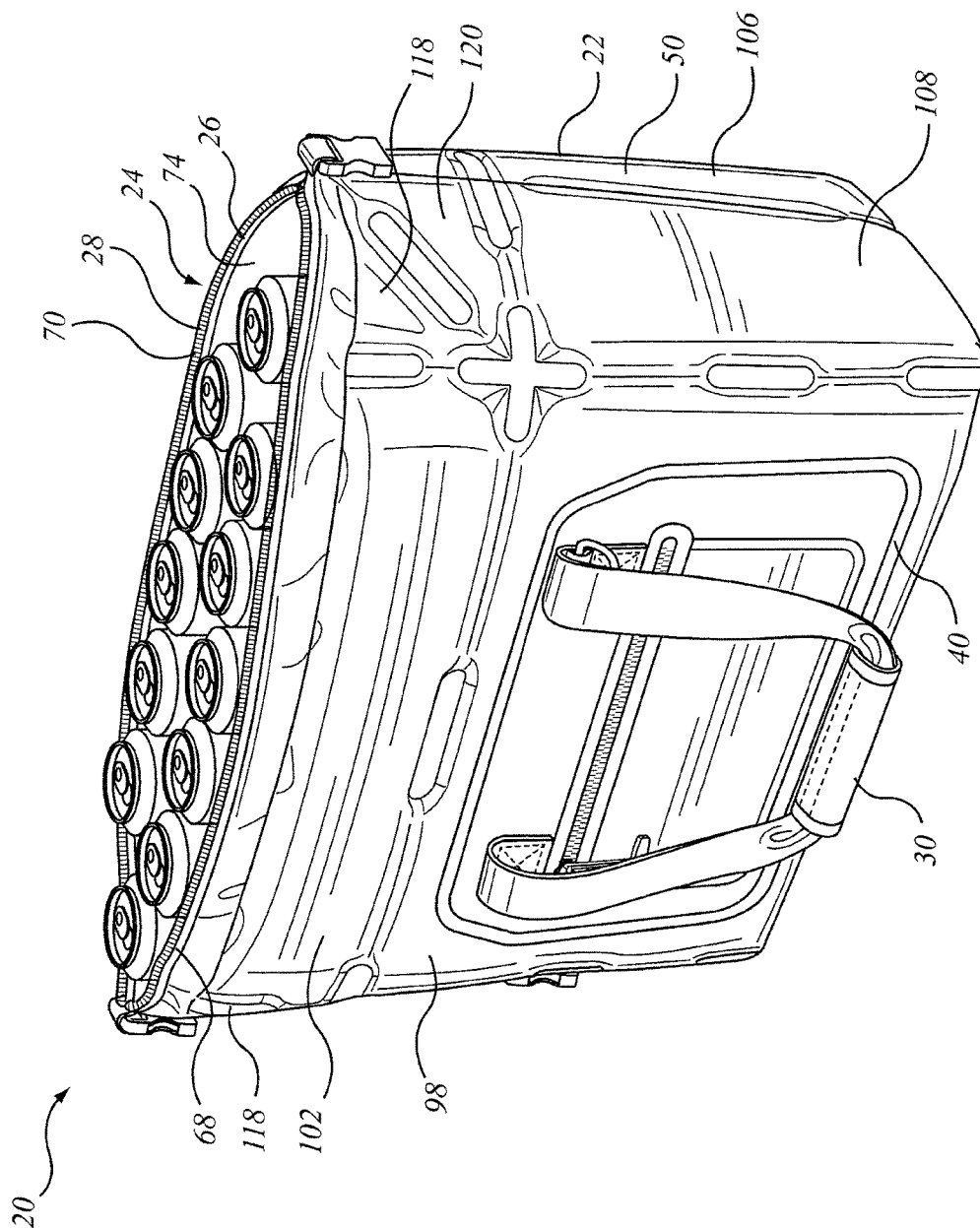


FIG. 1C

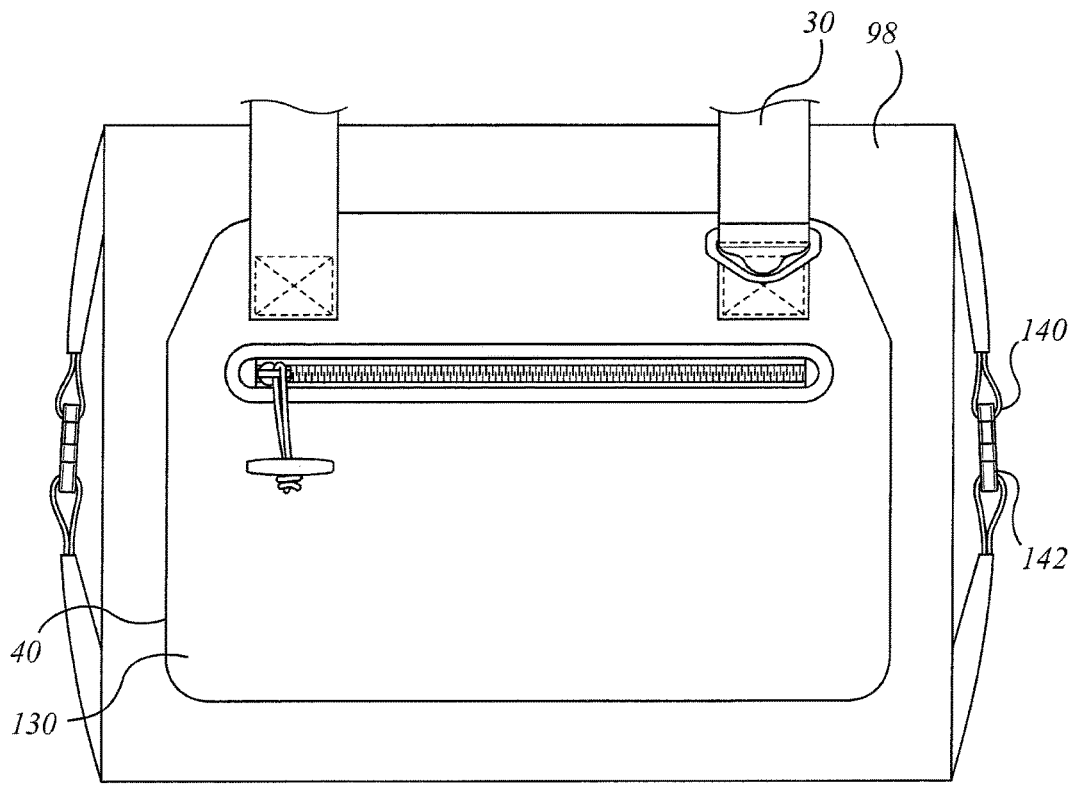


FIG. 1D

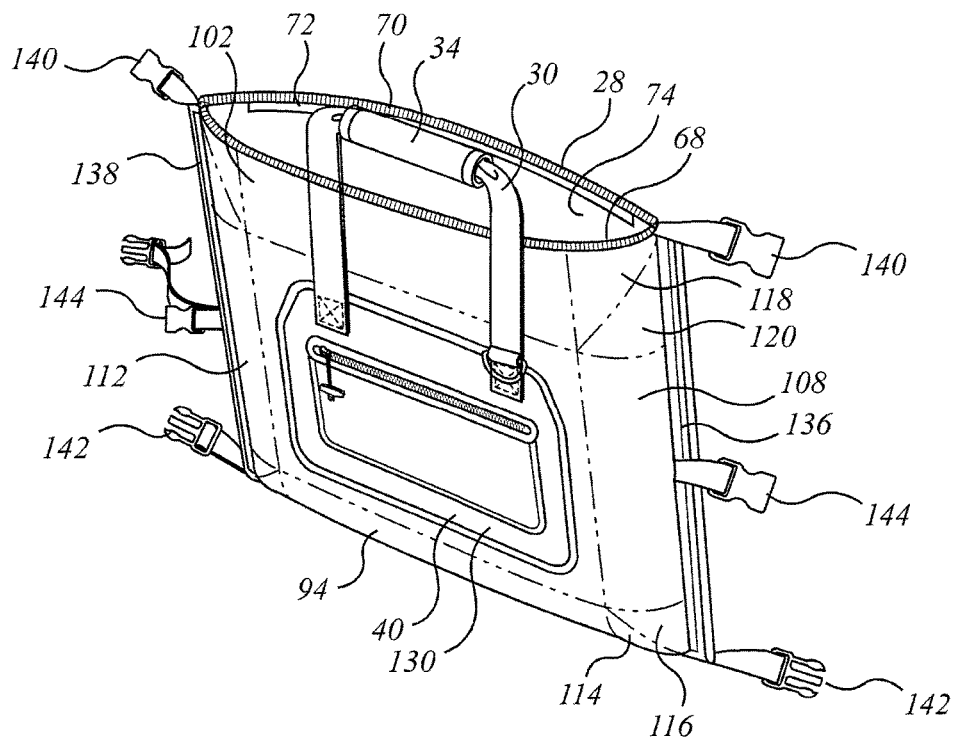


FIG. 2A

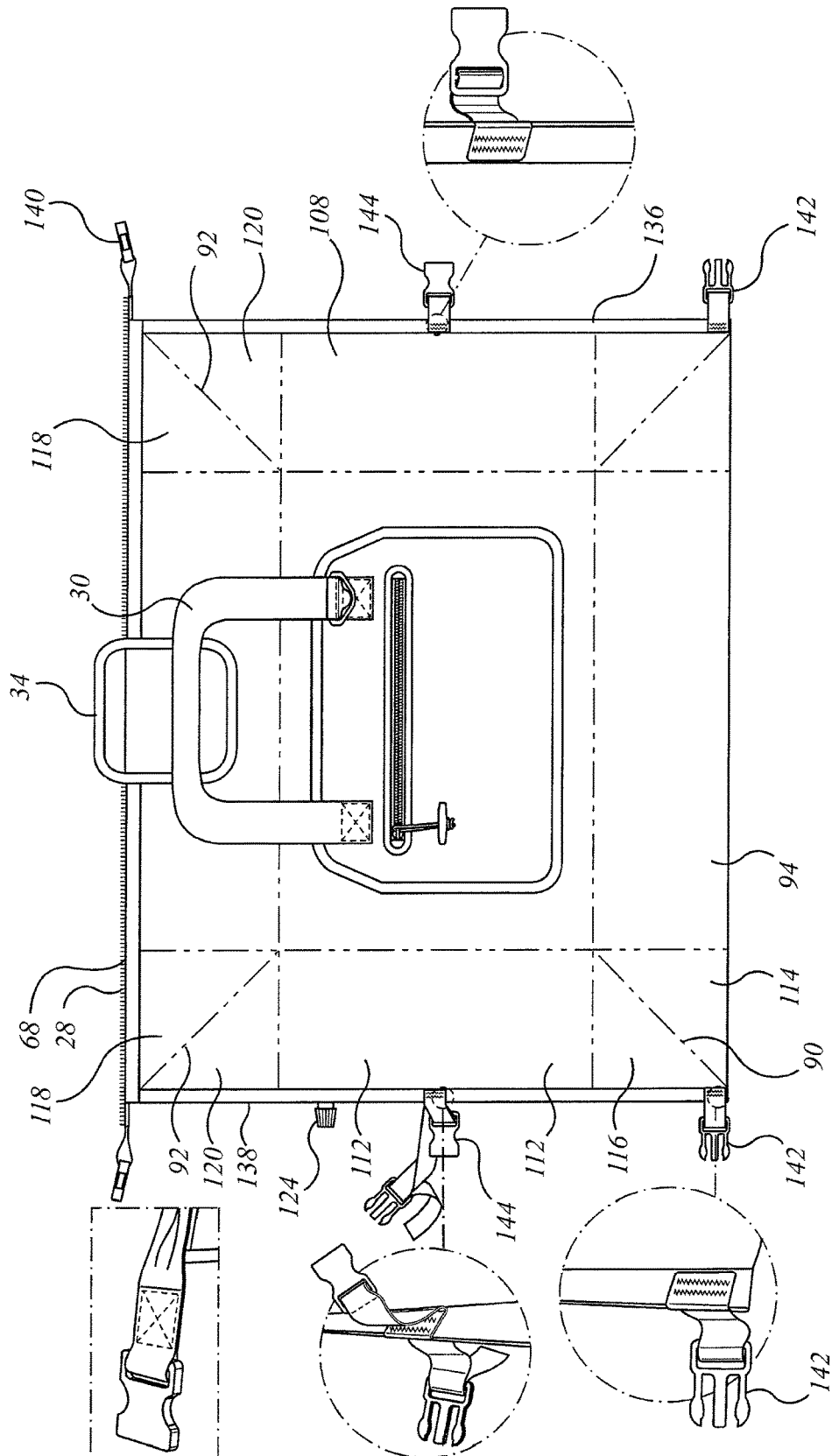


FIG. 2B

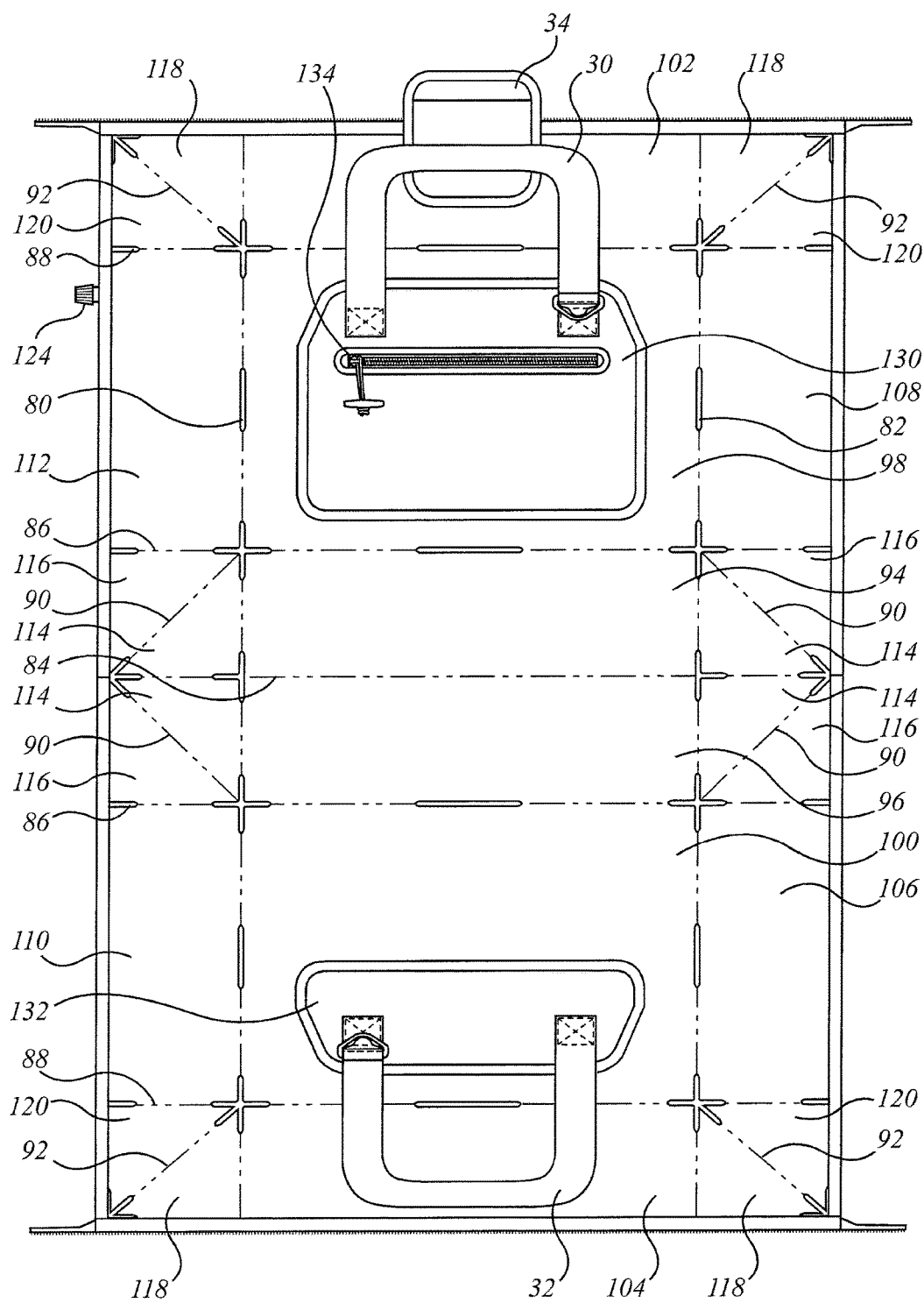
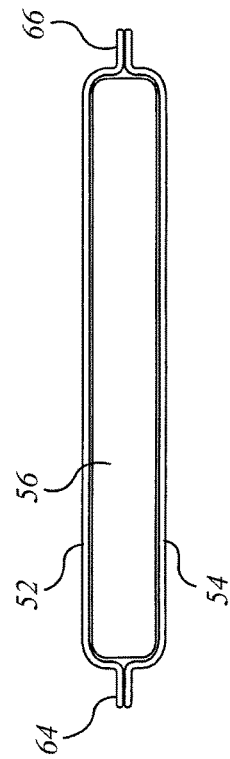
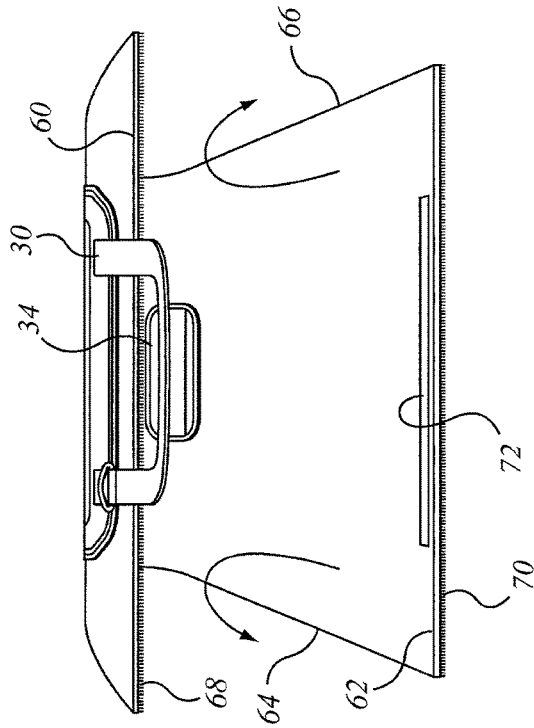
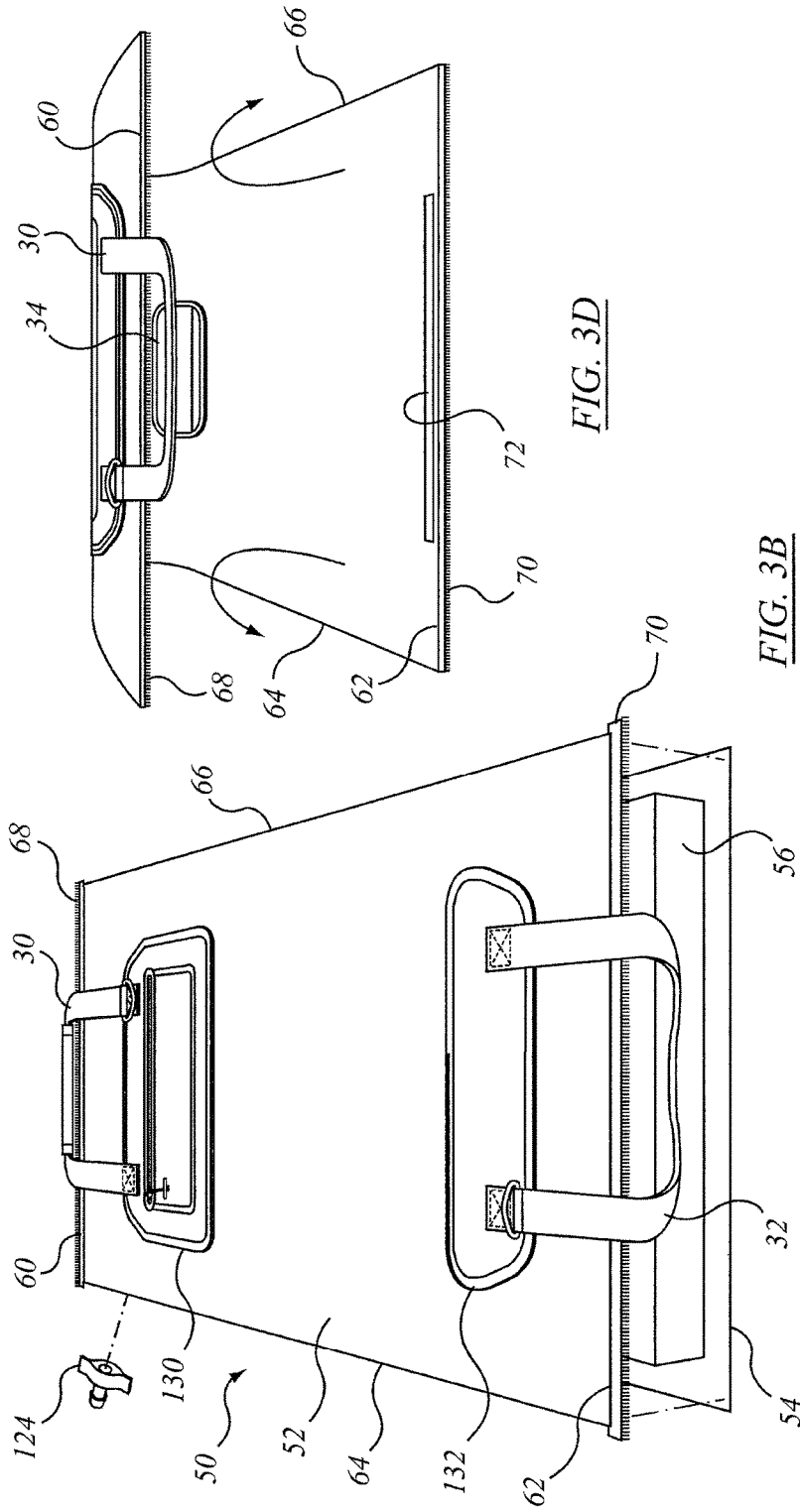


FIG. 3A



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SOFT-SIDED INSULATED CONTAINER WITH INFLATABLE WALL STRUCTURE

CROSS REFERENCE TO RELATED APPLICATIONS

This is a continuation application of U.S. patent application Ser. No. 13/782,489, filed Mar. 1, 2013 now U.S. Pat. No. 9,408,445 in the name of Melvin S. Mogil, Rick Stephens, and Ryan Mather and entitled SOFT-SIDED INSULATED CONTAINER WITH INFLATABLE WALL STRUCTURE, the disclosures of which are incorporated by reference herein.

BACKGROUND OF THE INVENTION

Insulated containers have become popular for carrying either articles that may best be served cool, such as beverages or salads, or warm, such as appetizers, hot dogs, and so on. Such containers are frequently used to carry liquids, whether hot liquids, such as soup containers, coffee or tea, or cold liquids such as beer, soft drinks, or other carbonated beverages, juices and milk. Sometimes these containers may be used to carry lunches, which may include a sandwich, fruit, carrot and celery sticks, a drink, cookies, and so on.

Portable insulated containers tend to be of two types: hard-sided insulated containers or soft-sided insulated containers. Hard-sided portable insulated containers tend to be made of moulded plastic, with an inner layer, or wall, and an outer layer or wall, with an insulation space (which may be an air-space) therebetween. Hard-sided portable insulated containers are, as might be understood by the name, substantially rigid. The adjective "portable" is sometimes generous, as a full cooler capable of carrying 24 cans at 385 mL each, plus ice, may have significant weight. Hard-sided coolers, by their nature, may tend to be bulky, and, even when provided with a handle on top or handles at the ends may tend not to be particularly convenient to carry. A user's perception of the convenience of their portability may diminish with each additional step.

A soft-sided cooler, by contrast, relies on external insulated wall structure that is not substantially rigid. In some instances the external insulated wall structure may be foldable between collapsed and expanded conditions. The insulated wall structure may typically include an outside layer of webbing or fabric, an inside layer of webbing or fabric, and a layer of flexible insulation positioned between the inner and outer layers. Soft-sided coolers may sometimes include substantially rigid liners to assist in permitting the cooler to maintain a given shape, or to protect items inside the cooler from being crushed.

Other features and advantages of the present invention will become apparent from the following description of the invention which refers to the accompanying drawings.

SUMMARY OF THE INVENTION

In an aspect of the invention there is a soft-sided insulated container having an inflatable wall structure.

In a feature of that aspect of the invention, the container is movable between a collapsed position and a deployed position. In another feature, the container has an outlet by which to permit the inflatable wall structure to be deflated. In a further feature, when the wall structure is deflated the container is movable to a rolled-up position. In still another feature the inflatable wall structure, when inflated, forms a peripheral wall having an insulated chamber defined there-

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within. In still another feature, the inflatable wall structure is self-inflating. In another feature, the inflatable wall structure includes an open cell foam captured therewithin. In yet another feature the inflatable wall structure is movable to either of (a) a tote-shaped container; and (b) a cubic container. In still another feature, the container has a washable liner. In a further feature, the liner is at least one of (a) removable; and (b) transparent.

In another feature, the inflatable wall structure, when inflated, forms a peripheral wall defining an insulated chamber in which to place objects. The inflatable wall structure has an outer membrane, an inner membrane, and a layer of insulation trapped between the outer membrane and the inner membrane. In another feature, the layer of insulation includes a resilient open-celled foam. In still another feature, the inflatable wall structure includes a valve operable to permit at least one of (a) inflation thereof; and (b) deflation thereof. In yet another feature, the outer membrane is thicker than the inner membrane and defines a scuff resistant outer surface of the container; and (b) the inner membrane has a reflective surface.

In still another feature, the container is movable between a collapsed position and a deployed position. The inflatable wall structure is self-inflating. The inflatable wall structure includes an open cell foam captured therewithin. The container has an outlet by which to permit the inflatable wall structure to be deflated, and, when the wall structure is deflated, the container is movable to a rolled-up position. The inflatable wall structure, when inflated, forms a peripheral wall having an insulated chamber defined therewithin.

These and other aspects of the invention may be more readily understood with the aid of the illustrative Figures and detailed description included hereinbelow

BRIEF DESCRIPTION OF THE DRAWING(S)

These and other aspects of the invention may be more readily understood with the aid of the illustrative Figures included herein below, and showing of an example, or examples, embodying the various aspects of the invention, provided by way of illustration, but not of limitation of the present invention, and in which

FIG. 1a shows a perspective view from the front, to one side and above, of an example of an embodiment of a soft-sided insulated container according to an aspect of the invention herein in a deployed and closed condition;

FIG. 1b shows a perspective view of the soft-sided, insulated container of FIG. 1a in a deflated, collapsed, and rolled-up condition;

FIG. 1c shows a perspective view of the container of FIG. 1a in tote bag form, filled;

FIG. 1d is a front view of the container of FIG. 1a;

FIG. 2a shows a perspective view of the container of FIG. 1a in a tote-bag configuration, empty, with the top closure member open;

FIG. 2b is a front view of the container of FIG. 2a;

FIG. 3a shows a developed view of the container of FIG. 2a during manufacture;

FIG. 3b is an exploded end perspective view of the container of FIG. 3a;

FIG. 3c is a cross-sectional view of the container of FIG. 3a;

FIG. 3d is a conceptual view showing the container of FIG. 3a being folded during manufacture;

DETAILED DESCRIPTION OF EMBODIMENTS OF THE INVENTION

The description that follows, and the embodiments described therein, are provided by way of illustration of an

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example, or examples, of particular embodiments of the principles, aspects and features of the present invention. These examples are provided for the purposes of explanation, and not of limitation, of those principles, aspects, and features of the invention. In the description, like parts are marked throughout the specification and the drawings with the same respective reference numerals. The drawings are not necessarily to scale and in some instances proportions may have been exaggerated in order more clearly to depict certain features of the invention.

For the purposes of this description, the insulated containers herein may be termed “coolers”, as a convenient shorthand. For the purposes of this description, it may be that a Cartesian frame of reference may be employed. In such a frame of reference, the long, or largest dimension of an object may be considered to extend in the direction of the x-axis, the base of the article, where substantially planar, may be considered to extend in an x-y plane, and the height of the article may be measured in the vertical, or z-direction. The largest panels of the containers described herein may be designated arbitrarily as the front and rear sides, faces, or portions of the container. Similarly, the closure member, or opening of the bag is arbitrarily designated as being at the top, and the base panel is designated as being at the bottom, as these terms may be appropriate for the customary orientation in which the objects may usually be found, sold, or used, notwithstanding that the objects may be picked up and placed on one side or another from time to time at the user's choice. Other orientations are possible, such as when carrying a pizza in a flat or generally horizontal orientation, rather than vertical. It may also be understood that, within the normal range of temperatures to which human food and human touch is accustomed, although the term cooler, or cooler container, or cooler bag, may be used, such insulated structures may generally also be used to keep food, beverages, or other objects either warm or hot as well as cool, cold, or frozen.

In this specification reference is made to insulated containers. The adjective “insulated” is intended to be given its usual and normal meaning as understood by persons skilled in the art. It is not intended to encompass single layers, or skins, of conventional webbing materials, such as Nylon™, woven polyester, canvas, cotton, burlap, leather, paper and so on, that are not otherwise indicated as having, or being relied upon to have, particular properties as effective thermal insulators other than in the context of being provided with heat transfer resistant materials or features beyond that of the ordinary sheet materials in and of themselves. Following from *Phillips v. AWH Corp.*, this definition provided in the specification is intended to supplant any dictionary definition, and to prevent interpretation in the US Patent Office (or in any other Patent Office) that strays from the customary and ordinary meaning of the term “insulated” as provided herein.

Similarly, this description may tend to discuss various embodiments of soft-sided wall members, as opposed to hard shell or hard-sided containers. In the jargon of the trade, a soft-sided cooler, or container, is one that does not have a substantially rigid, high density exoskeleton (typically a molded shell, e.g., of ABS or polyethylene, or other common types of molded plastic). Rather, a soft-sided wall may tend to have, for example, an outer skin, a layer of insulation, and an internal skin, both the internal and external skins being of some kind of webbing, be it a woven fabric, a nylon sheet, or some other membrane. The layer of insulation, which may be a sandwich of various components, is typically a flexible or resilient layer, perhaps of a relatively soft and flexible

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foam. A soft-sided container may still be a soft-sided container where, as described herein, it may include a substantially rigid liner, or may include one or more battens (which may be of a relatively hard plastic) concealed within the soft sided wall structure more generally, or where hard molded fittings may be used either at a container rim or lip, or to provided a base or a mounting point for wheels, but where the outside of the assembly is predominantly of soft-sided panels. Again, this definition is intended to forestall the U.S. Patent Office, (or any other Patent Offices), from adopting an interpretation of the term “soft-sided” that diverges from the ordinary and customary meaning of the term as understood by persons of ordinary skill in the art in the industry, and as explained herein.

FIGS. 1a to 1c show a soft-sided insulated container or container assembly, indicated generally as 20. It has a soft-sided, insulated wall structure, identified as 22, that defines a peripheral wall enclosing an internal chamber, generally indicated as 24. Access to the interior of chamber 24 is controlled by an access governor such as may be termed a closure member. Closure member 26 may be a tracked fastener such as a zipper 28. The assembly may have handles 30, 32 by which it may be lifted, and it may include a handle cinch or securement member, such as pad 34 which, in use, wraps around the bails of both handles 30, 32 to facilitate their carriage in one hand. A shoulder strap 36 with load spreading shoulder pad 38 may also be provided. External patches, or sheets, or pads 40, 42 may be added, or mounted to wall structure 22, and may include pouches or pockets 44, in which documents or other objects may be received.

As may be noted, container 20 may be deployed as a generally box-shaped container, as in FIG. 1a, or as a tote-bag shaped container as in FIG. 1c, 2a, or 2b, or it may be collapsed and rolled up as in FIG. 1b.

The structure of container 2c may be understood with reference to FIGS. 3a, 3b, 3c and 3d. In FIG. 3b, it can be seen that the wall structure assembly section indicated as 50 includes a first membrane or sheet 52, a second membrane or sheet 54 and a layer of insulation material 56. First sheet 52 may be designated as the inside skin. Sheet 54 may similarly be designated the outside skin. In each case, sheets 52 and 54 may be made of an air impermeable flexible sheet material, be it a rubberized material or some other. In one embodiment it may be an high denier nylon material that has been impregnated or coated, inside and out, with a thermoplastic urethane. In one embodiment, inside sheet 52 may have a shiny surface, such as a metallic reflective surface, that faces into chamber. In other embodiments inside may not be reflective. Outside sheet 54 may be thicker than inside sheet 52. It may be roughly one and a half to two and a half times as thick, and may be made of, or include, an outer scuff-resistant skin or surface, such as may tend to resist punctures.

Insulation material 56 is, or includes, resilient material with a memory, such that although it may be compressed to a smaller size, such that the air is squeezed out of it, the material will tend to return to its previous shape when released. The tendency to return to the original shape may tend to result in a self-inflating ability. Material 56 may be an open-cell air-porous foam. Material 56 may be a material other than an open-celled foam. Although it is convenient that a single sheet of insulation material be used, several smaller sheets could also be used.

Sheets 52 and 54 are of generally corresponding extent, that extent being greater than the extent of insulation material 56, such that the peripheries of sheets 52 and 54 may be

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sealed together, whether by bonding or welding to form an air impermeable seal. The width of the sealed zone, or weldment, may be quite substantial, being of the order of one half of an inch to one inch. To the extent that sheets **52** and **54** are generally rectangular. The edges may be identified as a first end edge **60**, a second, opposed edge **62**, a first side edge **64** and a second side edge **66**. Mating left and right hand guided fastener tracks, i.e., zipper tracks **68**, **70** of zipper **28**.

The inside face defined by sheet **52** may be substantially unobstructed, other than for the inclusion of fastening or securement fittings, such as fabric hook and eye strips **72** (e.g., Velcro,TM) mounted by adhesive bonding to the weldment strips immediately adjacent to first and second, or left and right hand zipper tracks **68**, **70** of zipper **28**. These securement fittings may be used as releasable securements for mating fittings of like nature of a removable, washable liner **74**. Liner **74** may be transparent, and may be a seamless liner. In other embodiment, liner **74** may be permanently fixed in place, and in still other embodiments container **20** may have neither strips **72** nor liner **74**.

Considering again FIG. **3a**, weldments **78** are also made at various locations at which assembly **50** is intended to be foldable. The various folds permit assembly **50** to be positioned in the tote bag configuration of FIGS. **1c**, **2a**, and **2b**; and also in the box-shaped configuration of FIG. **1a**. There are two longitudinal folds **80**, **82** that divide assembly **50** into left and right hand margins and a central portion. There are lateral folds, proceeding outwardly from the main centerline fold **84**, bottom main face fold **86**, and top marginal fold **88**. There are also diagonal lower and upper corner folds **90** and **92**, respectively. Assembly **50** is thus divided into first and second bottom half portions **94**, **96**; first and second, or front and rear, main panel portions **98**, **100**; first and second upper panel portions **102**, **104**, first and second, left and right hand end panel halves **106**, **108**, **110** and **112**. There are also inner and outer bottom folding gusset portions **114**, **116**, and first and second top corner folding gusset portions **118**, **120**.

A valve, or valve assembly **124** may be welded in place along one of the side margins of assembly **50**, as indicated. Valve assembly **124** is a governor that controls, i.e., blocks or permits, flow of air into or out of assembly **50**. When rolled up, as in FIG. **1b**, valve assembly **124** is open to allow air to be expelled during the collapsing and rolling up, and closed thereafter to keep air out. When rolled up, container **20** may be retained in the rolled condition by a strap **126**, such as may have mating hook-and-eye fabric fastener portions. When the strap is released, valve assembly **124** is opened, and the resiliency of the open celled foam material tends to spread inner and outer sheets **42** and **44** away from each other increasing the volume captured between them and, consequently drawing air into that space.

External shear panels, doublers, or pads, or mountings **130**, **132** are attached to the main front and rear panel portions **98**, **100** respectively, and function as load distributing anchors of handles **30**, **32**. That is, the ends of the straps of handles **30**, **32** may be attached, as by sewing or other means to mountings **130**, **132**, which may themselves be attached to portions **98**, **100**. Attachment is by non-puncturing means, such as by adhesive bonding or by a thermal bonding process such as welding or vulcanizing. Auxiliary compartment members, such as pockets or pouches **134** may be attached externally to mountings **130**, **132**.

When the external fittings have been mounted to assembly **50**, it is then folded, as suggested by FIG. **3d**, and the side

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edges bonded together, again as by bonding or by a thermal process such as welding at left and right hand main seams **136** and **138**.

Upper and lower quick release fittings **140**, **142** may be mounted at the zipper ends and at the points formed where the bottom gussets fold. In the tote-bag configuration of FIGS. **1c**, **2a** and **2b**, fittings **140**, **142** are not connected. However, when container **20** is used in the more box-shaped configuration of FIG. **1a**, the clips or clasps are joined, the effect being to fold down (and up) the end flaps, much as when folding wrapping paper, the securement of the ends tending to hold the package in its box-shaped form. Alternatively, container **20** may also have intermediate level quick-release fittings **144**, such as may engage with lower fittings **142**. In this embodiment the lower portion of container **20** may have a box shape, while the upper portion remains like the tote bag shape.

In the box-shaped configuration, the first and second bottom half portions **94** and **96** define a generally flat bottom; first and second left hand end panel halves **106**, **108** (which are joined at left hand main seam **136**) form the left hand end panel; first and second right hand end panel halves **110**, **112** (which are joined at right hand main seam **138**). The front and rear (or first and second) main side panels are defined by panel portions **98** and **100** respectively; the top wall is defined by first and second upper panel portions **102**, **104** joined by zipper **28** in a generally flat panel. In this configuration the top corner panel gusset **120** folds under gusset **118**, such that a triangular central point is formed at which fitting **140** is mounted. Similarly, each gusset **116** folds under its associate gusset **114**, forming a central point at which fitting **142** is mounted, the whole point then being pulled to lie upwardly, adjacent to the respective end wall.

In the tote-bag configuration, all of the portions to one side of main central fold **84** form one side of a tote pouch, while all of the portions to the other side form the other side of the tote. As the pouch is filled, the sides bulge accordingly.

Although container **20** has been shown and described as having a single communicating space into which air may be introduced or expelled, and thus only a single valve, the apparatus could have more than one valve—such as an inlet valve and an outlet valve. Alternatively it could have more than one valve that is both an inlet and an outlet valve to allow faster or easier inflation and deflation. In another embodiment, the compressible substance may merely be vented, or portions of the external skin may “breathe”, in either case without the use of a valve. It is not necessary that all sides of the container assembly be inflatable wall panels. For example, it may be desired that the bottom panel of the apparatus (corresponding to items **94** and **96**) such as may rest on sharp objects on the ground, and such as may be especially prone to damage or abuse, may be made of a non-inflating panel, or panels, such as substantially solid UHMW polymer. Alternatively, too, it may be that only a subset of panels is inflatable, such as main side panel portions **98** and **100**. It that case, each of those panels may be separately inflatable, or they may be in fluid communication. In one embodiment, container **20** is buoyant, such that if it falls in the water it will float even when rolled-up. In another embodiment, given the buoyancy of wall structure **22**, container **20** will float when deployed and empty.

The principles of the present invention are not limited to these specific examples which are given by way of illustration. It is possible to make other embodiments that employ the principles of the invention and that fall within its spirit and scope of the invention. Since changes in and or additions

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to the above-described embodiments may be made without departing from the nature, spirit or scope of the invention, the invention is not to be limited to those details, but only by the appended claims.

What is claimed is:

1. An inflatable soft-sided insulated container, comprising:

an inflatable wall structure having an inside skin; an outside skin; and a layer of foam insulation captured between said inside skin and said outside skin;

said wall structure having a pre-defined fold location at which said wall structure is foldable into panels defining an enclosure having an insulated chamber defined therewithin;

said wall structure having a closure governing access to said insulated chamber;

said wall structure having releasable securements mounted at opposite ends of said closure;

said securements being configured and operable to retain said enclosure in a six-sided box shape;

said enclosure has a bottom wall, a top wall, a front wall, a back wall, a first end wall and a second end wall;

said wall structure has a first edge, and a second edge, said first edge being opposed to said second edge;

said first and second edges having respective opposed halves of a zipper mounted thereto, said zipper defining said closure; and

when said wall structure is folded into said six-sided box shape, flaps extend from said top wall and from said bottom wall, said flaps having respective tips; and said securements tie said respective tips of said flaps of said top wall and said bottom wall together.

2. The inflatable, soft-sided insulated container of claim 1 wherein:

when said wall structure is folded into said six-sided box shape, said zipper runs centrally along said top wall; said flaps are triangularly folded flaps;

said zipper terminates at said respective tips of said flaps; a first of said securements is mounted at said tip of one of said folded flaps, and a second of said securements is mounted at said tip of a second of said folded flaps.

3. The inflatable, soft-sided insulated container of claim 1 wherein weldments made in said wall structure form said pre-defined fold locations.

4. The inflatable, soft-sided insulated container of claim 1 wherein handles are mounted to each of said front wall and said back wall.

5. The inflatable, soft-sided insulated container of claim 4 wherein each of said front and back walls is reinforced by a doubler, and said handles are mounted to said doublers respectively.

6. The inflatable, soft-sided insulated container of claim 1 wherein said wall structure is selectively inflatable and deflatable, and when deflated, said wall structure is formed into a roll.

7. The inflatable soft-sided insulated container of claim 1 wherein said container has an outlet by which to permit said inflatable wall structure to be deflated.

8. An inflatable soft-sided insulated container, comprising:

an inflatable wall structure having an inside skin; an outside skin; and a layer of foam insulation captured between said inside skin and said outside skin;

said inflatable wall structure being bonded together to form an insulated chamber therewithin;

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pre-defined fold locations formed in said inflatable wall structure, at which said inflatable wall structure is folded;

weldments made in said inflatable wall structure form said pre-defined fold locations;

in a first folded position of said inflatable wall structure at said pre-defined fold locations said inflatable wall structure and said insulated chamber have a six-sided box shape;

in a second folded position of said inflatable wall structure at said pre-defined fold locations said inflatable wall structure and said insulated chamber have a tote bag shape that is different from said six-sided box shape;

said inflatable wall structure having a closure governing access to said insulated chamber;

said inflatable wall structure having releasable securements mounted at opposite ends of said closure;

said securements being configured and operable to retain said inflatable wall structure in said six-sided box shape.

9. The inflatable, soft-sided insulated container of claim 8 wherein said inside skin and said outside skin are welded together about their respective peripheries.

10. The inflatable soft-sided insulated container of claim 9 wherein said container has an inlet to permit said inflatable wall structure to be self-inflating.

11. The inflatable, soft-sided insulated container of claim 8 wherein,

said enclosure has a bottom wall, a top wall, a front wall, a back wall, a first end wall and a second end wall;

said wall structure has a first edge, and a second edge, said first edge being opposed to said second edge;

said first and second edges having respective opposed halves of a zipper mounted thereto, said zipper defining said closure; and

said top wall, said bottom wall, said first end wall and said second end wall are centrally foldable to permit said wall structure to be formed into said tote-bag shape.

12. The inflatable, soft-sided insulated container of claim 8 wherein, when deflated, said wall structure is formed into a roll.

13. The soft-sided insulated container of claim 8 wherein said foam insulation layer includes a resilient open-cell foam.

14. An inflatable soft-sided insulated container, comprising:

an inflatable wall structure having an inside skin; an outside skin; and a layer of foam insulation captured between said inside skin and said outside skin;

said inflatable wall structure having weldments at pre-defined fold locations at which said wall structure is folded;

said inflatable wall structure being bonded together to define an insulated chamber therewithin;

said inflatable wall structure having a closure governing access to said insulated chamber;

said container has a collapsed, deflated, position;

said container has a first deployed position in which folds at said pre-determined fold locations form said inflatable wall structure and said insulated chamber into a deployed, inflated, six-sided box shape;

said container has a second deployed position in which said folds at said pre-determined fold locations form said inflatable wall structure and said insulated chamber into a deployed, inflated, tote bag shape, said second deployed position being different from said first deployed position and being an alternate thereto;

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said inflatable wall structure having releasable securements mounted at opposite ends of said closure; and said securements being configured and operable to retain said inflatable wall structure in said six-sided box shape.

15. The inflatable soft-sided insulated container of claim 14 wherein said container has an inlet to permit said inflatable wall structure to be self-inflating.

16. The soft-sided insulated container of claim 14 wherein said inflatable wall structure includes a valve operable to permit at least one of (a) inflation thereof; and (b) deflation thereof.

17. The inflatable, soft-sided insulated container of claim 14 wherein said inside skin and said outside skin are welded together about their respective peripheries; said wall structure is selectively inflatable and deflatable; and, when deflated, said wall structure is formable into a roll.

18. The inflatable, soft-sided insulated container of claim 14 wherein:

said enclosure has a bottom wall, a top wall, a front wall, a back wall, a first end wall and a second end wall; said wall structure has a first edge, and a second edge, said first edge being opposed to said second edge; said first and second edges having respective opposed halves of a zipper mounted thereto, said zipper defining said closure; and said top wall, said bottom wall, said first end wall and said second end wall are centrally foldable to permit said wall structure to be formed into a tote-bag configuration.

19. The inflatable, soft-sided insulated container of claim 14 wherein:

said enclosure has a bottom wall, a top wall, a front wall, a back wall, a first end wall and a second end wall; said wall structure has a first edge, and a second edge, said first edge being opposed to said second edge; said first and second edges mate to define said closure; and when said wall structure is folded into said six-sided box shape, flaps extend from said top wall and from said bottom wall; and said securements tie said respective tips of said flaps of said top wall and said bottom wall together.

20. An inflatable soft-sided insulated container, comprising:

an inflatable wall structure having an inside skin; an outside skin; and a layer of foam insulation captured between said inside skin and said outside skin;

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said wall structure having a pre-defined fold location at which said wall structure is foldable into panels defining an enclosure having an insulated chamber defined therewithin;

said wall structure having a closure governing access to said insulated chamber;

said wall structure having releasable securements mounted at opposite ends of said closure;

said securements being configured and operable to retain said enclosure in a six-sided box shape;

said inside skin and said outside skin are welded together about respective peripheries thereof;

weldments made in said wall structure form said pre-defined fold locations;

said inflatable wall structure includes a resilient open-cell foam, is self-inflating, and has an outlet by which to permit said inflatable wall structure to be deflated;

said wall structure has a first edge, and a second edge, said first edge being opposed to said second edge;

said first and second edges having respective opposed halves of a zipper mounted thereto, said zipper defining said closure;

said container is configurable between a collapsed, deflated, position; a deployed, inflated configuration corresponding to said six-sided box shape; and a deployed, inflated, tote bag configuration;

said top wall, said bottom wall, said first end wall and said second end wall are centrally foldable to permit said wall structure to be moved into said tote-bag configuration;

in said six-sided box shape, said enclosure has a bottom wall, a top wall, a front wall, a back wall, a first end wall and a second end wall;

when said wall structure is folded into said six-sided box shape, flaps extend from said top wall and said bottom wall, and said securements tie respective tips of said flaps of said top wall and said bottom wall together;

when said wall structure is folded into said six-sided box shape, said zipper runs centrally along said top wall; and said flaps are triangularly folded flaps; and

said zipper terminates at tips of said triangularly folded flaps; a first of said securements is mounted at a tip of one of said folded flaps, and a second of said securements is mounted at a tip of a second of said folded flaps.

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