



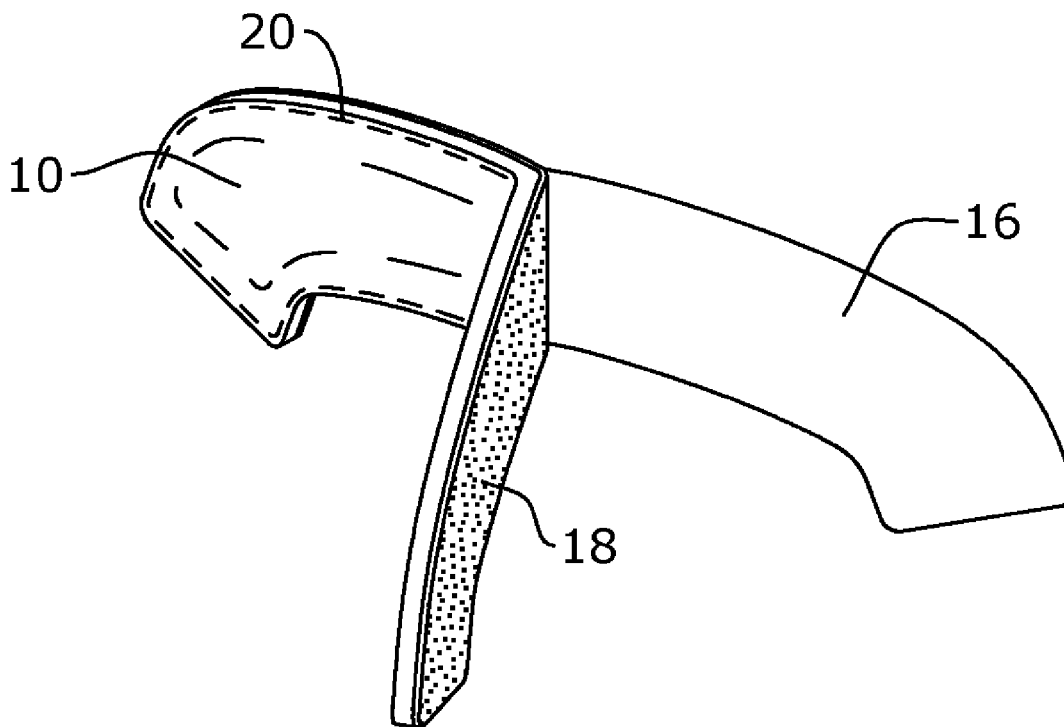
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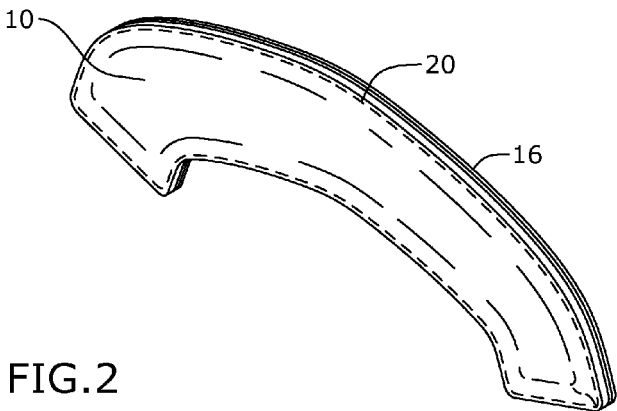
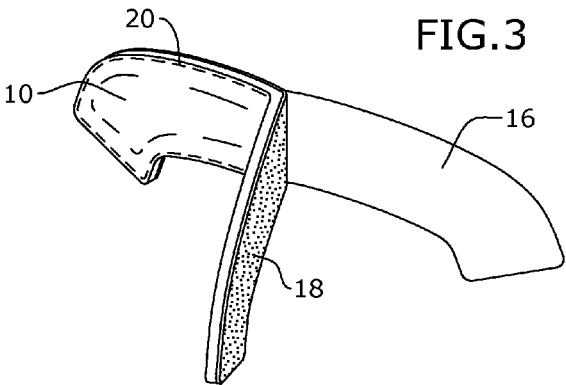
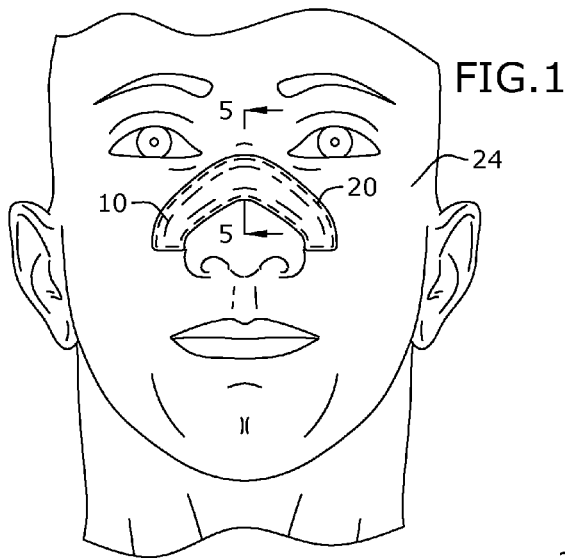
(19) **United States**(12) **Patent Application Publication**
Ahmed et al.(10) **Pub. No.: US 2017/0016648 A1**(43) **Pub. Date: Jan. 19, 2017**(54) **NASAL STRIP FACE WARMER****Publication Classification**(71) Applicants: **Rommy Zohair Ahmed**, Sylvania, OH (US); **Sulaiman Mohammed Mustapha**, Sylvania, OH (US); **Caleb Lee Rau**, Sylvania, OH (US)(51) **Int. Cl.**
F24J 1/00 (2006.01)
(52) **U.S. Cl.**
CPC **F24J 1/00** (2013.01)(72) Inventors: **Rommy Zohair Ahmed**, Sylvania, OH (US); **Sulaiman Mohammed Mustapha**, Sylvania, OH (US); **Caleb Lee Rau**, Sylvania, OH (US)(57) **ABSTRACT**

A nose warmer is provided. The nose warmer is made of an elongated body having an outer surface, an inner surface and a pouch formed in between. A mixture is contained within the pouch of the elongated body. The mixture is configured to produce an exothermic reaction. The present invention may further include an adhesive layer attached to the inner surface of the elongated body. Therefore, a user may adhere the elongated body to their nose, and keep their nose warm during cold weather.

(21) Appl. No.: **14/939,068**(22) Filed: **Nov. 12, 2015****Related U.S. Application Data**

(60) Provisional application No. 62/192,147, filed on Jul. 14, 2015.





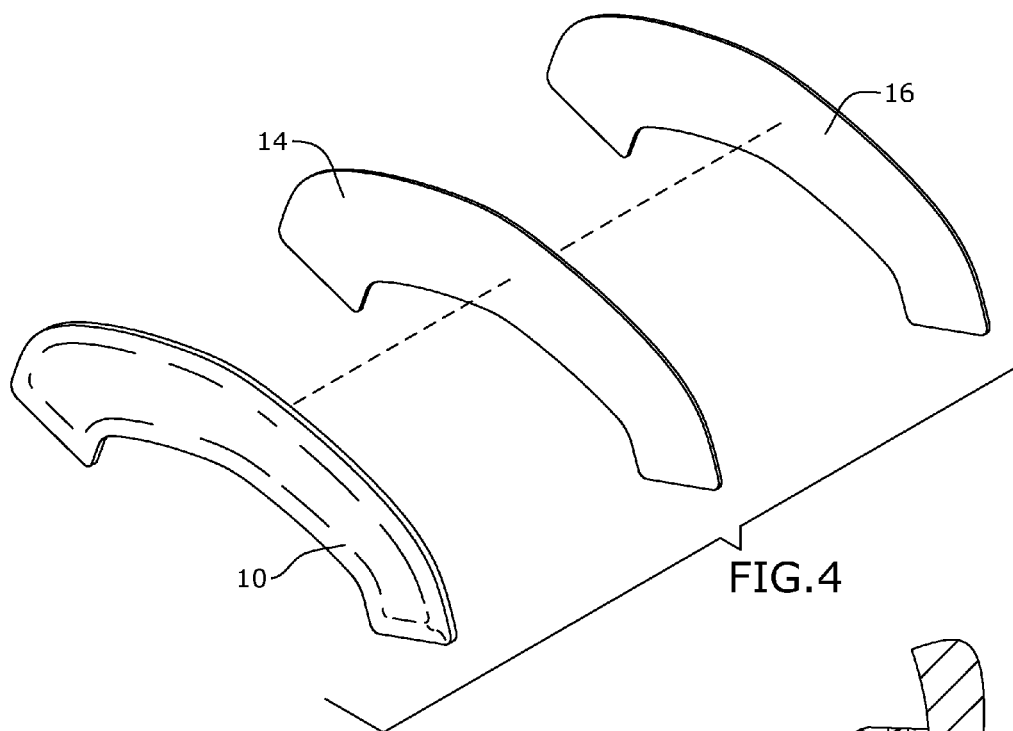


FIG. 5

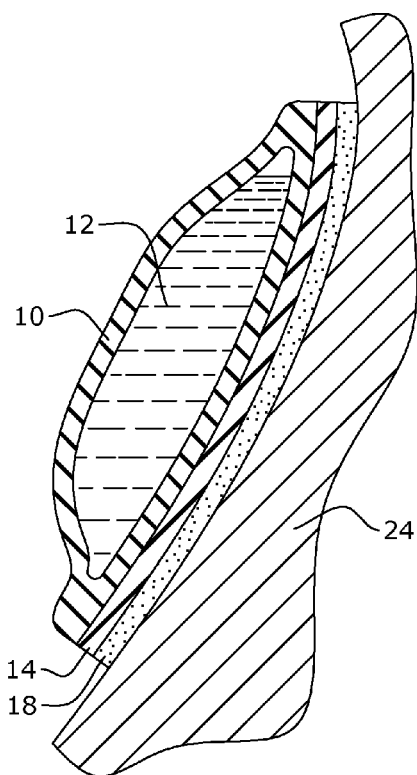


FIG.6

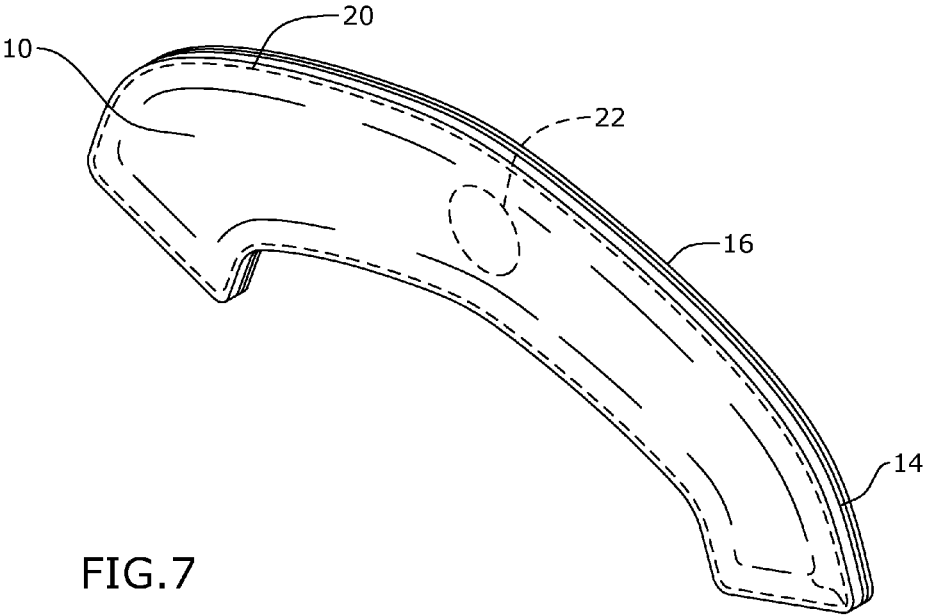
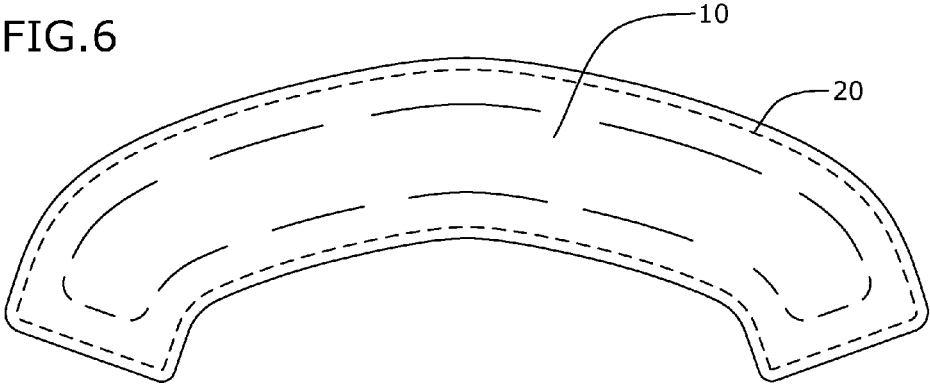


FIG.7

NASAL STRIP FACE WARMER

CROSS-REFERENCE TO RELATED APPLICATION

[0001] This application claims the benefit of priority of U.S. provisional application No. 62/192,147, filed Jul. 14, 2015, the contents of which are herein incorporated by reference.

BACKGROUND OF THE INVENTION

[0002] The present invention relates to a face warmer and, more particularly, to face warmer adhered to a user's nose.

[0003] Currently, to keep ones face warm, ski masks and scarves are used. Both ski masks and scarves are problematic due to their thickness, adaptability, sight (peripheral vision), and comfort. Ski masks and scarves also make it more difficult for user's to breathe, especially in a competitive environment like football, skiing, snowboarding, and the like.

[0004] As can be seen, there is a need for an improved face warmer that does not inhibit breathing or vision.

SUMMARY OF THE INVENTION

[0005] In one aspect of the present invention, a nose warmer comprises: an elongated body comprising an outer surface, an inner surface and a pouch formed in between, wherein the elongated body is sized to cover at least a portion of a nose; a mixture disposed within the pouch and configured to produce an exothermic reaction; and an adhesive disposed on the inner surface of the elongated body.

[0006] In another aspect of the present invention, a method of providing warmth to a user's nose comprises: providing a nose warmer comprising an elongated body having an outer surface, an inner surface and a pouch formed in between, and a mixture disposed within the pouch configured to produce an exothermic reaction; and adhering the inner surface of the elongated body to the user's nose.

[0007] 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

[0008] FIG. 1 is a front view of an embodiment of the present invention in use;

[0009] FIG. 2 is a perspective view of an embodiment of the present invention;

[0010] FIG. 3 is a perspective view of an embodiment of the present invention illustrating a paper backing being removed;

[0011] FIG. 4 is an exploded view of an embodiment of the present invention;

[0012] FIG. 5 is a section view of the present invention taken from 5-5 in FIG. 1;

[0013] FIG. 6 is a front view of an embodiment of the present invention; and

[0014] FIG. 7 is a perspective view of an embodiment of the present invention.

DETAILED DESCRIPTION OF THE INVENTION

[0015] 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.

[0016] Referring to FIGS. 1 through 7, the present invention includes a nose warmer. The nose warmer is made of an elongated body 10 having an outer surface, an inner surface and a pouch formed in between. A mixture 12 is disposed and thereby contained within the pouch of the elongated body 10. The mixture is configured to produce an exothermic reaction. The present invention may further include an adhesive layer 18 attached to the inner surface of the elongated body 10. Therefore, a user 24 may adhere the elongated body 10 to their nose, and keep their nose warm during cold weather.

[0017] The elongated body 10 may be in the form of a bag. The elongated body 10 may be made of a bendable fabric, a woven layer, cotton paper and the like. The elongated body 10 is sized and shaped to cover at least a portion of a nose of a user 24. In certain embodiments, the elongated body 10 is shaped to contour to the nose. For example, the elongated 10 may have an inner edge and an outer edge forming joined at a first end and a second end forming U-shape. The first end may adhere to a first side of the nose and the second end may adhere to the second side of the nose.

[0018] In certain embodiments, a logo, design, computer readable codes, such as QR codes, and bar codes, colors and the like may be printed on the outer surface of the elongated body 10.

[0019] In certain embodiments, the present invention may further include a polymer strip 14. The polymer strip 14 may be secured to the elongated body 10 by stitching 20. The polymer strip 14 may be secured to an inner surface of the elongated body 10 to provide additional grip. The adhesive layer 18 may be adhered to the polymer strip 14 such that the polymer strip 14 is disposed between the adhesive layer 18 and the elongated body 10. In certain embodiments, the polymer strip 14 may be formed of latex. However, the polymer strip 14 may include any material that doesn't cause face irritation or harm to the person using the facial wear.

[0020] The mixture of the present invention may include a combination of cellulose, iron, water, activated carbon, vermiculite, and salt. In such embodiments, the mixture is operable to produce heat from an exothermic oxidation of iron when exposed to air. The iron powder and the oxygen react together to cause an exothermic reaction which creates heat. The water acts as a reservoir or medium in which both the iron powder and the oxygen react. The salt acts as the catalyst through the water which speeds up the exothermic reaction. The activated carbon disperses the heat evenly throughout the elongated body 10. The vermiculite insulates the reaction in the facial wear so that the reaction lasts longer. The cellulose takes up the empty space of the facial wear. In certain embodiments, the mixture may include a supersaturated solution operable to produce heat from an exothermic crystallization. The supersaturated solution may include sodium acetate. In such embodiments, the present invention may include a metal disk 22 disposed within the pouch to activate the exothermic crystallization. To reset the reaction, the nose warmer may be boiled.

[0021] A method of providing warmth to a user's nose may include the following steps: providing a nose warmer comprising an elongated body 10 having an outer surface, an

inner surface and a pouch formed in between, and a mixture **12** disposed within the pouch configured to produce an exothermic reaction; and adhering the inner surface of the elongated body **10** to the user's nose. To speed up the chemical reaction, a user may shake the elongated body **10**. Further, in certain embodiments, the present invention may include a paper backing **16** attached to the adhesive layer **18**. Further the elongated body **10** may be stored in an air tight packaging. In such embodiments, the elongated body **10** is removed from the airtight packaging, and the mixture begins to produce heat. The paper backing **16** is removed, and the adhesive layer **18** is adhered to the user's nose.

[0022] 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 nose warmer comprising:
an elongated body comprising an outer surface, an inner surface and a pouch formed in between, wherein the elongated body is sized to cover at least a portion of a nose;
a mixture disposed within the pouch and configured to produce an exothermic reaction; and
an adhesive disposed on the inner surface of the elongated body.
2. The nose warmer of claim 1, wherein the elongated body comprises an inner edge and an outer edge forming a U-shape.
3. The nose warmer of claim 1, further comprising a polymer strip affixed to the inner surface, wherein the polymer is disposed in between the inner surface and the adhesive.
4. The nose warmer of claim 3, wherein the polymer is latex.
5. The nose warmer of claim 1, wherein the mixture comprises cellulose, iron, water, activated carbon, vermicu-

lite, and salt, and wherein the mixture is operable to produce heat from an exothermic oxidation of iron when exposed to air.

6. The nose warmer of claim 1, wherein the mixture comprises a supersaturated solution operable to produce heat from an exothermic crystallisation.

7. The nose warmer of claim 6, wherein the super saturated solution is sodium acetate.

8. The nose warmer of claim 7, further comprising a metal disk disposed within the pouch.

9. A method of providing warmth to a user's nose comprising:

providing a nose warmer comprising an elongated body having an outer surface, an inner surface and a pouch formed in between and a mixture disposed within the pouch configured to produce an exothermic reaction; and

adhering the inner surface of the elongated body to the user's nose.

10. The method of claim 9, wherein the elongated body comprises a U-shape.

11. The method of claim 9, wherein a polymer strip is affixed to the inner surface.

12. The method of claim 11, wherein the polymer is latex.

13. The method of claim 9, wherein the mixture comprises cellulose, iron, water, activated carbon, vermiculite, and salt, and wherein the mixture is operable to produce heat from an exothermic oxidation of iron when exposed to air.

14. The method of claim 9, wherein the mixture comprises a supersaturated solution operable to produce heat from an exothermic crystallization.

15. The method of claim 14 wherein the super saturated solution is sodium acetate.

16. The method of claim 15, further comprising a metal disk disposed within the pouch.

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