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Peaceful Pillow Device

Abstract

The present invention relates to a novel cooling pillow device. The device is an improved, temperature-regulated pillow that employs the use of cold water and/or ice to keep the user cool and comfortable throughout the night. The device resembles a standard pillow with insulated chambers to accommodate ice and/or water. Specifically, the device comprises an insulated tubular chamber that resembles a peace sign design with an opening at the top, creating four interior sections. The opening is seamless, located at one end of the pillow device and is used for the insertion or removal of ice and/or water. The opening will have a lock that can secure and prevent the ice and/or water contents from leaking.

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Background/Summary

CROSS-REFERENCE TO RELATED APPLICATION [0001] The present application is a continuation-in-part of U.S. patent application Ser. No. 17/865,581, which was filed on Jul. 15, 2022 and claims priority to and the benefit of U.S. Patent Provisional Application No. 63/335,059, which was filed on Apr. 26, 2022, both of which are incorporated herein by reference in their entirety.

FIELD OF THE INVENTION

[0002] The present invention relates generally to cooling pillow devices. More specifically, the present invention relates to an improved cooling pillow device that provides users with a modified pillow designed to offer a temperature-regulated resting and sleeping experience via ice and/or water. Accordingly, the present disclosure makes specific reference thereto. Nonetheless, it is to be appreciated that aspects of the present invention are also equally applicable to other like applications, devices, and methods of manufacture.

BACKGROUND

[0003] By way of background, this invention relates to improvements in cooling pillow devices. People may enjoy sleeping on cool pillows to maintain optimal comfort at night. An uncomfortable pillow can lead to a poor night's sleep and ultimately, fatigue and unhappiness the following day. Thus, people may spend significant money on different types of pillows trying to find the right one that works for them.

[0004] Furthermore, obtaining quality sleep is an essential component of both maintaining and improving one's health. While sleeping, people pass through several phases or stages of sleep, including REM (rapid eye movement) sleep. People lose some of the ability to regulate their body temperature during REM, so abnormally hot or cold temperatures in the environment can disrupt this stage of sleep. Having suitable bedding is critical in controlling temperature, which ultimately, when adequate, can enhance the quality of sleep that one receives.

[0005] When the temperature around the body's microclimate stays balanced, the sleeper awakens less, sleeps deeper, and gets a better more restorative sleep. Today, many people suffer from waking in the middle of the night due to temperature fluctuations.

[0006] One significant area of importance for temperature balance is at one's head. Commonly, when sleeping, individuals rest their head on a pillow. Traditional pillows are composed of a variety of materials, but such materials lack the ability to regulate one's sleep at a lower, more comfortable temperature. Thus, it is necessary for users to have a temperature-regulated pillow, preventing users from getting too warm during the night.

[0007] Therefore, there exists a long-felt need in the art for a cooling pillow device that provides users with a modified pillow designed to offer a temperature-regulated resting and sleeping experience via ice and/or water. There is also a long-felt need in the art for a cooling pillow device that ensures anyone can utilize the pillow and maintain a cool, comfortable temperature without worry of leaks or stains on their bed. Further, there is a long-felt need in the art for a cooling pillow device that features an interior chamber, accessible along one edge of the pillow, in which users can pour water and/or ice into the chamber to experience a cool temperature while lying on the pillow. Moreover, there is a long-felt need in the art for a device that enables a user to insert the pillow into a standard pillowcase for a seamless look and feel while resting. Further, there is a long-felt need in the art for a cooling pillow device that prevents people from getting too warm and sweating during the night due to a hot, uncomfortable pillow. Finally, there is a long-felt need in the art for a cooling pillow device that employs the use of cold water and/or ice to keep the user cool and comfortable throughout the night.

[0008] The subject matter disclosed and claimed herein, in one embodiment thereof, comprises a

cooling pillow device. The device is an improved, temperature-regulated pillow that employs the use of cold water and/or ice to keep the user cool and comfortable throughout the night. The device resembles a standard pillow with insulated chambers to accommodate ice and/or water.

Specifically, the device comprises an insulated tubular chamber that resembles a peace sign design with an opening at the top, creating four interior sections. The opening is seamless, located at one end of the pillow device and is used for the insertion or removal of ice and/or water. The opening will have a lock that can secure and prevent the ice and/or water contents from leaking. Further, each tubular chamber will have an inner layer of plastic material that will prevent the ice and/or water from leaking into the pillow along with preventing it from releasing any moisture due to condensation. A second outer layer will be composed of an insulation material to insulate the ice and/or cold water and keep it cool longer, to release a continuous, steady flow of cool temperature. Both layers allow the ice and/or water to cool all four interior sections.

[0009] In this manner, the cooling pillow device of the present invention accomplishes all of the foregoing objectives and provides device that prevents users from getting too warm and sweating during the night due to a hot, uncomfortable pillow. The device allows a user to insert the pillow into a standard pillowcase for use. The device ensures that anyone utilizing the pillow can maintain a cool, comfortable temperature without worry of leaks or stains on their bed.

SUMMARY OF THE INVENTION

[0010] The following presents a simplified summary in order to provide a basic understanding of some aspects of the disclosed innovation. This summary is not an extensive overview, and it is not intended to identify key/critical elements or to delineate the scope thereof. Its sole purpose is to present some general concepts in a simplified form as a prelude to the more detailed description that is presented later.

[0011] The subject matter disclosed and claimed herein, in one embodiment thereof, comprises a cooling pillow device. The device is an improved, temperature-regulated pillow that employs the use of cold water and/or ice to keep the user cool and comfortable throughout the night. The device resembles a standard pillow with insulated chambers to accommodate ice and/or water.

Specifically, the device comprises an insulated tubular chamber that resembles a peace sign design with an opening at the top, creating four interior sections. The opening is located at one end of the pillow device and is used for the insertion or removal of ice and/or water.

[0012] In one embodiment, the cooling pillow device resembles a standard pillow and is rectangular in shape. The cooling pillow device comprises a body component with a top, a bottom, a set of opposing front and back walls, and a set of opposing side walls. Typically, the walls are uniform in size and shape, but in some embodiments, the back wall can be wider than the opposing front wall, creating a wedge-like shape. Any other suitable shape as is known in the art can be utilized depending on the needs and/or wants of a user.

[0013] In one embodiment, the thickness of the body component is approximately 4.0 mm when filled. However, the thickness of the body component can be approximately between 2.0 mm to 6.0 mm, depending on the how full a user fills the device.

[0014] In one embodiment, the body component comprises an interior cavity and an insulated tubular chamber that is positioned within the cavity. The tubular chamber resembles a peace sign design, creating four interior sections within the cavity. However, any suitable design can be utilized depending on the size and shape of the cooling pillow device. Further, any suitable number of tubular chambers can be included as needed and/or desired, and the tubular chambers can be any suitable size and/or shape as is known in the art.

[0015] In another embodiment, each tubular chamber will have an inner layer of plastic material that will prevent the ice and/or water from leaking into the body component of the device, along with preventing it from releasing any moisture due to condensation. Further, the tubular chamber will also comprise a second outer layer composed of an insulation material to insulate the ice and/or cold water and keep it cool longer, to release a continuous, steady flow of cool temperature.

Both layers allow the ice and/or water to cool all four interior sections of the cavity.

[0016] In another embodiment, the body component of the device is made of a flexible waterproof material, such as rubber or polyvinyl chloride, or any other material that is waterproof and/or water resistant. In one embodiment, the interior cavity comprises a thermally conductive material, such as closed-cell foam, foam gel, or any other suitable material as is known in the art. Therefore, when the user's head and/or body comes into contact with the interior cavity, the thermally conductive material prevents the user's head from becoming too cold and uncomfortable.

[0017] In one embodiment, the tubular chamber comprises an opening. Typically, there is one opening, but any suitable number of openings can be used as is known in the art. Further, the opening is typically positioned near the top of the device but can be positioned at any place on the device. Generally, the opening is seamless, located at one end of the pillow device and is used for the insertion or removal of ice and water. Further, the opening will have a cap and a lock that can secure and prevent the ice and/or water contents from leaking. Any suitable watertight cap and lock as is known in the art can be used, such as a plug with an O-ring, etc. Typically, the cap is a removable cap that can be threaded into the opening, or any other suitable cap as is known in the art. Thus, the cap can be freely attached and detached as needed.

[0018] Furthermore, when a user's head is placed on the pillow device, typically water is displaced due to pressure. However, instead of water moving away to another part of the interior cavity, causing the water to bulge, thus leaving the part on which the head rests with very little water; the displaced water tends to remain within the tubular chamber, thereby maintaining the water balanced within the interior cavity. Furthermore, the tubular chambers minimize sloshing about of the water by movement of the user's head.

[0019] In one embodiment, when using the cooling pillow device, cold water and/or ice are poured into the opening on the tubular chambers. Water and/or ice are then moved through the tubular chambers and held in place, balancing out the device. The opening is secured with a cap. The cooling pillow device is then placed in a standard pillowcase. Accordingly, the user's head is then placed on the cooling pillow device for use.

[0020] As discussed above, the user would not have the feeling of pressure on his head due to the concavity at the center of the cooling pillow device from water being displaced. Instead, the tubular chambers hold the water in place, allowing the cooling pillow device to provide a feeling of softness and comfort for the user, as well as cooling.

[0021] In yet another embodiment, the cooling pillow device comprises a plurality of indicia.

[0022] In yet another embodiment, a method of providing a temperature-regulated pillow is described. The method includes the steps of providing a cooling pillow device that comprises insulated tubular chambers which accommodate ice and/or water to cool the pillow and an opening for filling the tubular chambers. The method also comprises filling the insulated tubular chambers with ice and/or water via the opening. Further, the method comprises securing and locking the opening once filled, to prevent the ice and/or water contents from leaking. Finally, inserting the cooling pillow device into a standard pillowcase for use.

[0023] Numerous benefits and advantages of this invention will become apparent to those skilled in the art to which it pertains, upon reading and understanding the following detailed specification.

[0024] To the accomplishment of the foregoing and related ends, certain illustrative aspects of the disclosed innovation are described herein in connection with the following description and the annexed drawings. These aspects are indicative, however, of but a few of the various ways in which the principles disclosed herein can be employed and are intended to include all such aspects and their equivalents. Other advantages and novel features will become apparent from the following detailed description when considered in conjunction with the drawings.

Description

BRIEF DESCRIPTION OF THE DRAWINGS

[0025] The description refers to provided drawings in which similar reference characters refer to similar parts throughout the different views, and in which:

[0026] FIG. 1 illustrates a perspective view of one potential embodiment of the cooling pillow device of the present invention in accordance with the disclosed architecture;

[0027] FIG. 2 illustrates a perspective view of one potential embodiment of the cooling pillow device of the present invention disclosing the opening in accordance with the disclosed architecture;

[0028] FIG. 3 illustrates a perspective view of one potential embodiment of the cooling pillow device of the present invention disclosing how cold water and ice are poured into the opening in accordance with the disclosed architecture;

[0029] FIG. 4 illustrates a perspective view of one potential embodiment of the cooling pillow device of the present invention inserted into a standard pillowcase in accordance with the disclosed architecture;

[0030] FIG. 5 illustrates a perspective view of one potential embodiment of the cooling pillow device of the present invention in use in accordance with the disclosed architecture;

[0031] FIG. 6 illustrates a flowchart showing one potential method of providing a temperature-regulated pillow in accordance with the disclosed architecture;

[0032] FIG. 7 illustrates a perspective view of one potential embodiment of the cooling pillow device of the present invention with two halves unattached in accordance with the disclosed architecture; and

[0033] FIG. 8 illustrates a perspective view of one potential embodiment of the cooling pillow device of the present invention with two halves attached in accordance with the disclosed architecture

DETAILED DESCRIPTION OF THE PRESENT INVENTION

[0034] The innovation is now described with reference to the drawings, wherein like reference numerals are used to refer to like elements throughout. In the following description, for purposes of explanation, numerous specific details are set forth in order to provide a thorough understanding thereof. It may be evident, however, that the innovation can be practiced without these specific details. In other instances, well-known structures and devices are shown in block diagram form in order to facilitate a description thereof. Various embodiments are discussed hereinafter. It should be noted that the figures are described only to facilitate the description of the embodiments. They are not intended as an exhaustive description of the invention and do not limit the scope of the invention. Additionally, an illustrated embodiment need not have all the aspects or advantages shown. Thus, in other embodiments, any of the features described herein from different embodiments may be combined.

[0035] As noted above, there is a long-felt need in the art for a cooling pillow device that provides users with a modified pillow designed to offer a temperature-regulated resting and sleeping experience via ice and/or water. There is also a long-felt need in the art for a cooling pillow device that ensures anyone can utilize the pillow and maintain a cool, comfortable temperature without worry of leaks or stains on their bed. Further, there is a long-felt need in the art for a cooling pillow device that features an interior chamber, accessible along one edge of the pillow, in which users can pour water and/or ice into the chamber to experience a cool temperature while lying on the pillow. Moreover, there is a long-felt need in the art for a device that enables a user to insert the pillow into a standard pillowcase for a seamless look and feel while resting. Further, there is a long-felt need in the art for a cooling pillow device that prevents people from getting too warm and sweating during the night due to a hot, uncomfortable pillow. Finally, there is a long-felt need in the art for a cooling pillow device that employs the use of cold water and/or ice to keep the user cool and comfortable throughout the night.

[0036] The present invention, in one exemplary embodiment, is a novel cooling pillow device. The device is an improved, temperature-regulated pillow that employs the use of cold water and/or ice to keep the user cool and comfortable throughout the night. The device resembles a standard pillow with insulated chambers to accommodate ice and/or water. Specifically, the device comprises an insulated tubular chamber that resembles a peace sign design with an opening at the top, creating four interior sections. The opening is seamless, located at one end of the pillow device and is used for the insertion or removal of ice and/or water. The opening will have a lock that can secure and prevent the ice and/or water contents from leaking. The present invention also includes a novel method of providing a temperature-regulated pillow. The method includes the steps of providing a cooling pillow device that comprises insulated tubular chambers which accommodate ice and/or water to cool the pillow and an opening for filling the tubular chambers. The method also comprises filling the insulated tubular chambers with ice and/or water via the opening. Further, the method comprises securing and locking the opening once filled, to prevent the ice and/or water contents from leaking. Finally, inserting the cooling pillow device into a standard pillowcase for use.

[0037] Referring initially to the drawings, FIG. 1 illustrates a perspective view of one embodiment of the cooling pillow device **100** of the present invention. In the present embodiment, the cooling pillow device **100** is an improved cooling pillow device that provides a temperature-regulated pillow that employs the use of cold water and/or ice to keep the user cool and comfortable throughout the night. The device **100** is especially designed to allow any suitable user as is known in the art, to maintain a cool, comfortable temperature while sleeping.

[0038] The device **100** resembles a standard pillow but with at least one insulated bladder **102** that can be filled with a heating and/or cooling compound **800** such as but not limited to ice, phase change materials, gel-based coolants, and/or water. More specifically, the device **100** comprises at least one insulated bladder **102** which may partition off the interior of the device **100** into interior sections **104**. Further, the tubular bladder **102** comprises an opening **106** that in one embodiment is located at one end of the pillow device **100** and is used for the insertion or removal of the compound **800** into the bladder **102**.

[0039] Generally, the cooling pillow device **100** resembles a standard pillow and is rectangular in shape but can be any suitable shape as is known in the art, depending on the needs and/or wants of a user. In one embodiment, the bladder **102** has a top **110**, a bottom **112**, a set of opposing front and back walls **114**, and a set of opposing side walls **116**. Typically, the walls **114**, **116** are uniform in size and shape, but in some embodiments, the back wall **114** can be wider than the opposing front wall **114**, creating a wedge-like shape. Any other suitable shape as is known in the art can be utilized depending on the needs and/or wants of a user.

[0040] In one embodiment, the body component **108** is comprised of a flexible, waterproof material such as but not limited to a thermoplastic polyurethane (TPU), polyvinyl chloride (PVC), ethylene-vinyl acetate (EVA), silicone rubber, or thermoplastic elastomers (TPE). These materials provide a combination of durability, flexibility, and impermeability that is suitable for containing the insulated bladder **102** and accommodating the weight and movement of the user.

[0041] In additional embodiments, the body component **108** may further comprise one or more interior insulation layers **814** to regulate thermal transfer between the cooling compound **800** and the outer surface of the device **100**. Said insulation layers **814** include but are not limited to a closed-cell polyethylene foam, a gel-infused memory foam, an aerogel-infused polymer composite, etc. These materials provide thermal buffering, shock absorption, and structural support, thereby enhancing the user's comfort and extending the effective cooling duration of the compound **800**.

[0042] To improve surface feel and comfort, the body component **108** may be laminated or wrapped with a breathable textile layer **816** such as but not limited to spacer mesh fabric, moisture-wicking polyester, nylon tricot, or natural fibers including organic cotton or bamboo knit. In configurations where a fabric layer **816** is applied, the material may be further treated with a

polyurethane coating **818** to maintain waterproofing or infused with antimicrobial additives to inhibit microbial growth and improve hygiene.

[0043] Furthermore, the thickness of the body component **108** is approximately 4.0 mm when the bladder **102** is inside the body **108** and filled with the compound **800**. However, the thickness of the body component **108** can vary in different embodiments.

[0044] Additionally, the body component **108** comprises an interior cavity **118** and an insulated tubular bladder **102** that is positioned within the cavity **118**. The tubular bladder **102** may resemble a peace sign design, creating a plurality of interior sections **104** within the cavity **118**. However, any suitable design shape and size of bladder **102** can be utilized depending on the size and shape of the cooling pillow device **100**. Further, any suitable number of tubular bladders **102** can be included as needed and/or desired, and the tubular bladders **102** can be any suitable size and/or shape as is known in the art including but not limited to ovalar/elliptical. Additionally, the tubular chambers **102** can create any suitable number of interior sections **104**.

[0045] In one embodiment, the body **108** is comprised of a first half **109** and a second half **111**, as seen in FIG. 7. Each half **109,111** is comprised of at least one cavity **118**. Each cavity **118** is shaped to receive half of the bladder **102**. Each half **109, 111** is further comprised of at least one fastener **700** that allows the halves **109,111** to attach together with the bladder **102** in between (received by both cavities **118**) such that the bladder **102** is fully encased by the body **108**, as seen in FIG. 8. The fasteners **700** may be any type of reciprocating fasteners such as but not limited to hook and loop, snap button, magnetic, zipper, etc. and may be placed anywhere on the halves **109, 111**.

[0046] As shown in FIG. 2, the tubular bladder **102** comprises an opening **106**. Preferably, there is one opening **106**, but any suitable number of openings **106** can be used as is known in the art. Further, the opening **106** is typically positioned near the top of the device **100** but can be positioned at any place on the device **100**. Generally, the opening **106** is seamless, located at one end of the pillow device **100**, and is used for the insertion or removal of the compound **800** into the bladder **102**. Further, the opening **106** may be comprised of a cap **200** and a lock **202** that can secure and prevent the ice and/or water contents from leaking. Any suitable watertight cap **200** and lock **202** as is known in the art can be used, such as but not limited to a plug with an O-ring, etc. Typically, the cap **200** is a removable cap **200** that can be threaded into the opening **106**, or any other suitable cap **200** as is known in the art. Thus, the cap **200** can be freely attached and detached as needed.

[0047] As shown in FIG. 2, each tubular bladder **102** may have an inner layer **300** of plastic material that will prevent the ice and/or water from leaking into the body component **108** of the device **100**, along with preventing it from releasing any moisture due to condensation. Further, the tubular bladder **102** may also comprise a second outer layer **302** composed of an insulation material to insulate the compound **800** and keep it cool longer, to release a continuous, steady flow of cool temperature. Both layers **300, 302** allow the compound **800** to cool the cavity **118** and/or body **108**. In one embodiment, the outer layer **302** is comprised of a reflective thermal barrier, such as but not limited to a metallized polymer film, to reduce thermal radiation loss from the compound **800**.

[0048] Further, the body component **108** of the device **100** is preferably made from a flexible waterproof material, such as rubber or polyvinyl chloride, polypropylene or acrylonitrile-butadiene-styrene (ABS), or any other suitable material as is known in the art, such as, but not limited to, polyethylene, polyethylene terephthalate, polystyrene, etc. Generally, the device **100** is also manufactured from a material that is water resistant or water permeable, or the body component **108** comprises a coating that is water resistant or water permeable. Further, in one embodiment, the interior cavity **118** comprises a thermally conductive material, such as closed-cell foam, foam gel, or any other suitable material as is known in the art. Therefore, when the user's head and/or body comes into contact with the interior cavity **118**, the thermally conductive material prevents the user's head from becoming too cold and uncomfortable.

[0049] As shown in FIG. 4, the cooling pillow device **100**, once filled, can then be inserted into a standard pillowcase **400** for use. Further, when a user's head is placed on the pillow device **100**,

typically water is displaced due to pressure. However, instead of water moving away to another part of the interior cavity **118**, causing the water to bulge, thus leaving the part on which the head rests with very little water; the displaced water tends to remain within the tubular bladder **102**, thereby maintaining the water balanced within the interior cavity **118**. Furthermore, the tubular chambers **102** minimize sloshing about of the water by movement of the user's head. The pillowcase **400** may be comprised of at least one fastener **402**, such as but not limited to a zipper, hook and loop, etc. to help secure the halves **108,111** within the pillowcase **400**. In one embodiment, the pillowcase **400** is comprised of a multi-layer textile structure including a moisture-wicking top layer **404**, a breathable spacer mesh intermediate layer **406**, and a thermal-reflective inner lining **408** to enhance both comfort and cooling efficiency. In another embodiment, the pillowcase **400** comprises an anti-microbial and anti-odor treatment layer **410**, such as silver ion or bamboo charcoal fabric, to enhance hygiene during extended use.

[0050] As shown in FIG. 5, when using the cooling pillow device **100**, a compound **800** in the form of cold water and ice is poured into the opening **106** into the tubular chambers **102**. Water and ice are then moved through the tubular chambers **102** and held in place, balancing out the device **100**. The opening **106** is then secured with a cap **200**. The cooling pillow device **100** is then placed in a standard pillowcase **400**. Accordingly, the user's head **500** is then placed on the cooling pillow device **100** for use.

[0051] As discussed above, the user would not have the feeling of pressure on his/her head **500** due to the concavity at the center of the cooling pillow device **100** from water being displaced. Instead, the tubular chambers **102** hold the water in place, allowing the cooling pillow device **100** to provide a feeling of softness and comfort for the user, as well as cooling.

[0052] In another embodiment, the cooling pillow device **100** comprises a plurality of indicia **502**. The body component **108** of the device **100** may include advertising, a trademark, or other letters, designs, or characters, printed, painted, stamped, or integrated into the body component **108**, or any other indicia **502** as is known in the art. Specifically, any suitable indicia **502** as is known in the art can be included, such as, but not limited to, patterns, logos, emblems, images, symbols, designs, letters, words, characters, animals, advertisements, brands, etc., that may or may not be sleep or brand related.

[0053] FIG. 6 illustrates a flowchart of the method of providing a temperature-regulated pillow. The method includes the steps of at **600**, providing a cooling pillow device that comprises insulated tubular chambers which accommodate ice and/or water to cool the pillow and an opening for filling the tubular chambers. The opening comprises a removable cap that can be threaded onto the opening to seal the water and/or ice within the device. The method also comprises at **602**, filling the insulated tubular chambers with ice and/or water via the opening. The tubular chambers can be filled completely or partially, depending on the cooling relief desired by a user. Further, the method comprises at **604**, securing and locking the opening once filled, to prevent the ice and/or water contents from leaking. The cap is a watertight cap which seals the opening. Finally, at **606**, inserting the cooling pillow device into a standard pillowcase for use.

[0054] Certain terms are used throughout the following description and claims to refer to particular features or components. As one skilled in the art will appreciate, different users may refer to the same feature or component by different names. This document does not intend to distinguish between components or features that differ in name but not structure or function. As used herein "cooling pillow device", "pillow device", and "device" are interchangeable and refer to the cooling pillow device **100** of the present invention.

[0055] Notwithstanding the foregoing, the cooling pillow device **100** of the present invention can be of any suitable size and configuration as is known in the art without affecting the overall concept of the invention, provided that it accomplishes the above-stated objectives. One of ordinary skill in the art will appreciate that the cooling pillow device **100** as shown in FIGS. 1-6 are for illustrative purposes only, and that many other sizes and shapes of the cooling pillow device **100**

are well within the scope of the present disclosure. Although the dimensions of the cooling pillow device **100** are important design parameters for user convenience, the cooling pillow device **100** may be of any size that ensures optimal performance during use and/or that suits the user's needs and/or preferences.

[0056] Various modifications and additions can be made to the exemplary embodiments discussed without departing from the scope of the present invention. While the embodiments described above refer to particular features, the scope of this invention also includes embodiments having different combinations of features and embodiments that do not include all of the described features. Accordingly, the scope of the present invention is intended to embrace all such alternatives, modifications, and variations as fall within the scope of the claims, together with all equivalents thereof.

[0057] What has been described above includes examples of the claimed subject matter. It is, of course, not possible to describe every conceivable combination of components or methodologies for purposes of describing the claimed subject matter, but one of ordinary skill in the art may recognize that many further combinations and permutations of the claimed subject matter are possible. Accordingly, the claimed subject matter is intended to embrace all such alterations, modifications and variations that fall within the spirit and scope of the appended claims.

Furthermore, to the extent that the term “includes” is used in either the detailed description or the claims, such term is intended to be inclusive in a manner similar to the term “comprising” as “comprising” is interpreted when employed as a transitional word in a claim.

Claims

1. A cooling pillow device comprising: a body comprised of a first half comprised of a first cavity and a first fastener and a second half comprised of a second cavity and a second fastener; and a bladder positioned between the first half and the second half within the first cavity and the second cavity such that the bladder is encased in the body, wherein the bladder configured to hold a cooling compound.
2. The cooling pillow device of claim 1 further comprised of a compound comprised of an ice or a water.
3. The cooling pillow device of claim 1, wherein the body is comprised of a waterproof material.
4. The cooling pillow device of claim 1, wherein the body is comprised of an insulation layer.
5. A cooling pillow device comprising: a body comprised of a first half comprised of a first cavity and a first fastener and a second half comprised of a second cavity and a second fastener; and a bladder positioned between the first half and the second half within the first cavity and the second cavity such that the bladder is encased in the body, wherein the bladder is configured to hold a cooling compound, and further wherein the bladder is comprised of an opening and a cap.
6. The cooling pillow device of claim 5 further comprised of a compound comprised of an ice or a water.
7. The cooling pillow device of claim 5, wherein the body is comprised of an insulation layer.
8. The cooling pillow device of claim 5, wherein the body is comprised of a breathable textile layer.
9. The cooling pillow device of claim 8, wherein the breathable textile layer is comprised of a polyurethane coating.
10. A cooling pillow device comprising: a body comprised of a first half comprised of a first cavity and a first fastener and a second half comprised of a second cavity and a second fastener; a bladder positioned between the first half and the second half within the first cavity and the second cavity such that the bladder is encased in the body, wherein the bladder is configured to hold a cooling compound, and further wherein the bladder is comprised of an opening and a cap having a lock.
11. The cooling pillow device of claim 10 further comprised of a compound comprised of an ice or a water.

- 12.** The cooling pillow device of claim 10, wherein the first fastener and the second fastener are comprised of a pair of reciprocating fasteners.
- 13.** The cooling pillow device of claim 12, wherein the first fastener is comprised of a hook fastener.
- 14.** The cooling pillow device of claim 12, wherein the first fastener is comprised of a loop fastener.
- 15.** The cooling pillow device of claim 10, wherein the bladder is comprised of an insulating outer layer.
- 16.** The cooling pillow device of claim 15, wherein the outer layer is comprised of a reflective thermal barrier.
- 17.** The cooling pillow device of claim 10, further comprised of a pillowcase.
- 18.** The cooling pillow device of claim 17, wherein the pillowcase is comprised of a moisture-wicking layer.
- 19.** The cooling pillow device of claim 17, wherein the pillowcase is comprised of a thermal-reflective inner lining.
- 20.** The cooling pillow device of claim 17, wherein the pillowcase is comprised of an anti-microbial and anti-odor treatment layer.
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