



US 20140173804A1

(19) **United States**

(12) **Patent Application Publication**
Matos

(10) **Pub. No.: US 2014/0173804 A1**

(43) **Pub. Date: Jun. 26, 2014**

(54) **GLOVE SECURITY KIT**

(71) Applicant: **Eduardo Matos**, North Bergen, NJ (US)

(72) Inventor: **Eduardo Matos**, North Bergen, NJ (US)

(21) Appl. No.: **14/079,291**

(22) Filed: **Nov. 13, 2013**

Related U.S. Application Data

(60) Provisional application No. 61/796,551, filed on Nov. 14, 2012.

Publication Classification

(51) **Int. Cl.**
A41D 19/00 (2006.01)
A45F 5/02 (2006.01)

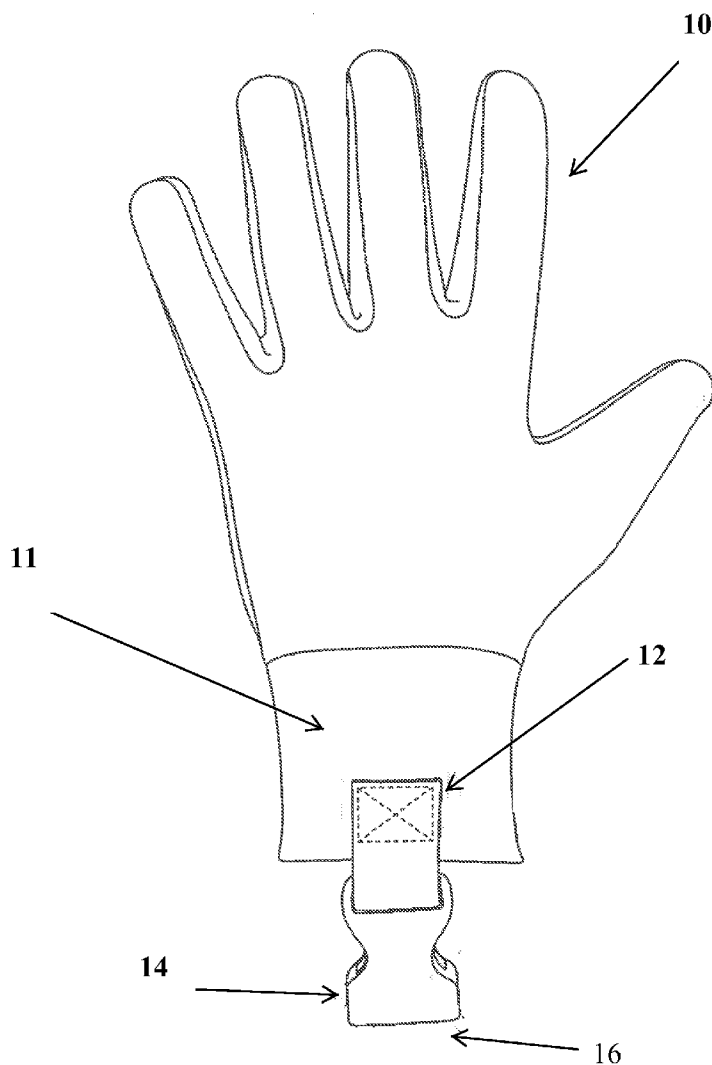
(52) **U.S. Cl.**

CPC **A41D 19/0034** (2013.01); **A45F 5/02** (2013.01)

USPC **2/158; 2/159; 24/3.12**

(57) **ABSTRACT**

A glove securing kit which includes: pair of hand-covering garments with female buckles permanently attached to the gloves; a strap where each end has a male buckle which works in conjunction with the female buckle of the gloves; a nonremovable strap clip; strap extension adaptors which lengthen the strap; connectors which provide the ability to use other gloves through a clamp positioned on one end of the connector; a hook clip which can slide onto the strap vertically or horizontally; and a removable strap clip that can be inserted vertically into the strap.



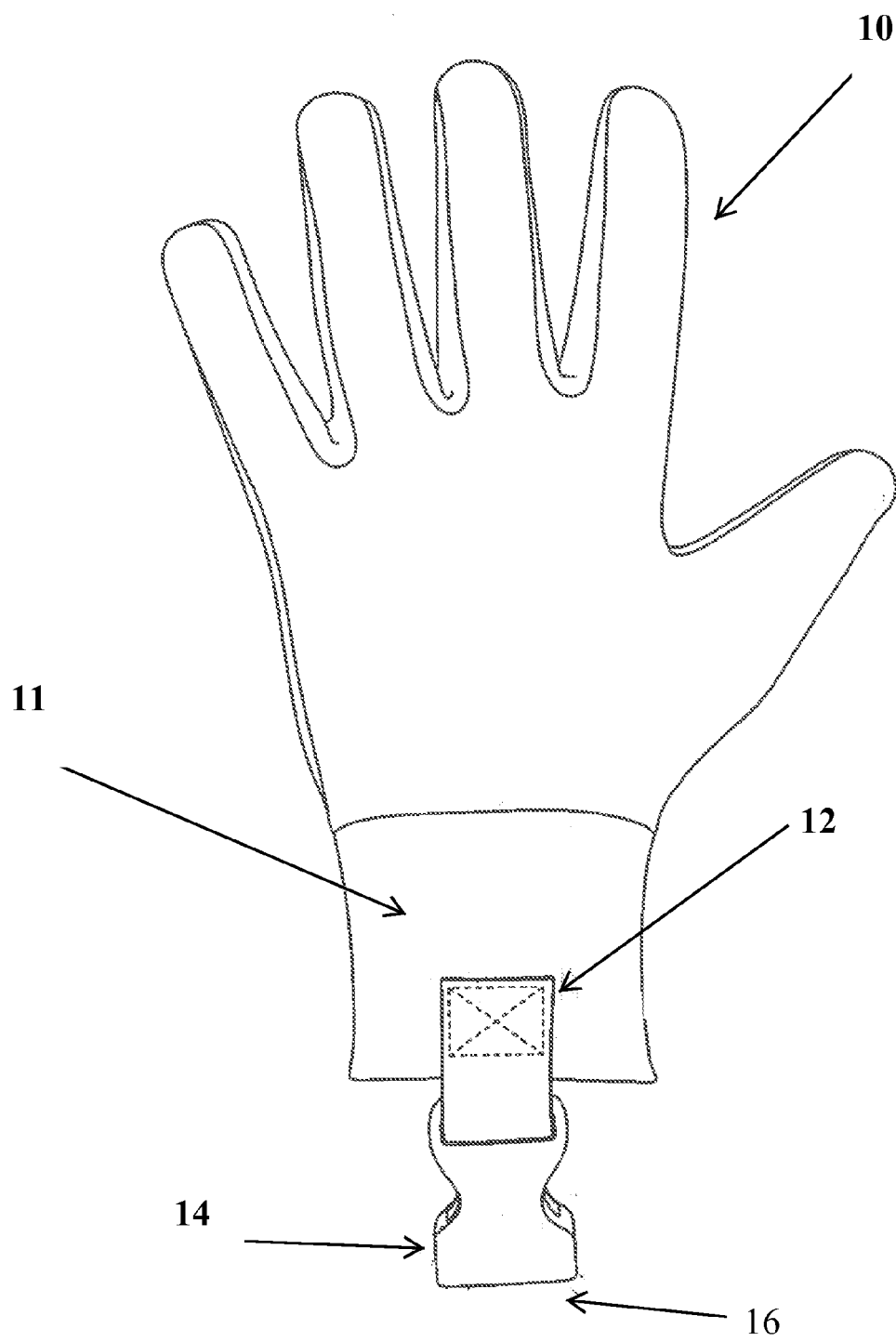


FIGURE 1

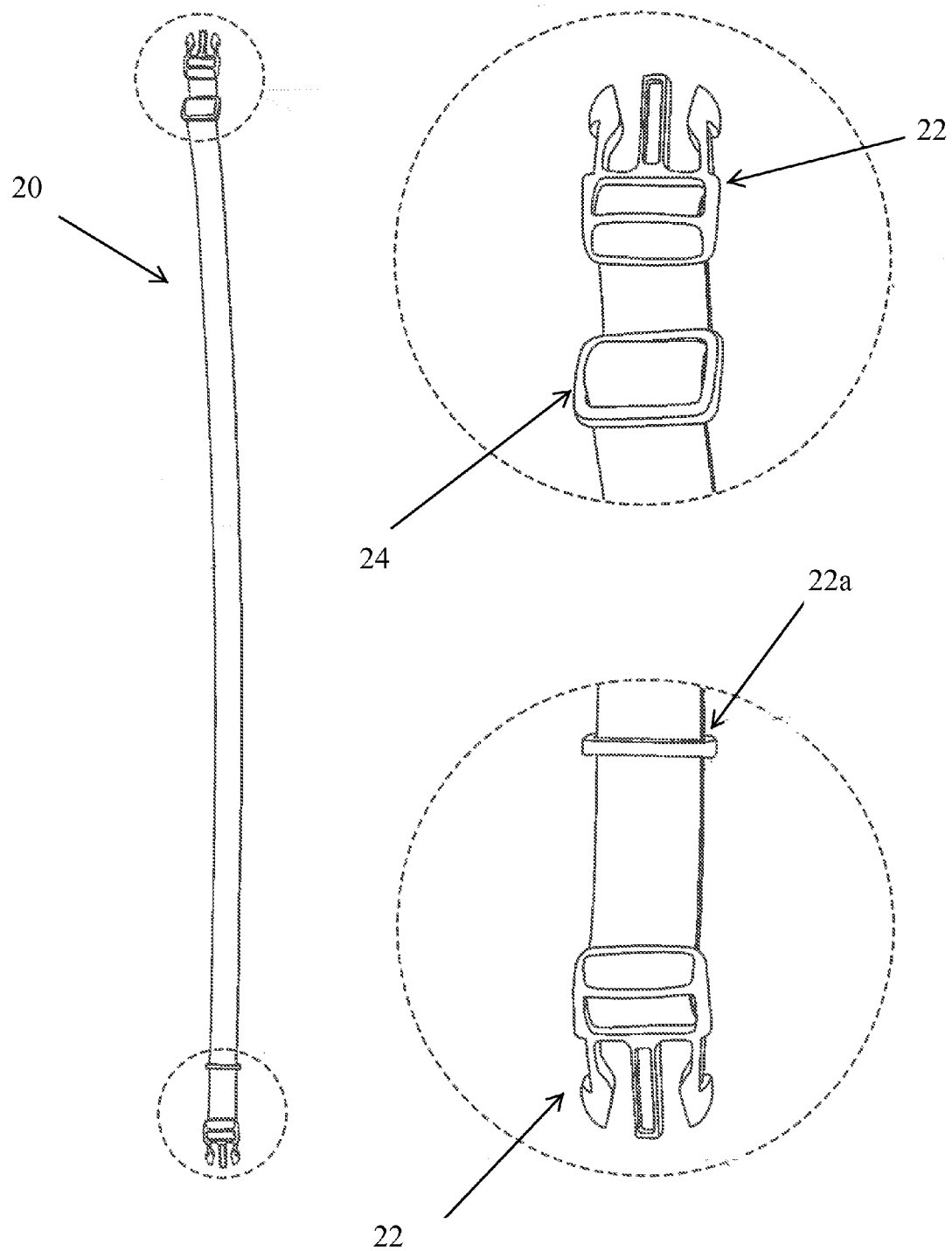


FIGURE 2

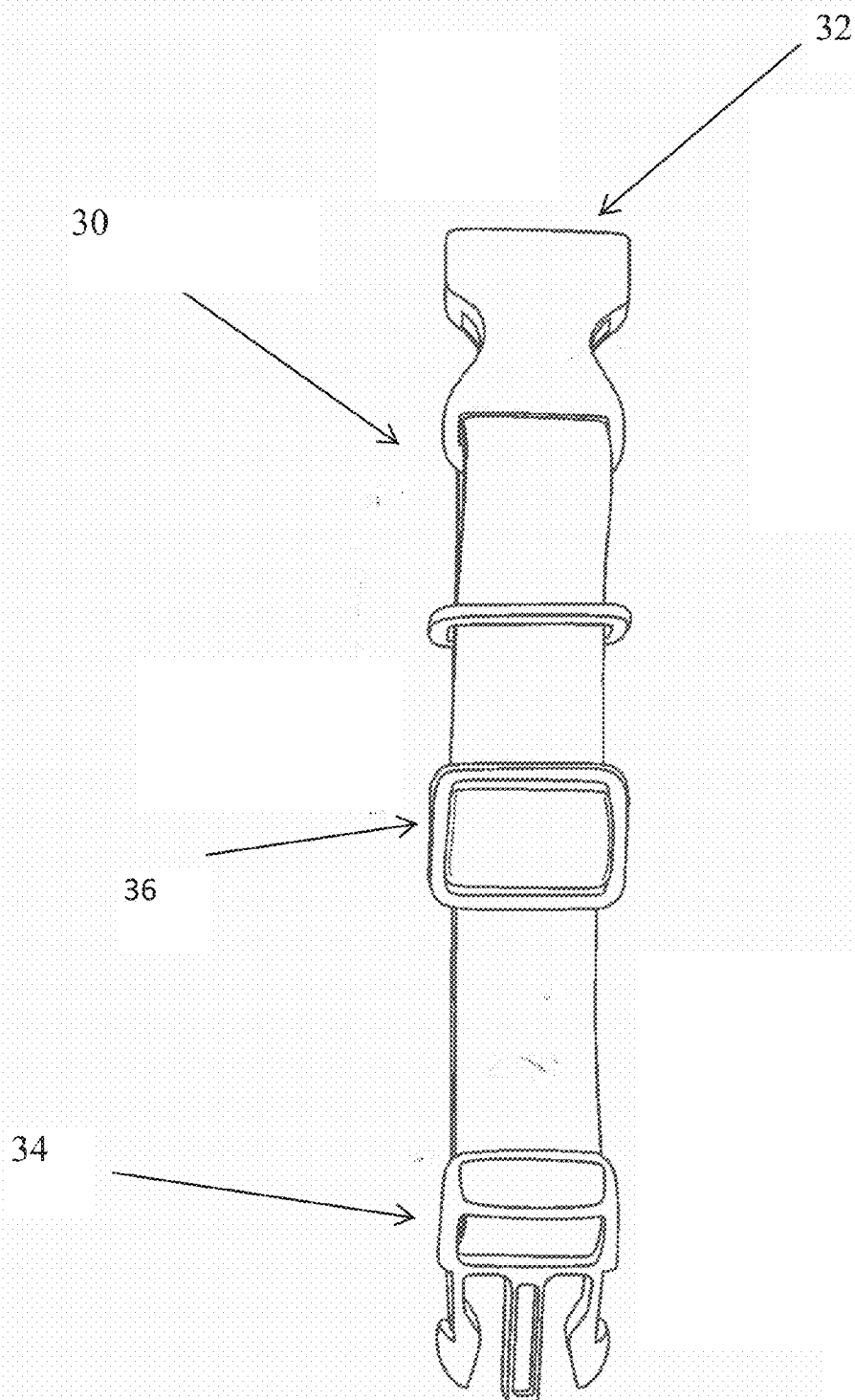


FIGURE 3

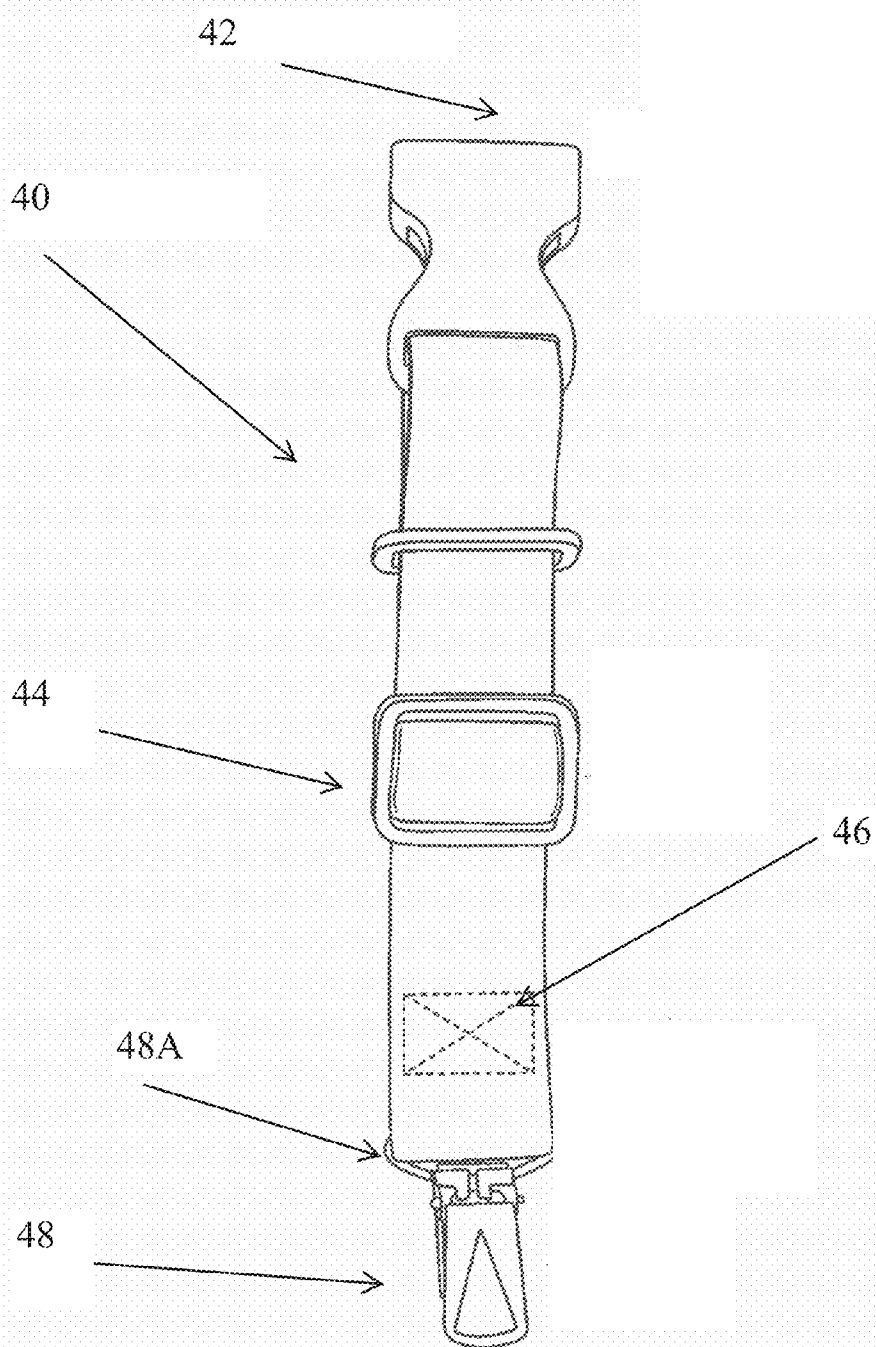


FIGURE 4

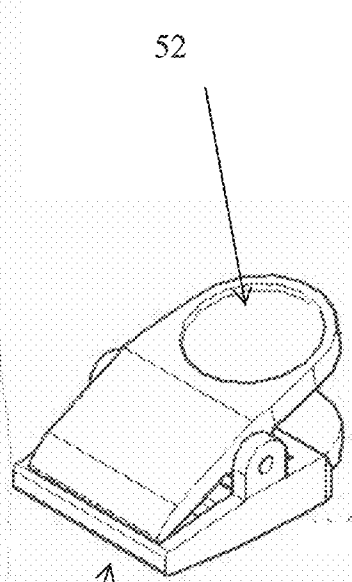


FIGURE 5

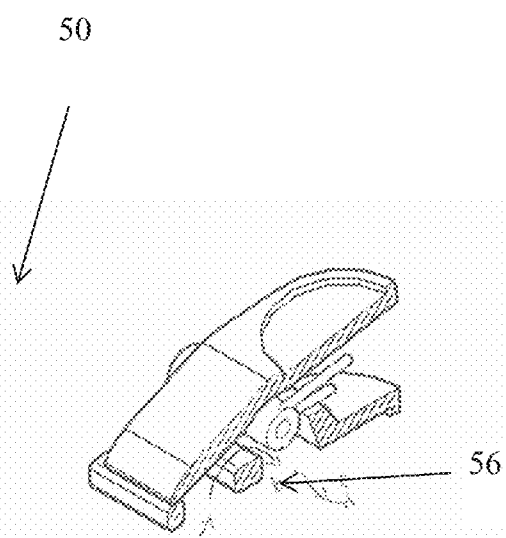
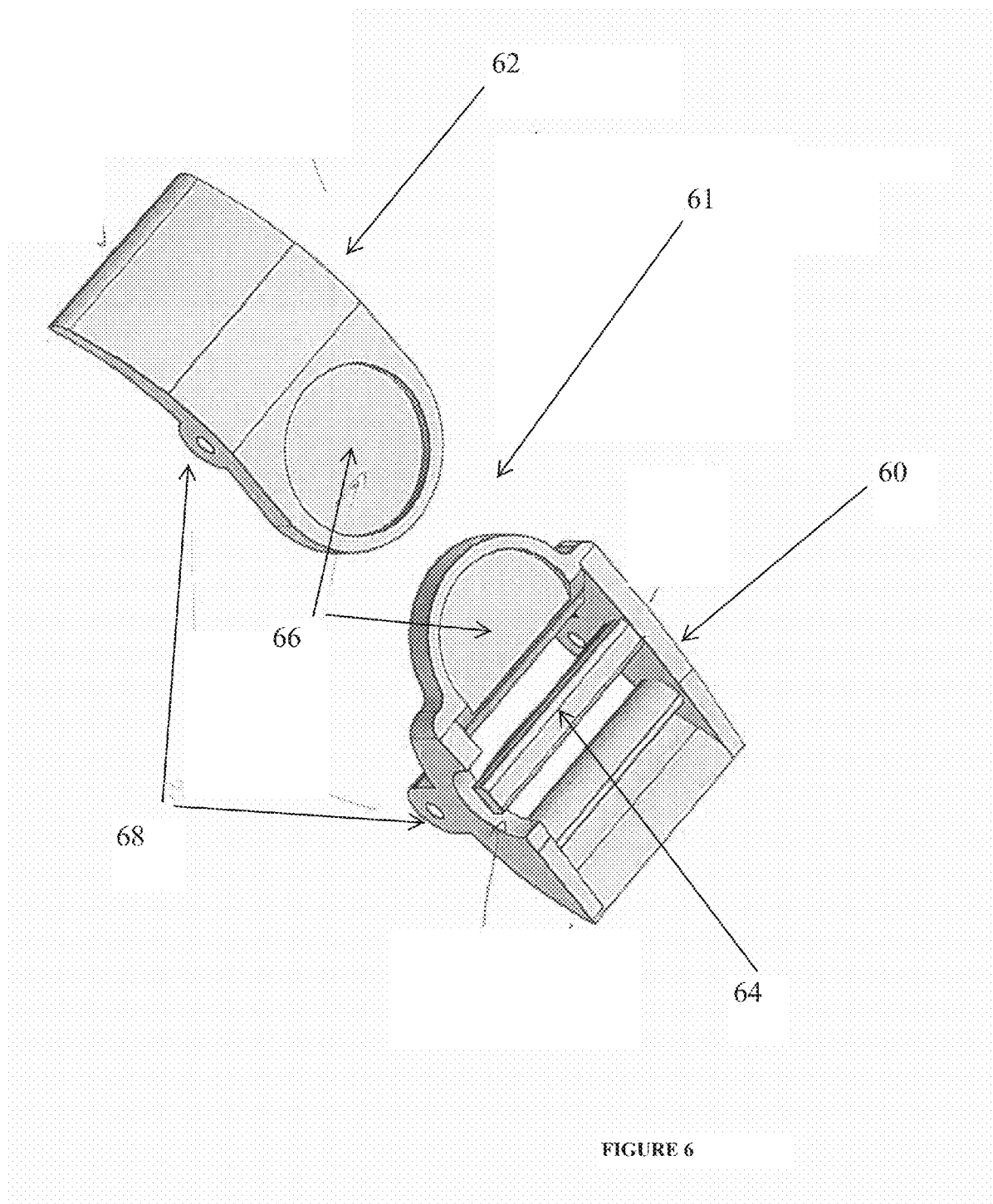


FIGURE 5A



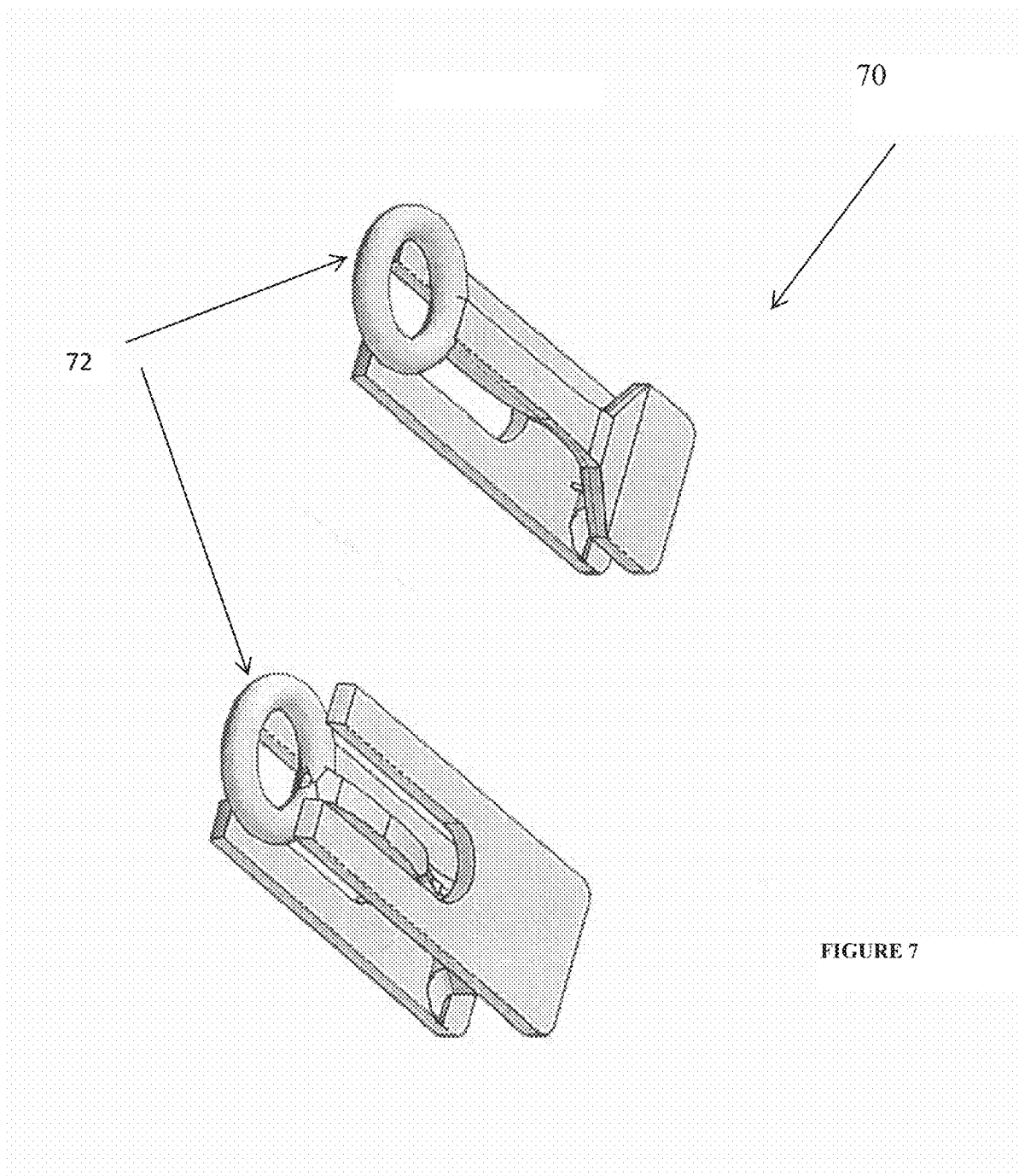


FIGURE 7

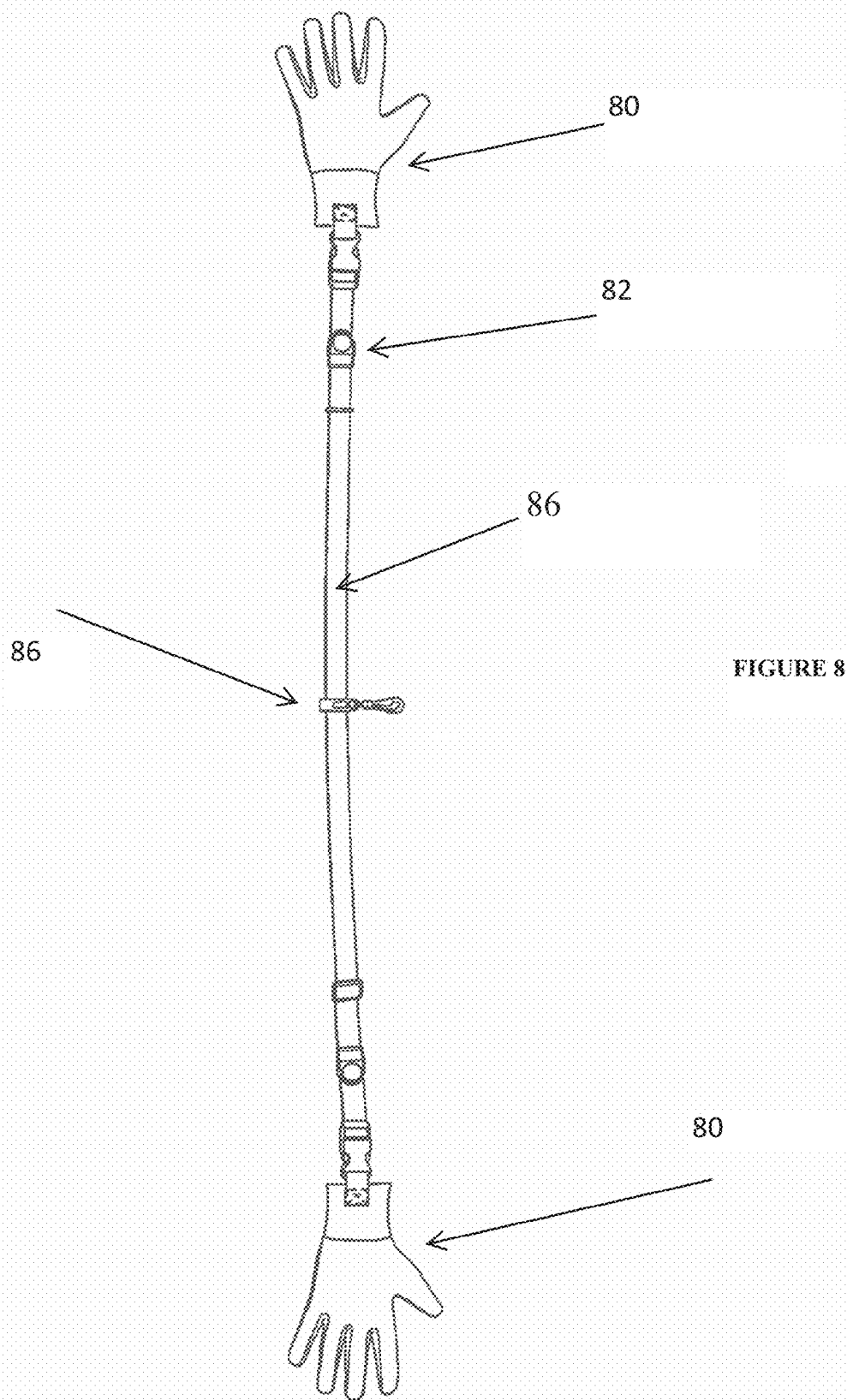


FIGURE 8

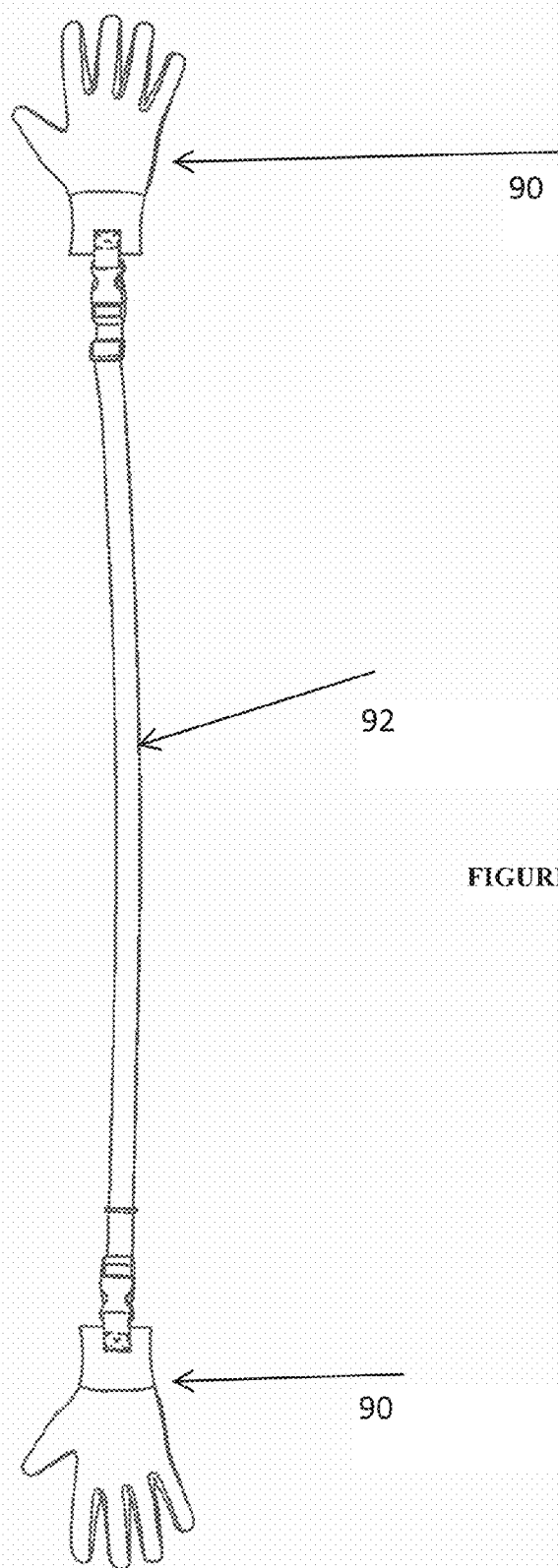
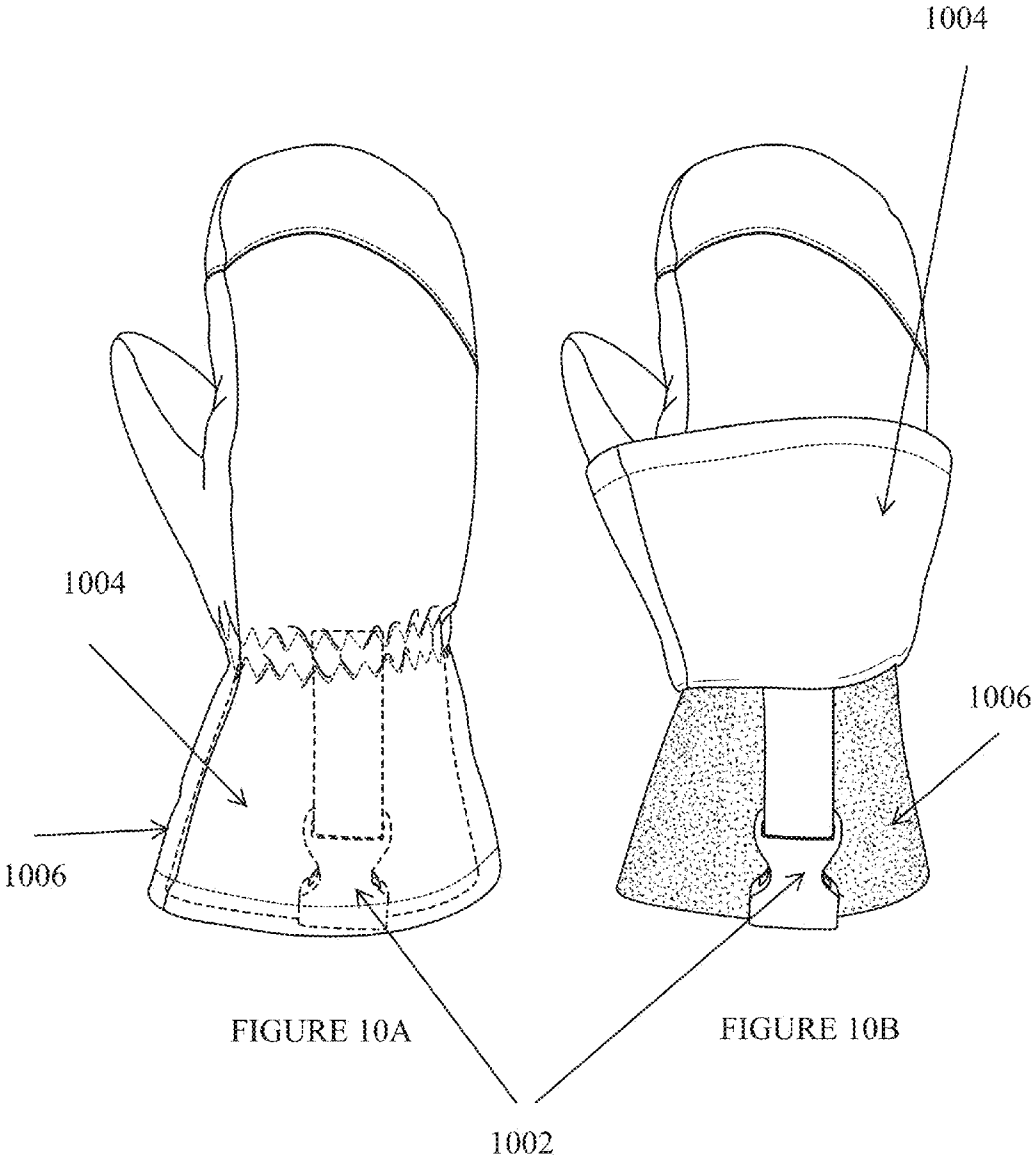


FIGURE 9



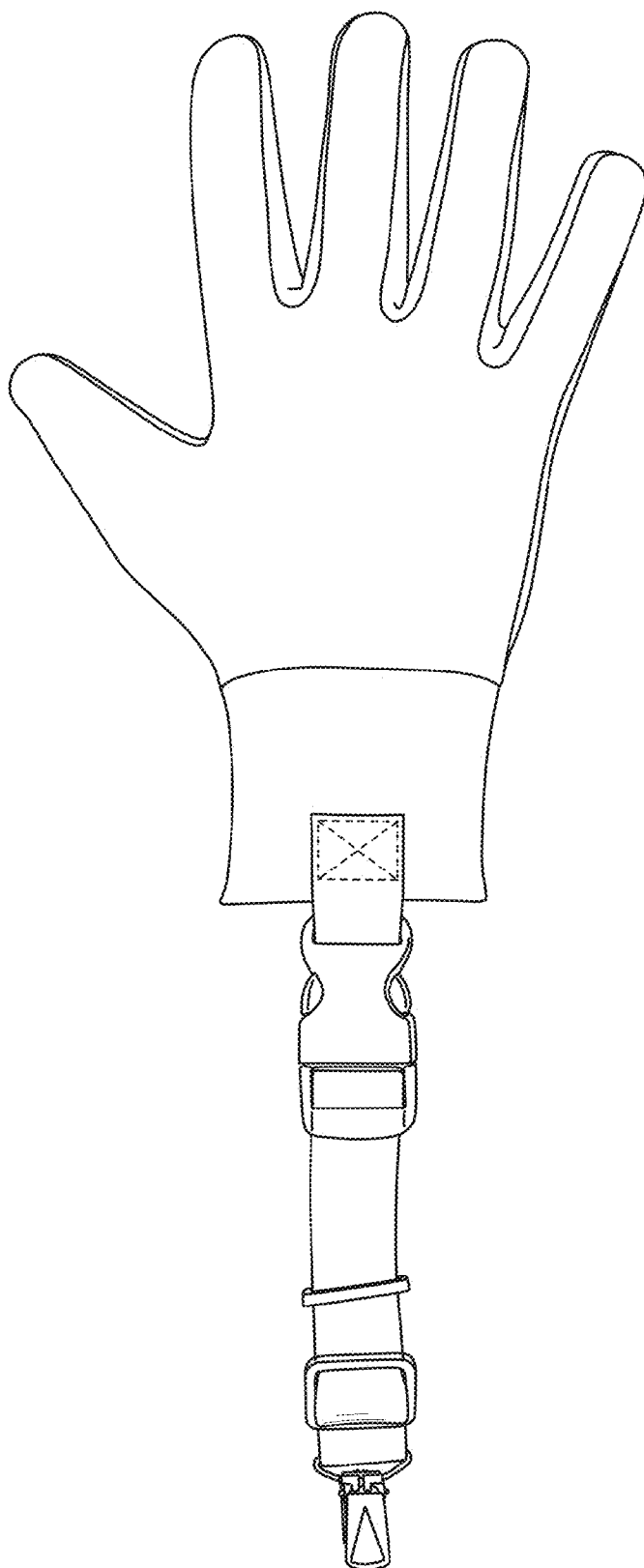
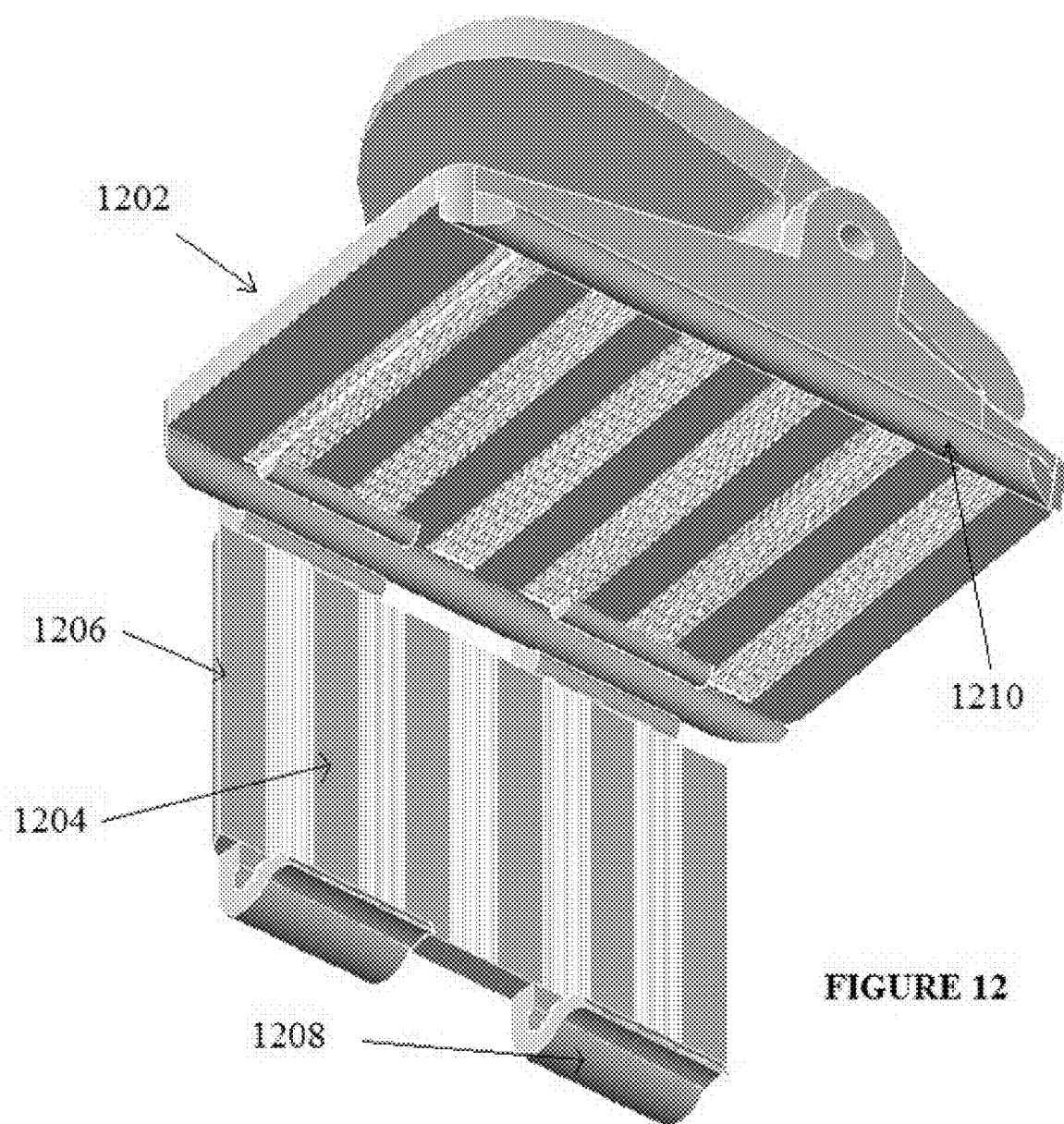


FIGURE 11



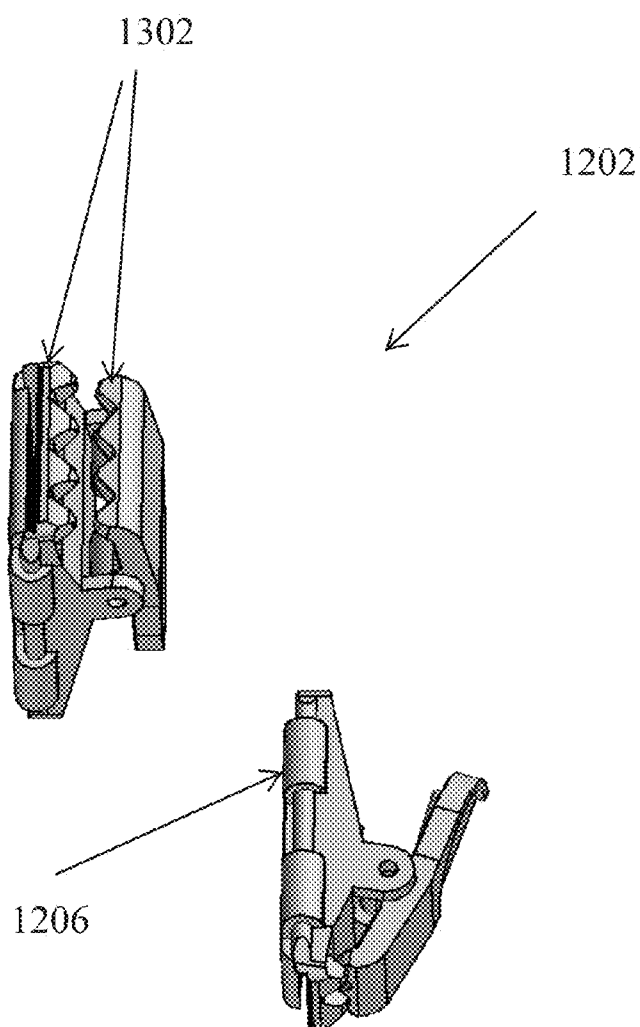
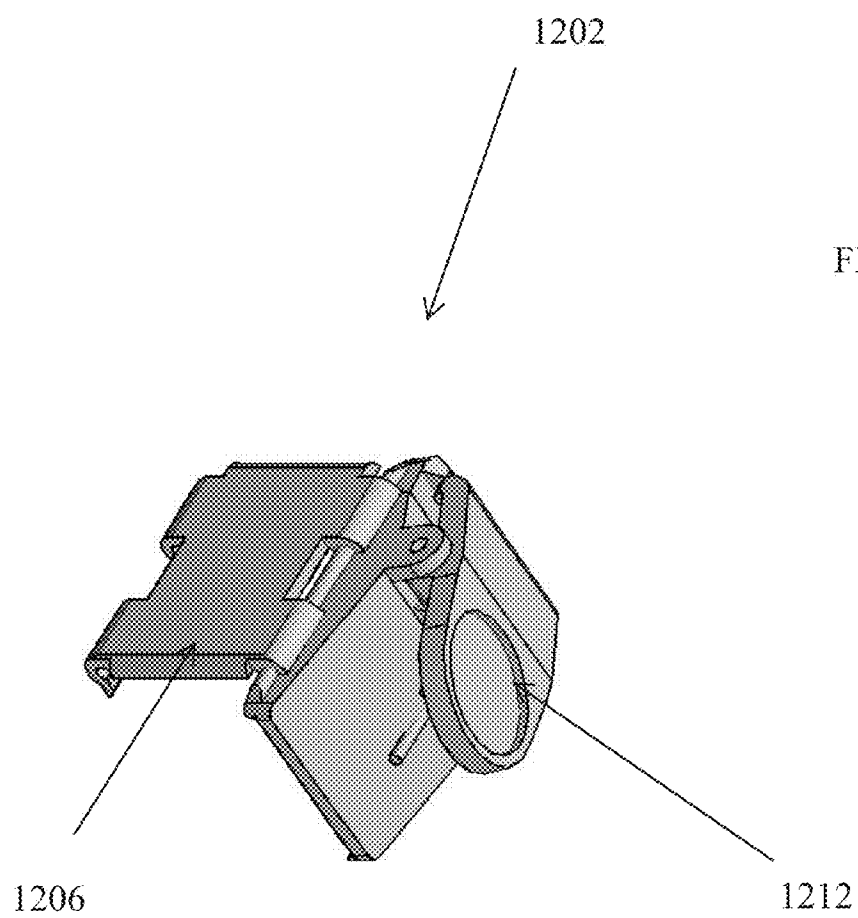


FIGURE 13



GLOVE SECURITY KIT

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application claims the benefit of priority of U.S. Provisional Application No. 61/796,551 filed Nov. 14, 2012, the disclosure of which is incorporated herein by reference in its entirety for any purpose whatsoever.

BACKGROUND

Field of the Disclosed Embodiments

[0002] The present disclosure relates to a glove kit that provides the components necessary to secure gloves to be within a person's control.

BACKGROUND OF THE DISCLOSURE

[0003] It is difficult to keep track of a pair of gloves or other hand-covering garment when it is not being actively worn. As loose articles, a pair of gloves is yet another thing the average person has to constantly keep track of while on the run or in cooler temperatures.

[0004] Traditional glove holding devices that require the user to wear a belt or a specific article of clothing such as pants on which the device is attached. Other conventional methods of providing glove security require the individual to carry around the same pair of gloves or mittens or wear a specific article of clothing that come with the hand-coverings attached which ultimately limits an individual's appearance or types of uses.

[0005] The present disclosure is an improvement on conventional uses, such as U.S. Publication No. 20090178175, entitled, Glove Holder with Sheath, because the present invention does not require the person to wear a belt to utilize the invention. The present disclosure allows for the security of one's gloves without requiring the user to wear a belt or specific articles of clothing.

[0006] The present disclosure, unlike U.S. Publication No. US 20040172735, entitled, Glove Hanging Device which limits a person to using a specific glove, allows the individual to choose whatever pair of gloves or hand-covering garment to use. The present application allows the individual to choose their gloves based on fashion, activity or occasion.

[0007] In addition, the present disclosure is an improvement on U.S. Pat. No. 6,253,381, entitled, Wearing Apparel with Mittens or Gloves in the Sleeves, and U.S. Pat. No. 7,653,949, entitled, Mitten-Sleeve Combination for a Winter Garment in that there is a need for a kit that doesn't limit the person to a particular garment to take advantage of the present disclosure's glove securing system. The present application allows the individual to wear the outfit of his or her choice and still have a method of securing the gloves.

[0008] There is a need for a kit that can be modified so that the individual can choose the type of glove depending on activity, personal style or specific occasion without limitations.

SUMMARY OF THE DISCLOSED EMBODIMENTS

[0009] In general, in a first aspect, the disclosure features a glove securing kit which is comprised of a pair of gloves or hand-covering garments where a female buckle is permanently attached to a selected portion of each of the gloves. The

kit includes a strap with opposing ends. Each end has a male buckle which works in conjunction with the female buckle of the gloves. The strap also includes a strap clip which is non-removable. This strap clip provides further security to an individual for other important items. The strap clip can be clipped onto virtually any article of clothing or textile. The kit also includes strap extension adaptors which can lengthen the strap. One end of the strap extension adapter includes a male extension adaptor which works in conjunction with the female buckle of the gloves. The other end of the strap extension adapter includes a female extension adaptor which works in conjunction with the male buckle of the strap. The kit also includes connectors which provide the ability to use other gloves, mittens or hand covering garments. The connectors are equipped with opposing ends. One end of the connector includes a female receiving end that attaches to the male buckle of the strap and an opposite end which is comprised of a clamp. The clamp enables an individual to use the strap in connection with other gloves, mittens, or hand-covering garments and not the gloves included in the kit. The kit also includes a hook clip. The hook clip can slide onto the strap vertically or horizontally. Lastly, the kit includes a strap clip that can be inserted vertically into the strap clip.

BRIEF DESCRIPTION OF THE FIGURES

[0010] FIG. 1 is an illustrative view of a female buckle attached to a left-hand glove;

[0011] FIG. 2 is an illustrative view of a strap with a male buckle at each end;

[0012] FIG. 3 is an illustrative view of a strap extension adapter with a female buckle on one end and a male buckle on the opposite end;

[0013] FIG. 4 is an illustrative view of a connector;

[0014] FIG. 5 is an illustrative view of a strap clip, which can be wedged onto the strap;

[0015] FIG. 5A is a cross sectional view of the strap clip;

[0016] FIG. 6 is an illustrative view of the two disjointed pieces of a non-removable strap clip.

[0017] FIG. 7 is an illustrative view of two versions of a hook clip.

[0018] FIG. 8 is an illustrative view of a pair of gloves connected to the strap with the nonremovable strap clip, the strap clip and the hook clip affixed to the strap.

[0019] FIG. 9 is an illustrative view of the strap affixed to a pair of gloves without the nonremovable strap clip affixed to the strap.

[0020] FIG. 10A is an illustrative view of another embodiment of the glove.

[0021] FIG. 10B is an illustrative view of another embodiment of the glove.

[0022] FIG. 11 is an illustrative view of the connector attached to the glove.

[0023] FIG. 12 is an illustrative view of another embodiment of the strap clip.

[0024] FIG. 13 is a side view of FIG. 12.

[0025] FIG. 14 is a top view of FIG. 12.

DETAILED DESCRIPTION OF THE DISCLOSED EMBODIMENTS

[0026] The glove security kit includes a pair of gloves. The left hand to of a pair of gloves included in the kit is shown in FIG. 1. The left hand glove has a female buckle 14 with a

receiving end 16. The female buckle 14 is attached to the glove to via a woven strip 12 sewn to the back portion 11 of the glove 10.

[0027] The strap 20 shown in FIG. 2 attaches to the gloves by inserting either of the male buckles 22 into the receiving end 16 (as shown in FIG. 1) of the female buckle 14 of the glove. Similarly, the right side of the pair of gloves (not shown) would attach to the strap in the same manner. As shown in FIG. 2, the strap 20 includes a slide piece 24 that slides across the strap to adjust its length, and the strap is secured by weaving the strap through the slide piece 24 and the strap fastener or loop 22a. In another embodiment, the strap does not have to include the strap fastener or loop 22a or the slide piece 24. The strap can be of any width.

[0028] FIG. 3 shows a strap extension adaptor 30. The strap extension adaptor 30 is configured with a male strap extension adaptor 34 on the terminal end and a female strap extension adaptor 32 on the proximal end. The male strap extension adaptor 34 is compatible with the female buckle 14 of the glove 10. The female strap extension adaptor 32 is compatible with the male buckles 22 of the strap 20. A rigid slide 36 adjusts the length of the strap extension adaptor. In another embodiment the strap extension adaptor can be non-adjustable.

[0029] FIG. 4 shows a connector 40 with a female buckle on one end 42 that is compatible with the male buckle of the strap 22 and a clamp 48 on the opposite end. The clamp 48 is attached to the connector via a woven strip looped through 48A and sewn or affixed at 46. The connector 40 allows an individual to use any hand-covering garment that is not included in the kit in place of the glove. The female connector buckle 42 attaches to the male strap buckle 22 and adjusts in length through a rigid slide piece 44. The strap shown attaches to the connector 40 by inserting either of the male buckles 22 into the receiving end of the female buckle 42 of the glove. In another embodiment the connector can be non-adjustable.

[0030] FIG. 5 shows the nonremovable strap clip 50 that is attachable to the strap 20. The nonremovable strap clip 50 has an ergonomic design by which an individual's thumb can be placed on the circular area 52 of the nonremovable clip. The nonremovable strap clip 50 is comprised of a receiving end 54 which can be clamped down on article of clothing or other items an individual wishes to carry. A cross sectional view in FIG. 5A is also shown. The strap 20 of the kit is slid over and under the horizontal rod 56 which makes up the underside of the nonremovable strap clip 50. This method of feeding the strap over and under the horizontal rod 56 secures the strap 20 as it wraps around the horizontal rod 56. The nonremovable strap clip 50 comes attached to the strap within the kit and is not removable from the strap 20. In another embodiment, the strap clip may be designed such that the strap can be fed vertically on to a horizontal rod through an opening exposed on the side of the hook clip. In another embodiment, the nonremovable strap clip 50 can be removable.

[0031] As shown in FIG. 6, the removable strap clip 61 is in two disjointed pieces. The removable strap clip 61 in FIG. 6 consists of a bottom piece 60 connected to a top piece 62 at a hinge 68. The bottom piece includes a horizontal bar 64 that spans the length of the piece. The bar is unattached at one end such that the strap 20 is fed vertically over the horizontal bar 64. This method of sliding the strap over the horizontal bar 64 secures the strap 20 as it wraps around the horizontal bar 64. In this manner, the strap clip 61 is removable from the strap 20. The top piece of the strap clip 61 has a circular inset 66 for

placement for the thumb (or another finger) when engaging the hinge. In another embodiment, the strap clip may be designed such to enable the strap to be fed over and under a horizontal bar located on the underside of the strap clip. In another embodiment, the removable strap clip 61 can be nonremovable.

[0032] FIG. 7 shows a hook clip 70 that can slip over the strap 20. The strap is secured to the hook clip when the clip is slipped over the strap. The hook clip can then be used to secure the kit to a coat hook or other mechanism. In another embodiment, the circular loop 72 is a carabineer or other hooking device. The hook clip 70 is removable. In another embodiment, the hook clip 70 can be nonremovable.

[0033] FIG. 8 shows all the component of the kit where the pair of gloves 80 is connected to the strap 84 with the nonremovable strap clip 82 and the hook clip 86 affixed to the strap. In another embodiment, the kit can include various combinations of the components. In addition, the components can be sold separately and combined as per an individuals needs and fashionable desires.

FIG. 9 shows a very basic embodiment where the pair of gloves 90 is connected to the strap 92 without the nonremovable strap clip affixed to the strap.

[0034] In another embodiment, as shown in FIG. 10A, the female buckle 1002 (or male buckle in another embodiment not shown) can be hidden from view. The female buckle 1002 can be sewn or attached to the inner lining 1006 of the glove. Accordingly, as shown in FIG. 10A, the female buckle 1002 is shown hidden by the outside flap 1004 of the glove. In FIG. 10B, the outside flap 1004 is shown in an upward position thereby exposing the female buckle 1002. In another embodiment the buckle can be sewn or attached in between the outer and inner layer/lining of the sleeve or cuff of the glove or mitten. FIG. 11 is an illustrative view of the connector (as shown in FIG. 4) attached to the glove.

[0035] FIG. 12 is another embodiment of a strap clip. The strap clip 1202 includes an interior space 1204 which receives a strap. Once a strap is inserted into the interior space 1204, a hinged piece 1206 is closed onto the strap. The hinged piece is shown in an open position in FIG. 12. Two protruding ridges 1208 on the hinged piece 1206 connect over a horizontal bar 1210 such to secure the strap inside the interior space 1204. FIG. 13 is an alternative view of FIG. 12. In FIG. 13, the hinged piece 1206 is shown in a closed position. In addition, the clamping mechanism is shown. The clamping mechanism of the strap clip 1202 is comprised of two rows of interlocking and protruding bumps. FIG. 14 is a top view of the strap clip 1202. The hinged piece 1206 is an open position. The strap clip 1202 includes a circular inset 1212 for placement for the thumb (or another finger) when engaging the clamping mechanism.

[0036] All components of the kit that contain a rigid slide allow for that component to be lengthened or extended. All components shown, not shown or described with female buckles can be made with male buckles. Similarly, all components made with male buckles can be made with female buckles such that all the components are interchangeable with one another. The components of the kit are modular, adjustable, and multifunctional. All clips described can slide on to the strap or the strap can be fed through the clip. The hook clip and the strap clip, whether removable or nonremovable have an added feature that the clip can simultaneously also clamp on to another article of clothing or personal belonging of a person.

[0037] This components of the kit allow for the prevention of misplacing, forgetting or losing ones gloves, mittens or other article of clothing. Utilizing the kit allows for the ready accessibility of a persons gloves, mittens, articles of clothing or personal items. The hand covering garments can be used in outdoor or indoor activities, winter or summer sports, or careers where gloves are an essential part of ones duties, such as a chef or mechanic. An individual may utilize the strap by wrapping it around their waist or carrying it over the shoulder. Once an individuals gloves are secured on the strap, the strap clips or the hook clip can attach to a persons outer garment or hung on a coat rack or attach to a backpack. The clips act as anchor points once an individuals gloves are secured. The unique design of the strap clips and hook clips allow for objects and textiles of many shapes and weights to be clamped on and secured.

[0038] The kit and its components can be used in connection with baggage, backpacks, suitcases that are equipped with the straps and clips as described above. Similarly, the kit can be used in connection with other types baggage, backpacks and suitcases. The various clips, buckles and strap can be made in any size desired. The various clips can be made of a resin, plastic, metal or aluminum material.

[0039] It is to be understood that the foregoing general description and the following detailed description are exemplary and are intended to provide further explanation of the disclosed embodiments. The accompanying drawings, which are incorporated in and constitute part of this specification, are included to illustrate and provide a further understanding of the disclosed methods and systems. Together with the description, the drawings serve to explain principles of the disclosure.

[0040] All statements herein reciting principles, aspects, and embodiments of the disclosure, as well as specific examples thereof, are intended to encompass both structural and functional equivalents thereof. Additionally, it is intended that such equivalents include both currently known equivalents as well as equivalents developed in the future, i.e., any elements developed that perform the same function, regardless of structure.

[0041] In the disclosure hereof any element expressed as a means for performing a specified function is intended to encompass any way of performing that function. Applicants thus regard any means which can provide those functionalities as equivalent to those shown herein. It is intended that the present disclosure include modifications and variations that are within the scope of the subject disclosure and equivalents.

What is claimed is:

1. A glove securing kit, comprising:

a pair of hand-covering garments, wherein a female buckle is permanently attached to a selected portion of each of the pair of hand-covering garments;

a strap with opposing ends; said opposing ends comprised of a male buckle; said strap configured with a nonremovable strap clip;

at least one strap extension adaptor configured with opposing ends;

wherein the first opposing end is configured with a male buckle and the second opposing end is configured with a female buckle, the male buckle is configured to be compatible with the female buckle of the pair of hand covering garments and the female buckle is configured to be compatible with the male buckle of the strap;

at least one connector with opposing ends; wherein a first opposing end is comprised of a female receiving end that is configured to attach to the male buckle of the strap and a second opposing end is comprised of a clamp; said clamp configured to attach to additional hand-covering garments;

at least one hook clip, wherein the underside portion of the hook clip is configured to accept the strap vertically or horizontally; and

a removable strap clip wherein the strap is inserted vertically into the strap.

2. The kit of claim 1, wherein the hand-covering garment is a glove.

3. The kit of claim 1, wherein the hand-covering garment is a mitten.

4. The kit of claim 1, wherein the at least one connector further comprises a first opposing end configured with a male receiving end that is configured to attach to the female buckle of the strap.

5. The kit of claim 1, wherein the strap is comprised of at least one of fabric, leather and elastic material.

6. The kit of claim 1, wherein the opposing ends of the strap is comprised of female buckles.

7. The kit of claim 1, further comprising at least one pair of hand-covering garments wherein a male buckle is permanently attached to a selected portion of the at least one pair of hand-covering garments.

8. The kit of claim 1, wherein the at least one hook clip is adapted and configured to receive a strap horizontally through the underside of the hook clip.

9. The kit of claim 1, wherein the at least one hook clip is adapted and configured to receive a strap vertically through the side opening of the at least one hook clip.

10. The kit of claim 1, wherein the strap is adjustable.

11. The kit of claim 1, wherein the at least one strap clip is configured to receive the strap horizontally through the underside of the at least one strap clip.

12. The kit of claim 1, wherein the at least one strap clip is configured to receive the strap vertically through the side opening of the at least one strap clip.

13. The kit of claim 1, wherein the strap includes a slide piece and a loop.

14. The kit of claim 1, wherein the removable strap clip can be nonremovable from the strap.

15. The kit of claim 1, wherein the nonremovable strap clip can be removable from the strap.

14. A clip comprising:

a bottom piece,

a top piece,

said bottom piece and top piece connected at a hinge;

said bottom piece including at least one horizontal bar spanning the length of the underside of the bottom piece;

the at least one horizontal bar configured to receive a strap horizontally over the at least one horizontal bar such to provide a securing mechanism for the strap.

15. The clip of claim 14, wherein the horizontal bar is terminating at an opening on the side portion of the bottom piece such to receive a strap vertically.

16. The clip in claim 14, wherein the bottom piece and the top piece comprise a circular inset for the finger of an individual to be placed upon.

17. A strap clip, including:

a bottom piece and a top piece connected by a hinge;

the bottom piece configured with a first row of alternating protruding bumps and with a hinged piece which can open to expose an interior space for receiving a strap;

the top piece comprised of a second row of alternating protruding bumps and with a protruding horizontal ridge;

the hinged piece comprised of two protruding pieces which connect over the protruding horizontal edges of the top piece and secure the bottom piece to the top piece;

the first row of protruding bumps and the second row of alternating protruding bumps further configured to interlock and form a clamping mechanism.

18. The strap clip of claim 17, wherein the top piece further comprises a circular inset for the finger of an individual to be placed upon to engage the interlocking clamping mechanism formed by the first and second rows of alternating protruding bumps on the top and bottom piece.

* * * * *