



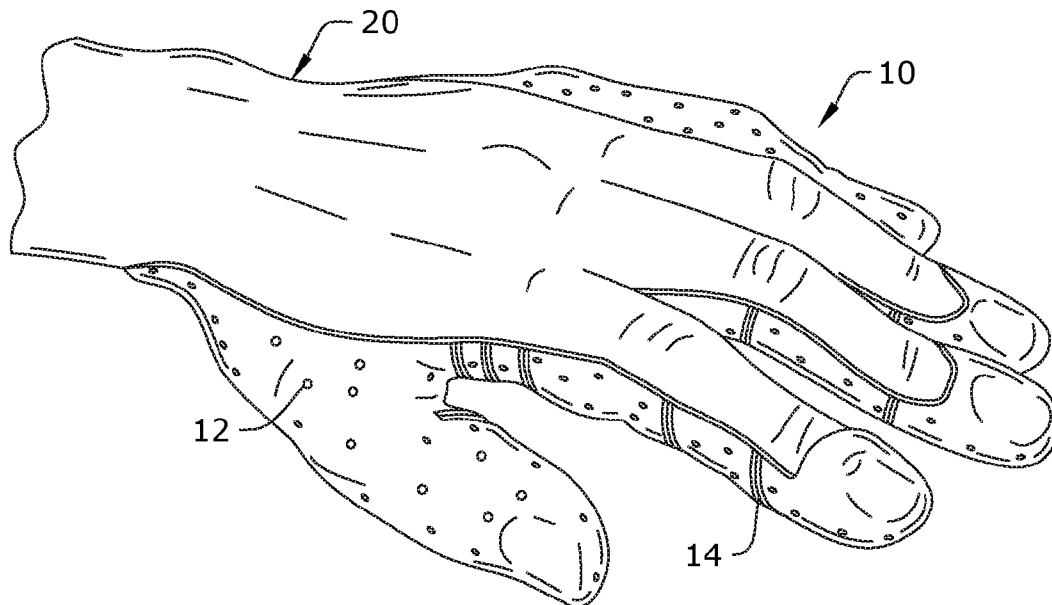
US 20160324227A1

(19) **United States**(12) **Patent Application Publication**
Bowen et al.(10) **Pub. No.: US 2016/0324227 A1**(43) **Pub. Date: Nov. 10, 2016**(54) **SANTIZING PALM GLOVE***A41D 27/28* (2006.01)*A41D 19/00* (2006.01)*A41D 19/015* (2006.01)(71) Applicants: **David Bowen**, Miami, FL (US);
Ananias Bowen, Brooklyn, NY (US)(52) **U.S. Cl.**CPC *A41D 13/082* (2013.01); *A41D 19/0048*
(2013.01); *A41D 19/01564* (2013.01); *A41D*
27/28 (2013.01); *A41D 31/0083* (2013.01);
A41D 2400/34 (2013.01)(72) Inventors: **David Bowen**, Miami, FL (US);
Ananias Bowen, Brooklyn, NY (US)(21) Appl. No.: **15/141,982**(22) Filed: **Apr. 29, 2016****Related U.S. Application Data**(60) Provisional application No. 62/157,660, filed on May
6, 2015.**Publication Classification**(51) **Int. Cl.***A41D 13/08* (2006.01)*A41D 31/00* (2006.01)

(57)

ABSTRACT

A sanitizing palm glove is provided. The palm glove of the present invention includes a film having a rubber elasticity. The film includes an inner surface and an outer surface. The film has a palm portion formed to cover a palm of a user, a plurality of finger pockets, each sized to fit a finger of a user within, and a thumb pocket sized to fit a thumb of a user within. A disinfectant is disposed on the film.



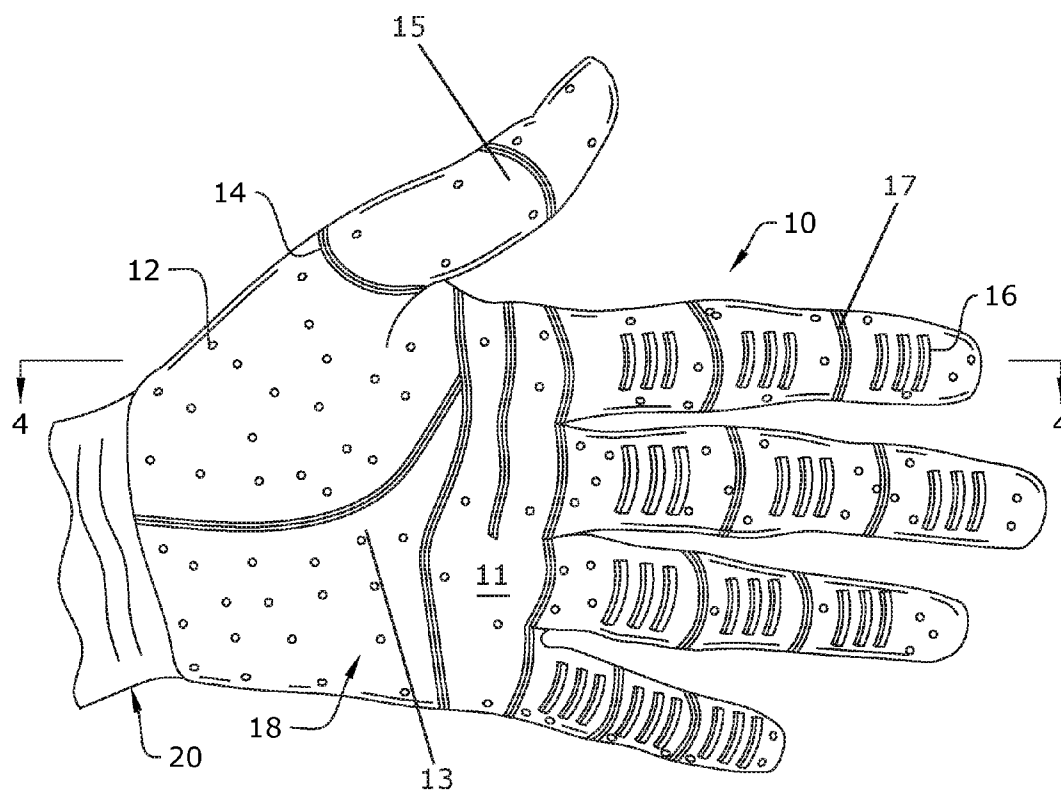
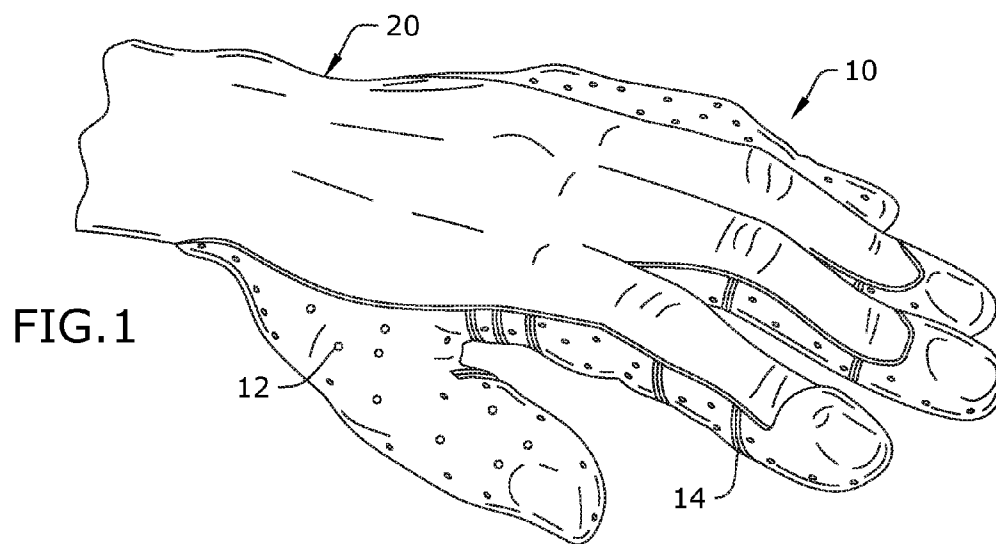


FIG.2

FIG.3

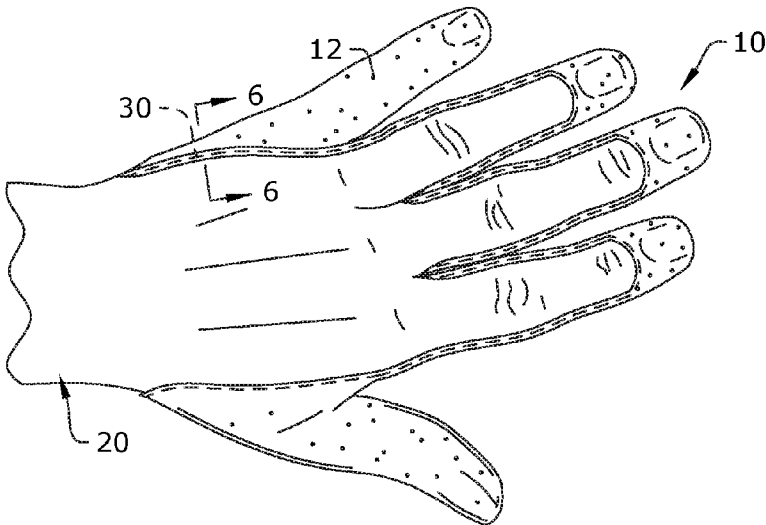


FIG.4

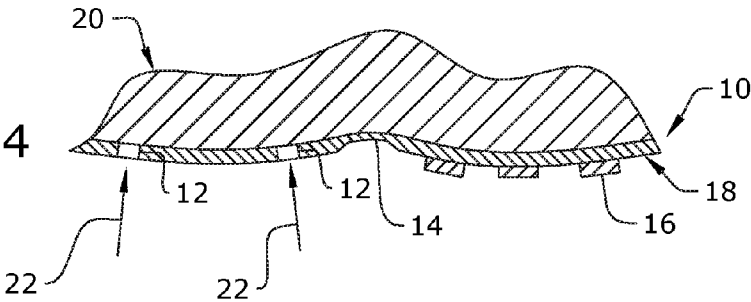


FIG.5

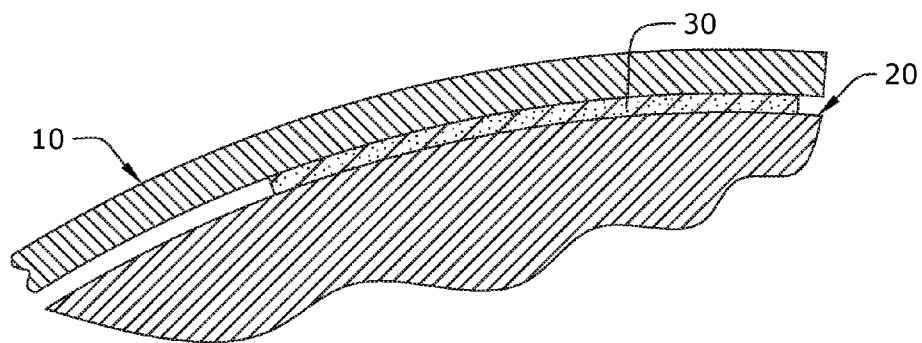
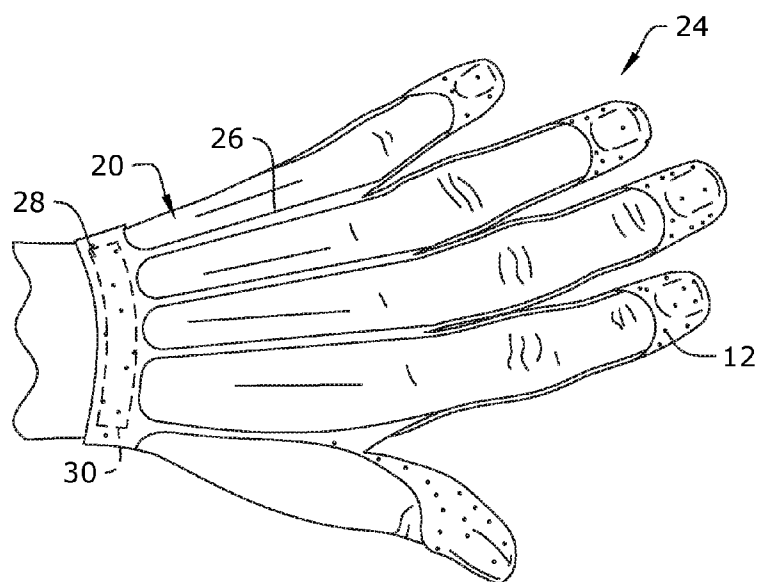


FIG.6

SANTIZING PALM GLOVE

CROSS-REFERENCE TO RELATED APPLICATION

[0001] This application claims the benefit of priority of U.S. provisional application No. 62/157,660, filed May 6, 2015, the contents of which are herein incorporated by reference.

BACKGROUND OF THE INVENTION

[0002] The present invention relates to a glove and, more particularly, to a sanitizing palm glove.

[0003] Many unknown germs and bacteria are spread through skin to surface contact, especially those in public areas (e.g. public transportation, restrooms or even buildings). Current products do not have any type of sanitizing agent that can protect an individual and sanitize the contact area at the same time. Further, certain products restrict freedom of finger, wrist and hand movement, which leaves an uncomfortable and sweaty feeling when worn for long periods of time.

[0004] As can be seen, there is a need for an improved sanitizing hand wear for protecting users from germs.

SUMMARY OF THE INVENTION

[0005] In one aspect of the present invention, a sanitizing palm glove comprises: a film comprising a rubber elasticity and having an inner surface and an outer surface, wherein the film comprises: a palm portion formed to cover a palm of a user; a plurality of finger pockets, each sized to fit a finger of a user within; and a thumb pocket sized to fit a thumb of a user within; and a disinfectant disposed on the film.

[0006] These and other features, aspects and advantages of the present invention will become better understood with reference to the following drawings, description and claims.

BRIEF DESCRIPTION OF THE DRAWINGS

[0007] FIG. 1 is a top perspective view of an embodiment of the present invention shown in use;

[0008] FIG. 2 is a bottom view of an embodiment of the present invention shown in use;

[0009] FIG. 3 is a top view of an embodiment of the present invention shown in use;

[0010] FIG. 4 is a section detail view of the present invention taken along line 4-4 in FIG. 2;

[0011] FIG. 5 is a top view of an embodiment of the present invention; and

[0012] FIG. 6 is a section detail view of the present invention taken along line 6-6 in FIG. 3.

DETAILED DESCRIPTION OF THE INVENTION

[0013] The following detailed description is of the best currently contemplated modes of carrying out exemplary embodiments of the invention. The description is not to be taken in a limiting sense, but is made merely for the purpose of illustrating the general principles of the invention, since the scope of the invention is best defined by the appended claims.

[0014] The present invention includes a sanitizing wearable glove that protects against bacteria or germs through

skin to surface contact. The present invention creates a barrier between the actual palm of the hand and the contact area. It also sanitizes the area that the present invention comes into contact with, preventing the spread of germs and harmful bacteria. The present invention may also protect consumers who do not utilize any type of protection. Further, the present invention allows full freedom of finger, wrist and hand movement eliminating the discomfort that other products have such as restriction of movement, hand-sweating and smell.

[0015] Referring to FIGS. 1 through 6, the present invention includes a sanitizing palm glove 10. The palm glove 10 of the present invention includes a film 11 having a rubber elasticity. The film 11 includes an inner surface and an outer surface. The film 11 has a palm portion 13 formed to cover a palm of a user 20, a plurality of finger pockets 17, each sized to fit a finger of a user 20 within, and a thumb pocket 15 sized to fit a thumb of a user 20 within. A disinfectant 18 is disposed on the film 11.

[0016] The film 11 of the present invention may be made of silicon, latex, neoprene or other similar elastic materials. In certain embodiments the film 11 may be made of a clear or translucent material. The film 11 may conform to a user's hand. In certain embodiments, a plurality of pores 12 may be formed through the film 11 running through the inner surface to the outer surface. The plurality of pores 12 allow air flow 22 through the palm glove 10 to the user's hand, limiting sweat and discomfort.

[0017] The outer surface of the film 11 may further include a plurality of gripping strips 16 and a plurality of creases 14. The plurality of gripping strips 16 may protrude from the outer surface of the film 11 and provide additional grip to the user 20. The creases 14 of the present invention are positioned to align with a user's hand joints. Therefore, a user 20 may freely bend their fingers and thumb without restriction and without the palm glove 10 bunching up.

[0018] As mentioned above, the disinfectant 18 of the present invention is disposed on the film 11. In certain embodiments, the disinfectant 18 may be in the form of a layer and may be disposed on the outer surface of the film 11. Therefore, anything that the palm glove 10 comes into contact with is disinfected for the next user. Further, the disinfectant 18 may be infused within the film 11. In such embodiments, the film 11 may be formed as a slurry with disinfectant evenly distributed within. The slurry may harden in a mold forming the glove 10. The disinfectant 18 may be any disinfectant or sanitizing agent that kills bacteria and other microbes.

[0019] In certain embodiments, the present invention may include an adhesive 30. The adhesive 30 may be disposed on the inner surface of the film 11. In certain embodiments, the adhesive 30 may be disposed on the palm portion 13 of the inner surface. The adhesive 30 is used to firmly attach the film 11 to the skin of a person's palm to prevent discomfort or the palm glove 10 from falling off.

[0020] As illustrated in FIGS. 1 through 3, a gap may be formed in the film 11. The gap is positioned to expose a substantial portion of a top of a user's hand when worn. As illustrated in FIGS. 4 through 6, a palm glove 24 of the present invention may further include a wrist strap 28 with an adhesive 30 securing the wrist strap 28 to the user's wrist. In such embodiments, a plurality of back hand straps 26 connect the finger pockets 17 and the thumb pocket 15 to the wrist strap 28 the plurality of back hand straps 26 are

disposed within the gap. The back hand straps **26** may be used for extra support on the back of the hand to keep the palm glove **10** in place.

[0021] A method of making an embodiment may include the following. The latex/neoprene or similar elastic material may be designed to look similar to the palm of a hand including its functionality with crevices. The adhesive may be attached to the inner part of the latex/neoprene or similar elastic material. The back hand straps may be attached to the latex/neoprene or similar elastic material on the back of the hand to secure the glove to the hand. The sanitizing agent may be infused in the product and a sanitizing layer may be attached to the outer part of the latex/neoprene or similar. Breathing holes may be embedded into the design to allow airflow. Tiny ridges may be designed on the outer part of the element to allow sturdy grip when holding on to surfaces.

[0022] A method of making another embodiment may include the following. The latex/neoprene or similar elastic material may be designed to look similar to the palm of a hand including its functionality with crevices. The adhesive may be attached to the inner part of the latex/neoprene or similar elastic material. The sanitizing agent may be infused in the product and a sanitizing layer may be attached to the outer part of the latex/neoprene or similar. Breathing holes may be embedded into the design to allow airflow. Tiny ridges may be designed on the outer part of the element to allow sturdy grip when holding on to surfaces.

[0023] The present invention may be used for opening doors, holding hand railings, using support poles/bars on the subway, elevators or buildings etc. The different sizes of this product must be measured to find the right fit for the different palm sizes. Once the right fit is found, remove the covering for the adhesive and firmly place on the palm of the hand matching the crevices location.

[0024] It should be understood, of course, that the foregoing relates to exemplary embodiments of the invention and that modifications may be made without departing from the spirit and scope of the invention as set forth in the following claims.

What is claimed is:

- 1.** A sanitizing palm glove comprising:
a film comprising a rubber elasticity and having an inner surface and an outer surface, wherein the film comprises:
a palm portion formed to cover a palm of a user;
a plurality of finger pockets, each sized to fit a finger of a user within; and
a thumb pocket sized to fit a thumb of a user within; and
a disinfectant disposed on the film.
- 2.** The sanitizing palm glove of claim **1**, wherein the disinfectant is infused within the film.
- 3.** The sanitizing palm glove of claim **2**, wherein the disinfectant comprises a disinfectant layer disposed on the outer surface of the film.
- 4.** The sanitizing palm glove of claim **1**, wherein the film comprises a gap positioned to exposes a substantial portion of a top of a user's hand when worn.
- 5.** The sanitizing palm glove of claim **1**, wherein the film comprises a plurality of pores running through the inner surface to the outer surface.
- 6.** The sanitizing palm glove of claim **1**, further comprising a plurality of gripping strips disposed on the outer surface of the film.
- 7.** The sanitizing palm glove of claim **1**, further comprising a plurality of creases formed on the outer surface of the film, wherein the creases are positioned to align with a user's hand joints.
- 8.** The sanitizing palm glove of claim **1**, further comprising an adhesive disposed on the inner surface of the film.
- 9.** The sanitizing palm glove of claim **4**, wherein the film further comprises a wrist strap formed to secure to a user's wrist.
- 10.** The sanitizing palm glove of claim **9**, further comprising a plurality of back hand straps connecting the finger pockets and the thumb pocket to the wrist strap, wherein the plurality of back hand straps are disposed within the gap.

* * * * *