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(54) **MULTI-FUNCTION HOOD** Nov. 29, 2006 (TW) 095221090

(76) Inventor: **Shu-Hui Huang, Taipei (TW)**

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Correspondence Address:
ROSENBERG, KLEIN & LEE
3458 ELLICOTT CENTER DRIVE-SUITE 101
ELLICOTT CITY, MD 21043

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(57) **ABSTRACT**

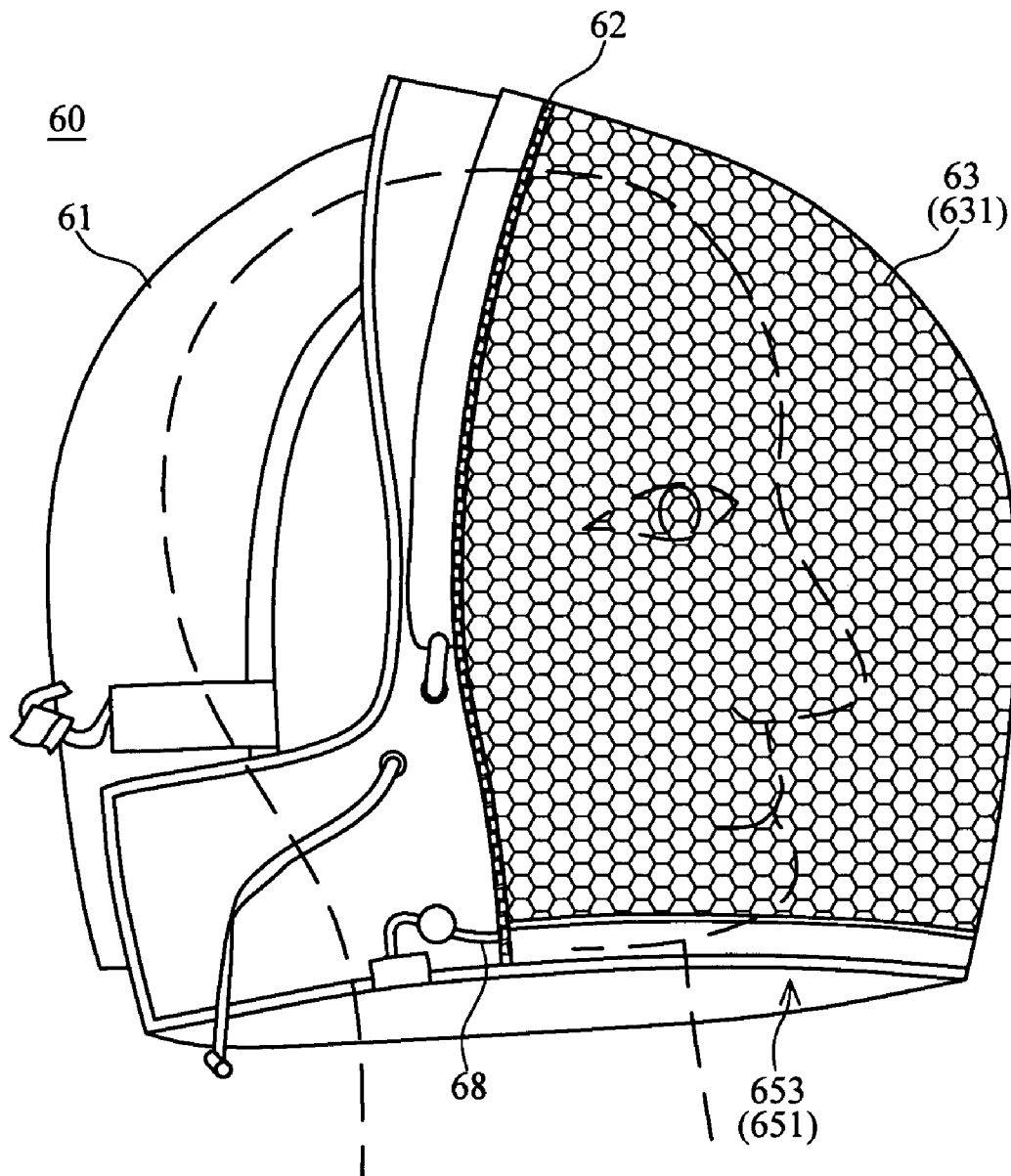
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A multi-function hood is disclosed, comprising an inner layer and an outer layer that are stacked and connected with each other, and an opening is respectively formed on the bottoms of both, such that a space can be formed between the inner layer and the outer layer, otherwise, the inner layer can be made by various materials regarding to the selection of demand for having the additional functions with the hood.



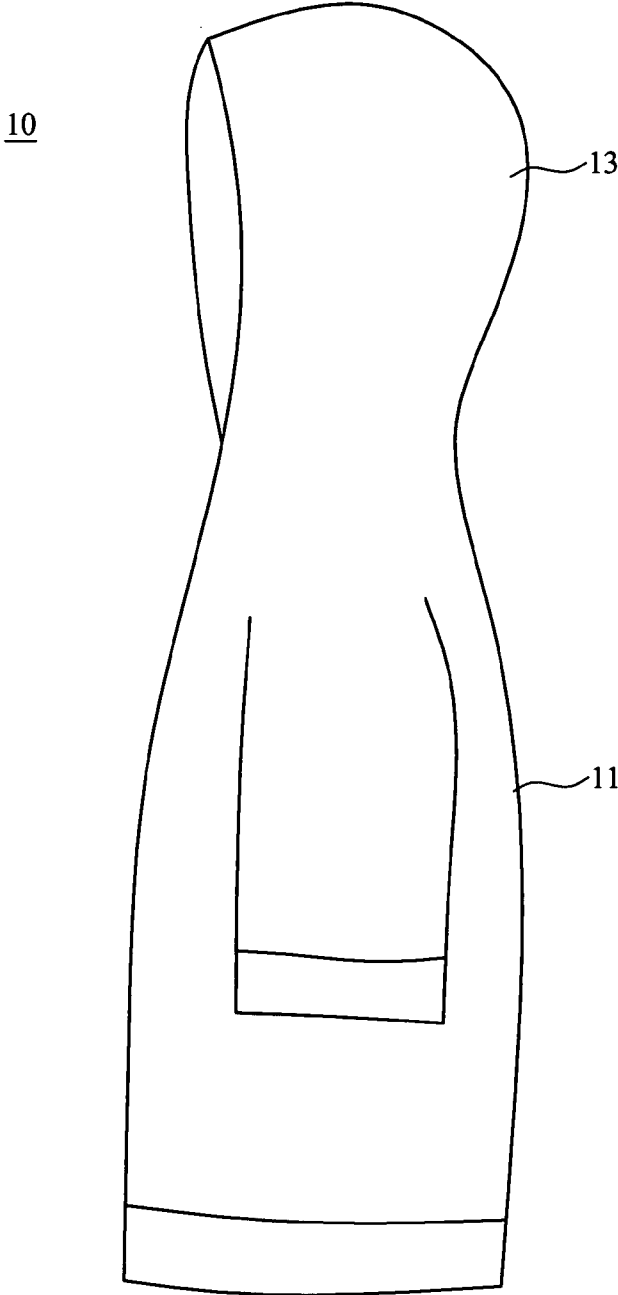


FIG.1
(Prior Art)



FIG.2
(Prior Art)

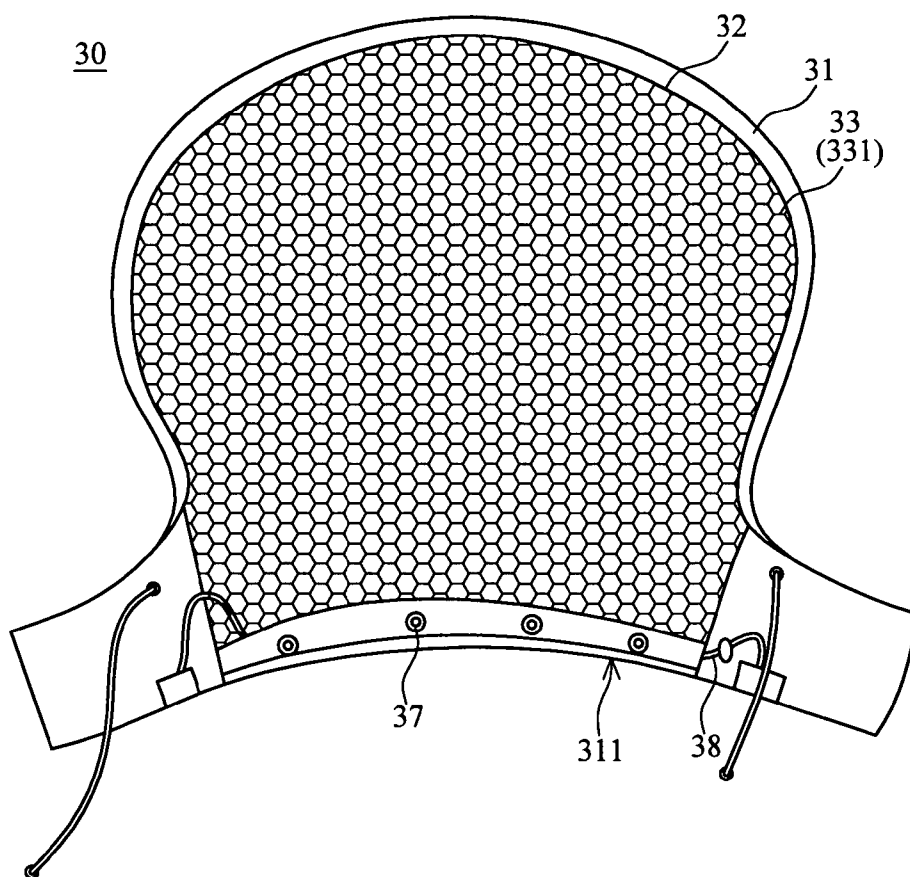


FIG.3A

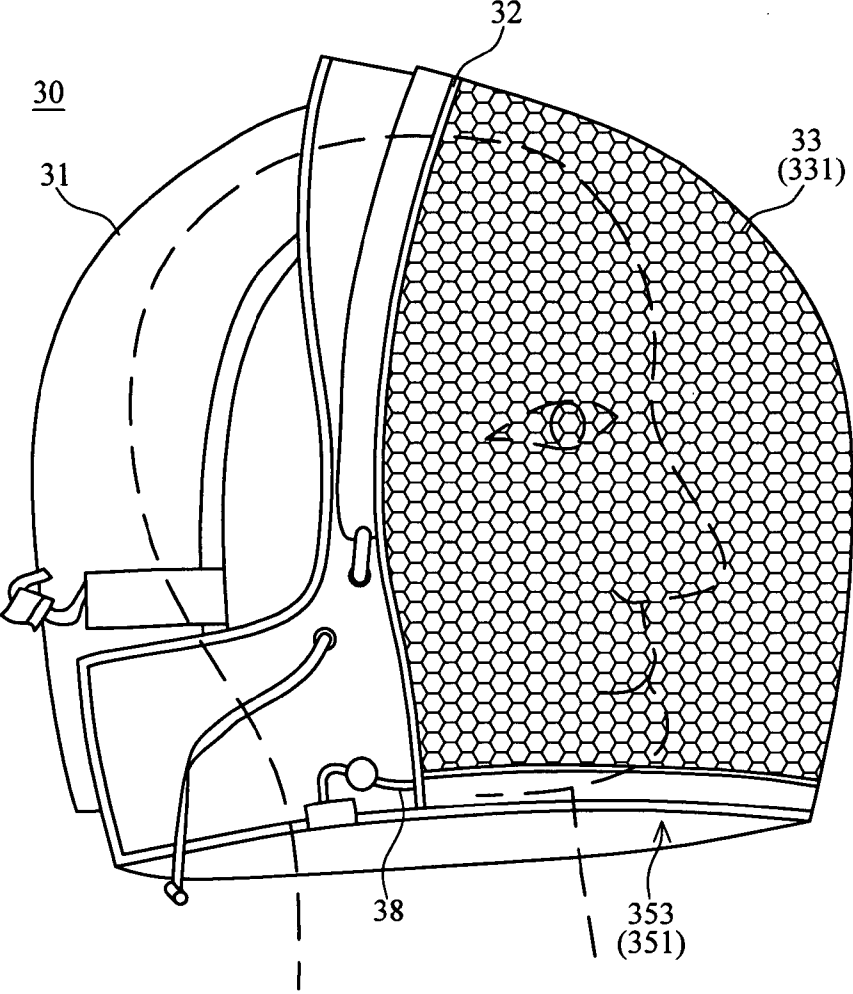


FIG.3B

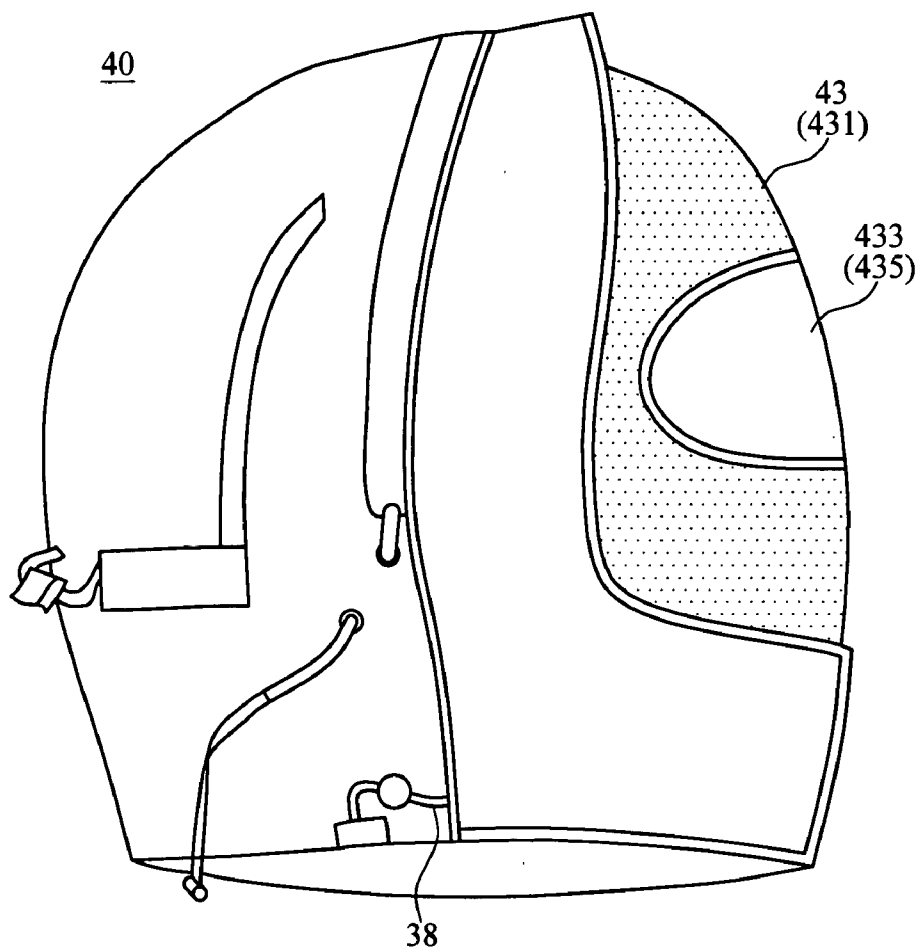


FIG.4

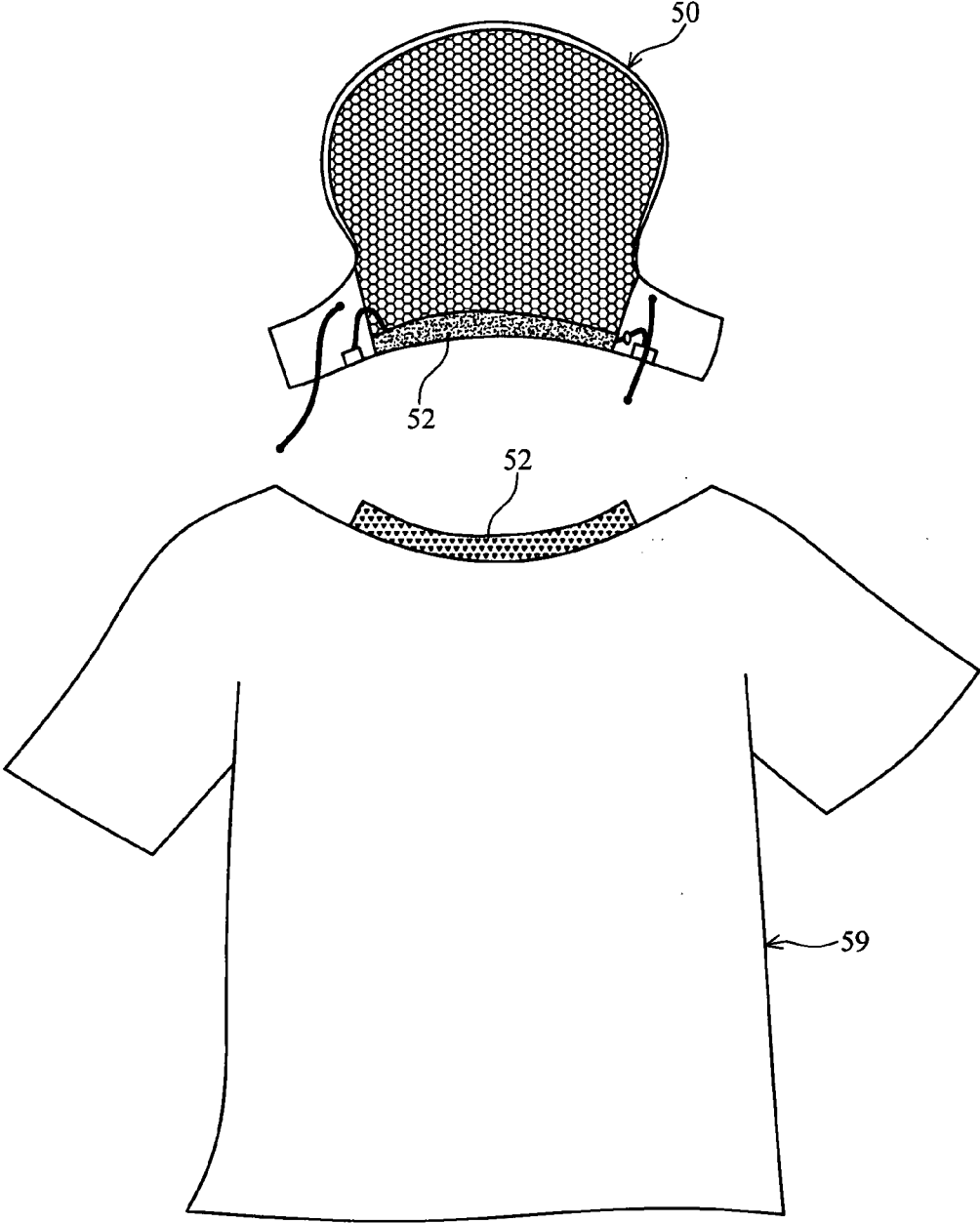


FIG.5

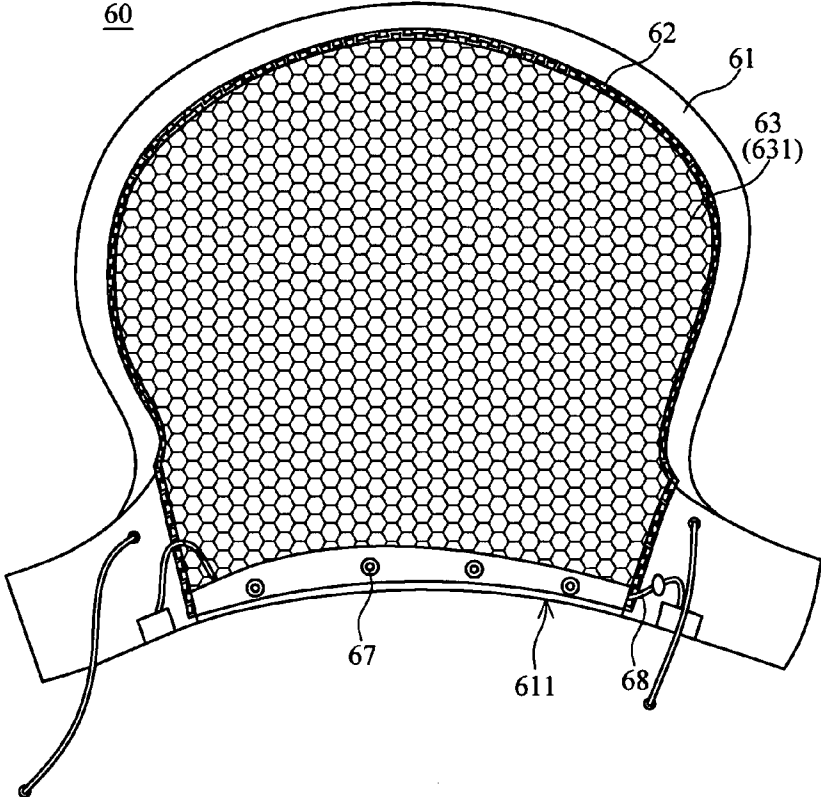


FIG.6A

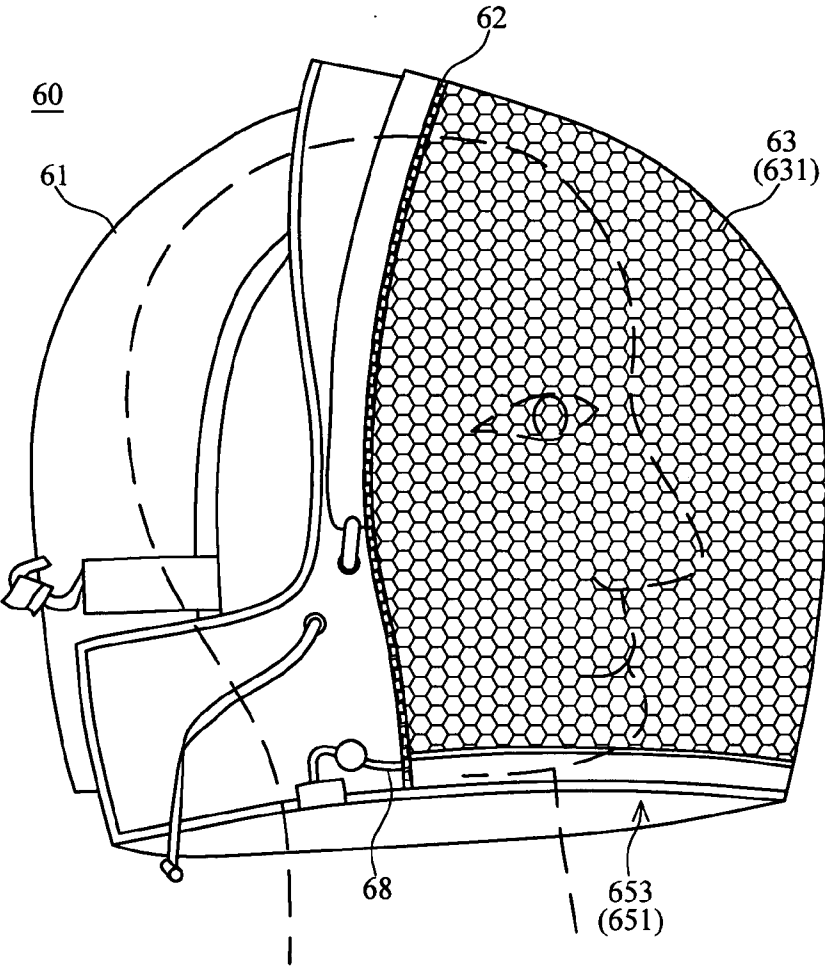


FIG.6B

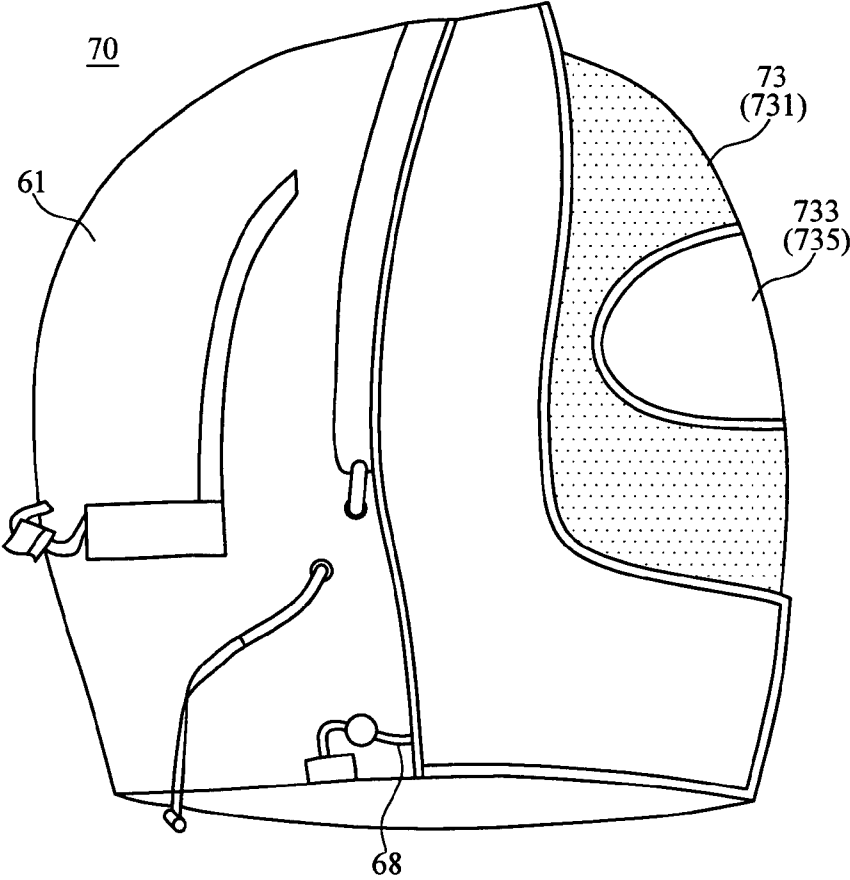


FIG.7

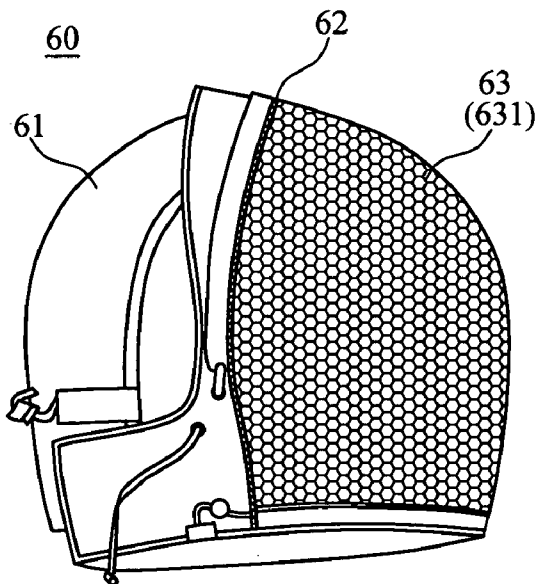


FIG. 8A

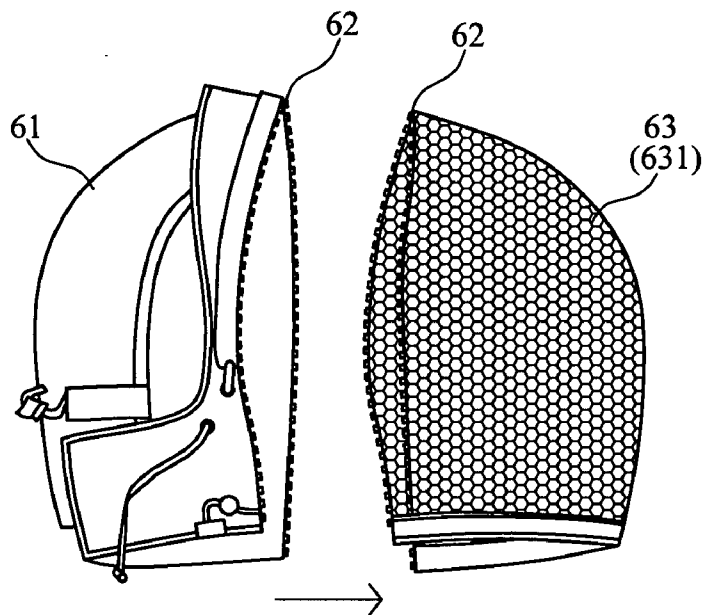


FIG. 8B

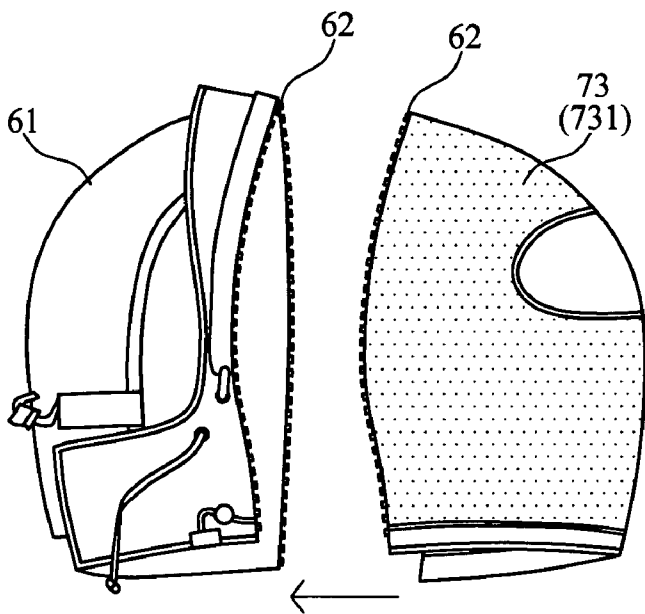


FIG. 8C

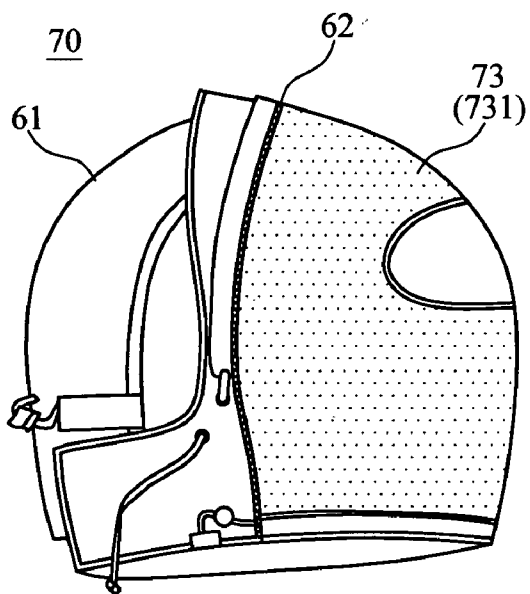


FIG. 8D

MULTI-FUNCTION HOOD

FIELD OF THE INVENTION

[0001] The present invention relates to a hood, and more particularly to a multi-function hood, comprising a space is formed between the inner layer and the outer layer for being used to have additional functions with the hood.

BACKGROUND

[0002] Generally, the hood is used for matching with the clothing and beautifying, however, the hood is getting more useful at present time, since there are more and more demands by people. Referring to the FIG. 1, a side view of a prior art clothing hood is showed. The clothing hood 10 comprises a body portion 11 and a hood 13 integrated with each other. The user can wear the hood 13 on the head to keep out wind or rain during the windy or rainy day.

[0003] Referring to the FIG. 2, a three dimensional diagram of another prior art protective hood is showed. The protective hood 20 comprises a helmet 21 and a cover 23, wherein the cover 23 is disposed around the bottom of the helmet 21. The helmet 21 can be made of a plastic material with a regular shape, and the cover 23 can be made of a canvas or a plastic cloth, therefore, a space 22 can be formed between the helmet 21 and the cover 23. The cover 23 comprises an eye shield 25, which is used to watch the environment via the eye shield 25 that can be made of a transparent material or be as a meshed structure.

[0004] As the user wears the protective hood 20, the helmet 21 and the cover 23 can shelter the user's face and head from the outside to keep out bees or mosquitoes. Furthermore, the user can wear a long-sleeved clothing, a trouser, or a protective clothing that can be made of the same material with the cover 23 to protect the user's body.

[0005] The above-mentioned applications, regarding to the helmet 21, the cover 23, the eye shield, the protective hood 20, or the protective clothing, are used for guarding people and protecting from the bees or mosquitoes, however, these are limited to various application fields, which will be inconvenient for people. For example, the user cannot go around with the protective hood 20 easily. Comparatively, the clothing hood 10 is more convenient, however, the function thereof is limited.

SUMMARY OF THE INVENTION

[0006] Accordingly, a novel hood for improving the function of the hood without increasing the weight and volume thereof is disclosed.

[0007] It is a primary object of the present invention to provide a multi-function hood, wherein an opening is formed on the bottoms of the inner layer and the outer layer, and a space can be formed between the inner layer and the outer layer to add more functions with the hood.

[0008] It is a secondary object of the present invention to provide a multi-function hood, wherein a connecting unit is used to connect the inner layer and the outer layer, and the inner layer can be replaced, such that the clothing hood can be with various different functions accordingly.

[0009] It is another object of the present invention to provide a multi-function hood, wherein the hood can be connected with the body portion to be formed as a clothing hood for being portable and more convenient.

[0010] To achieve the previous mentioned objects, the present invention provides a multi-function hood, comprising: an outer layer; and an inner layer stacking and connecting with the outer layer to be formed as the hood, wherein an opening is formed on the bottoms of the outer layer and inner layer, and a space is formed between the outer layer and the inner layer spontaneously.

[0011] To achieve the previous mentioned objects, the present invention provides A multi-function hood, comprising: an outer layer; and an inner layer stacking and connecting with the outer layer by a connecting unit to be formed as the hood, wherein an opening is formed on the bottoms of the outer layer and inner layer, and a space is formed between the outer layer and the inner layer spontaneously.

BRIEF DESCRIPTION OF DRAWINGS

[0012] FIG. 1 is a three-dimensional diagram of a prior art clothing hood.

[0013] FIG. 2 is a three-dimensional diagram of another prior art protective hood.

[0014] FIG. 3A and FIG. 3B are respectively a front view diagram and a three-dimensional diagram of a preferred embodiment of the present invention multi-function hood.

[0015] FIG. 4 is a three-dimensional diagram of another embodiment of the present invention.

[0016] FIG. 5 is a front view diagram of another embodiment of the present invention.

[0017] FIG. 6A and FIG. 6B are respectively a front view diagram and a three-dimensional diagram of another embodiment of the present invention.

[0018] FIG. 7 is a three-dimensional diagram of another embodiment of the present invention.

[0019] FIG. 8A to FIG. 8D are the flowcharts of a preferred embodiment of the present invention

DETAILED DESCRIPTION

[0020] Referring to FIG. 3A and FIG. 3B, respectively a front view diagram and a three-dimensional diagram of a preferred embodiment of the present invention regarding to a multi-function hood are showed. The multi-function hood 30 comprises an outer layer 31 and an inner layer 33, and the outer layer 31 and the inner layer 33 can be stacked to be formed as the hood 30, wherein both edges 32 of that are connected; for example, a stitch can be used to connect the edges 32 of the outer layer 31 and the inner layer 33. The bottoms 311 of the outer layer 31 and inner layer 33 have an opening 351; for example, an opening 351 is formed on the bottoms 311 of the outer layer 31 and the inner layer 33 since the bottoms 311 are without stitching between the outer layer 31 and the inner layer 33 during the stitching process thereof, such that a space 353 will be formed between the outer layer 31 and the inner layer 33 spontaneously.

[0021] In accordance with forming the space 353 and changing different inner layer 33, the function of the hood 30 can be increased. For example, the inner layer 33 can be a meshed structure 331, and the user's head and face can be insulated from the outside, as shown on FIG. 3B, the user is wearing the hood 30. Consequently, the outer layer 31 and the meshed structure 331 can protect the user's face and head from bees, mosquitoes, and flies.

[0022] A fixed unit 37, such as buttons, Velcro, or zipper, can be set on the bottoms 311 of the outer layer 31 and the inner layer 33. The fixed unit 37 can be used to shut the

opening 351 on the bottom 311, and the shape of the hood 30 can be formed by the combination of the outer layer 31 and the inner layer 33.

[0023] An adjusting unit 38, such as a strap or an elastic band, can be set on the bottom 311 of the outer layer 31 and/or the inner layer 33 to adjust the size of the opening 351, such that the hood 30 can suit various person, and the bees or mosquitoes can't enter the space 353 of the hood 30 via the opening 351.

[0024] Referring to FIG. 4, a three dimensional diagram of another embodiment of the present invention is showed. Compared with the hood 30, the inner layer 43 of the hood 40 can be different structures; for example, the inner layer 33 of the hood 30 is a meshed structure 331, as shown on FIG. 3B, however the inner layer 43 of the hood 40 is a warming textile 431 in the embodiment, and at least one watch aperture 433 can be formed on the inner layer 43, such that the user can watch the outside via the watch aperture 433. The warming textile 431 and the outer layer 41 can form the hood 40 that can be as a warming mask.

[0025] In another embodiment of the invention, the material of the inner layer 43 can be exchanged; for example, the inner layer 43 can be made of a wind stopper material, a sand stopper material, or a dust stopper material, and then the hood 40 can be respectively a wind stopper mask, a sand stopper mask, or a dust stopper mask. Furthermore, an eye shield 435 can be set on the watch aperture 433; for example, the eye shield 435 can be made of a transparent material or a meshed material for protecting the user's eye.

[0026] Referring to FIG. 5, a front view diagram of another embodiment of the present invention is showed. The hood 50 can be connected with the body portion 59 to be formed as the clothing hood 10, as shown on FIG. 1, wherein the body portion 59 can a jacket, a long-sleeved clothing, a short-sleeved clothing, or a sleeveless jacket.

[0027] The hood 50 can be connected with the body portion 59 by a connecting unit 52, such as buttons, a Velcro, or zipper, such that the hood 50 can be a removable device. Of course, the stitch can be used to seam the hood 50 and the body portion 59, and both can be connected together to be formed as a single device.

[0028] Referring to FIG. 6A and FIG. 6B, respectively a front view diagram and a three-dimensional diagram of another embodiment of the present invention regarding to a multi-function hood are showed. The multi-function hood 60 comprises an outer layer 61 and an inner layer 63, and both are connected each other by a connecting unit 62 to be formed as hood 60. Preferably, the connecting unit 62 can be disposed on the edges of the outer layer 61 and the inner layer 63; for example, the connecting unit 62 disposed on the edges of the outer layer 61 and the inner layer 63 can be a zipper, as shown on FIG. 6A. Of course, the connecting unit 62 also can be a button or a Velcro to connect the outer layer 61 and the inner layer 63.

[0029] An opening 651 can be formed on the bottoms 611 of the outer layer 61 and the inner layer 63; for example, the bottoms 611 of outer layer 61 and the inner layer 63 don't dispose the connecting unit 62 leading to form an opening 651 on the bottom 611. Therefore, a space 653 can be formed between the outer layer 61 and the inner layer 63 for various applications spontaneously.

[0030] In accordance with forming the space 653 and changing different inner layer 63 the function of the hood 60 can be increased. For example, the inner layer 63 can be a

meshed structure 631, and the user's head and face can be insulated from the outside, as shown on FIG. 6B, the user is wearing the hood 60. Consequently, the outer layer 61 and the meshed structure 631 can protect the user's face and head from bees, mosquitoes, and flies.

[0031] A fixed unit 67, such as buttons, Velcro, or zipper, can be set on the bottoms 611 of the outer layer 61 and the inner layer 63. The fixed unit 67 can be used to shut the opening 651 on the bottom 611, and the shape of the hood 60 can be formed by the combination of the outer layer 61 and the inner layer 63. Besides, the connecting unit 62 and the fixed unit 67 can be the same or different unit; for example, the connecting unit 62 and the fixed unit 67 both can be zipper. Therefore, the connecting unit 62 and the fixed unit 67 can be integrated into a single unit; for example, the connecting unit 62 and the fixed unit 67 that can be zipper are disposed on the edges and the bottoms 611 of the outer layer 61 and the inner layer 63.

[0032] An adjusting unit 68, such as a strap or an elastic band, can be set on the bottom 611 of the outer layer 61 and/or the inner layer 63 to adjust the size of the opening 651, such that the hood 60 can suit various person, and the bees or mosquitoes can't enter the space 653 of the hood 60 via the opening 651.

[0033] Referring to FIG. 7, a three dimensional diagram of another embodiment of the present invention is showed. The inner layer 73 of the hood 70 can be different from the inner layer 63 of the hood 60; for example, the inner layer 63 of the hood 60 is a meshed structure 631, as shown on FIG. 6B, but the inner layer 73 of the hood 70 is a warming textile 731. Preferably, at least one watch aperture 733 can be formed on the inner layer 73, such that the user can watch the outside via the watch aperture 733. The warming textile 731 and the outer layer 61 can be formed as the hood 70 for being as a warming mask.

[0034] In another embodiment of the invention, the material of the inner layer 73 can be replaced; for example, the inner layer 73 can be made of a wind stopper material, a sand stopper material, or a dust stopper material, and then the hood 70 can be respectively a wind stopper mask, a sand stopper mask, or a dust stopper mask. Furthermore, an eye shield 735 can be set on the watch aperture 733; for example, the eye shield 735 can be made of a transparent material or a meshed material for protecting the user's eye.

[0035] Since the outer layer 61 can connect with the inner layer 63/73 by the connecting unit 62 as shown on FIG. 6A. The inner layer 63/73 can be replaced for broadening the application field of the hood 70.

[0036] Referring to FIG. 8A to FIG. 8D, the flowcharts of a preferred embodiment of the present invention are showed. The hood 60/70 comprises the outer layer 61 and the inner layer 63/73 that connect each other by the connecting unit 62, such that the inner layer 63/73 can be a replacing device due to the connecting unit 62.

[0037] The outer layer 61 can connect with the inner layer 63 to be formed as the hood 60, and the inner layer 63 is a meshed structure 631 as shown on FIG. 8A, such that the hood 60 can protect the user from the bees, mosquitoes, and flies. Besides, the outer layer 61 can be connected with the inner layer 63 by the connecting unit 62, hence the inner layer 63 can be removed from the outer layer 61, as shown on FIG. 8B.

[0038] After the inner layer 63 is removed from the outer layer 61, the inner layer 73 that is different from the inner

layer 63 can be connected with the outer layer 61; for example, the inner layer 73 can be a warming textiles 731, as shown on FIG. 8C. The inner layer 73 comprises the connecting unit 62, thus, the inner layer 73 can be connected with the outer layer 61 by the connecting unit 62 to be formed as the hood 70, as shown on FIG. 8D. Of course, the inner layer 73 can be selectively as one of various structures for the functional demand; for example, as the inner layer 73 is a warming textiles 731, the hood 70 is a warming mask. As the inner layer 63/73 is made of a wind stopper material, a sand stopper material, or a sand stopper material, the hood can be a wind stopper mask, a sand stopper mask, or a dust stopper mask respectively, such that the hood 60/70 is more convenient and the application field thereof can be broadened.

[0039] While this invention has been described with reference to illustrative embodiments, this description is not intended to be construed in a limiting sense. Various modifications of the illustrative embodiments, as well as other embodiments of the invention, which are apparent to persons skilled in the art to which the invention pertains are deemed to lie within the spirit and scope of the invention.

- 1. A multi-function hood, comprising:
 - an outer layer; and
 - an inner layer stacking and connecting with said outer layer to be formed as said hood, wherein an opening is formed on the bottoms of said outer layer and said inner layer, and a space is formed between said outer layer and said inner layer spontaneously.

2. The multi-function hood of claim 1, further comprising a fixed unit correspondingly disposed on the bottoms of said inner layer and said outer layer.

3. The multi-function hood of claim 1, further comprising an adjusting unit disposed on the bottoms of said inner layer and said outer layer.

4. The multi-function hood of claim 1, wherein said inner layer is one of a warming textiles or a meshed structure.

5. A multi-function hood, comprising:

- an outer layer; and
- an inner layer stacking and connecting with said outer layer by a connecting unit to be formed as said hood, wherein an opening is formed on the bottoms of said outer layer and said inner layer, and a space is formed between said outer layer and said inner layer spontaneously.

6. The multi-function hood of claim 5, wherein said connecting unit is disposed on the edges of said inner layer and said outer layer.

7. The multi-function hood of claim 5, further comprising a fixed unit correspondingly disposed on the bottoms of said inner layer and said outer layer.

8. The multi-function hood of claim 7, wherein said connecting unit and said fixed unit can be integrated into a single unit.

9. The multi-function hood of claim 5, further comprising an adjusting unit disposed on the bottom of said inner layer.

10. The multi-function hood of claim 5, wherein said inner layer is one of a warming textiles or a meshed structure.

* * * * *