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(54) **ELECTROMAGNETIC WAVE BLOCKING HEAD COVER**

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(57) **ABSTRACT**

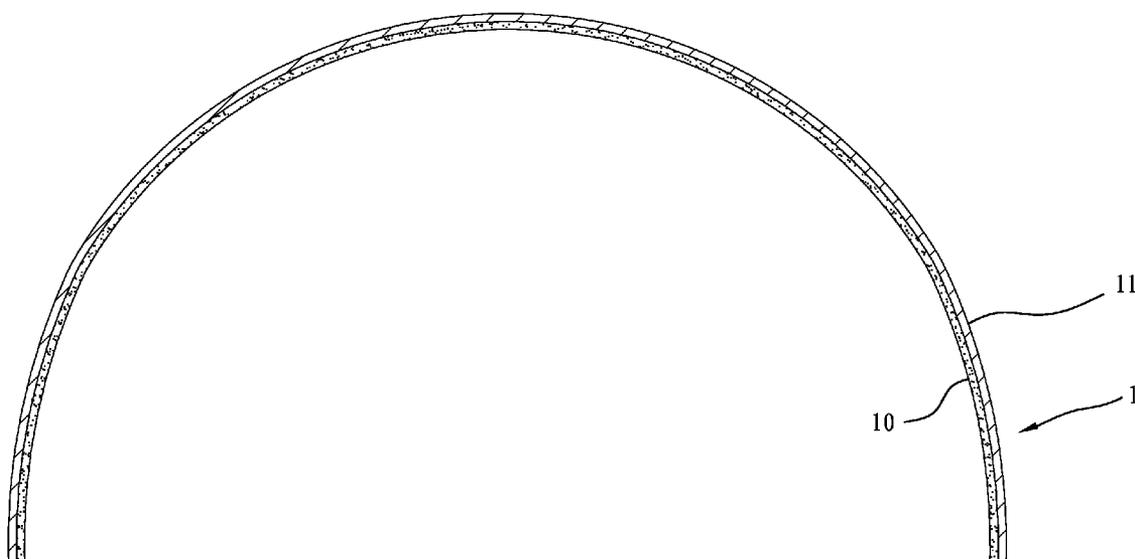
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An electromagnetic wave blocking head covering includes a head covering body having an electromagnetic wave blocking layer which made by metallic thread or metallic containing foams arranged on an inner or outer side thereof or embedded therein by weaving, stitching or doping techniques for protecting the head of a person against external electromagnetic waves.



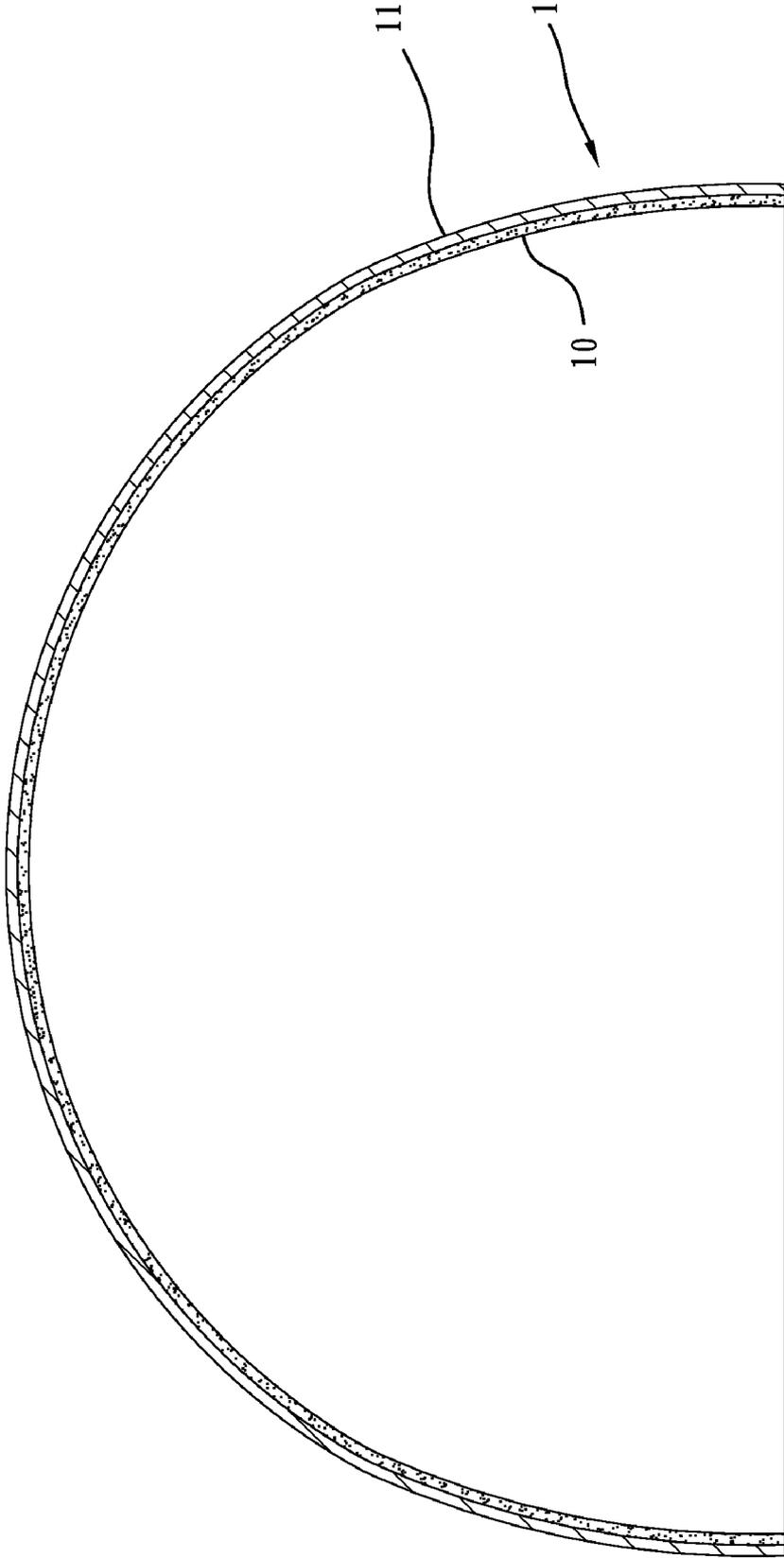


Fig. 1

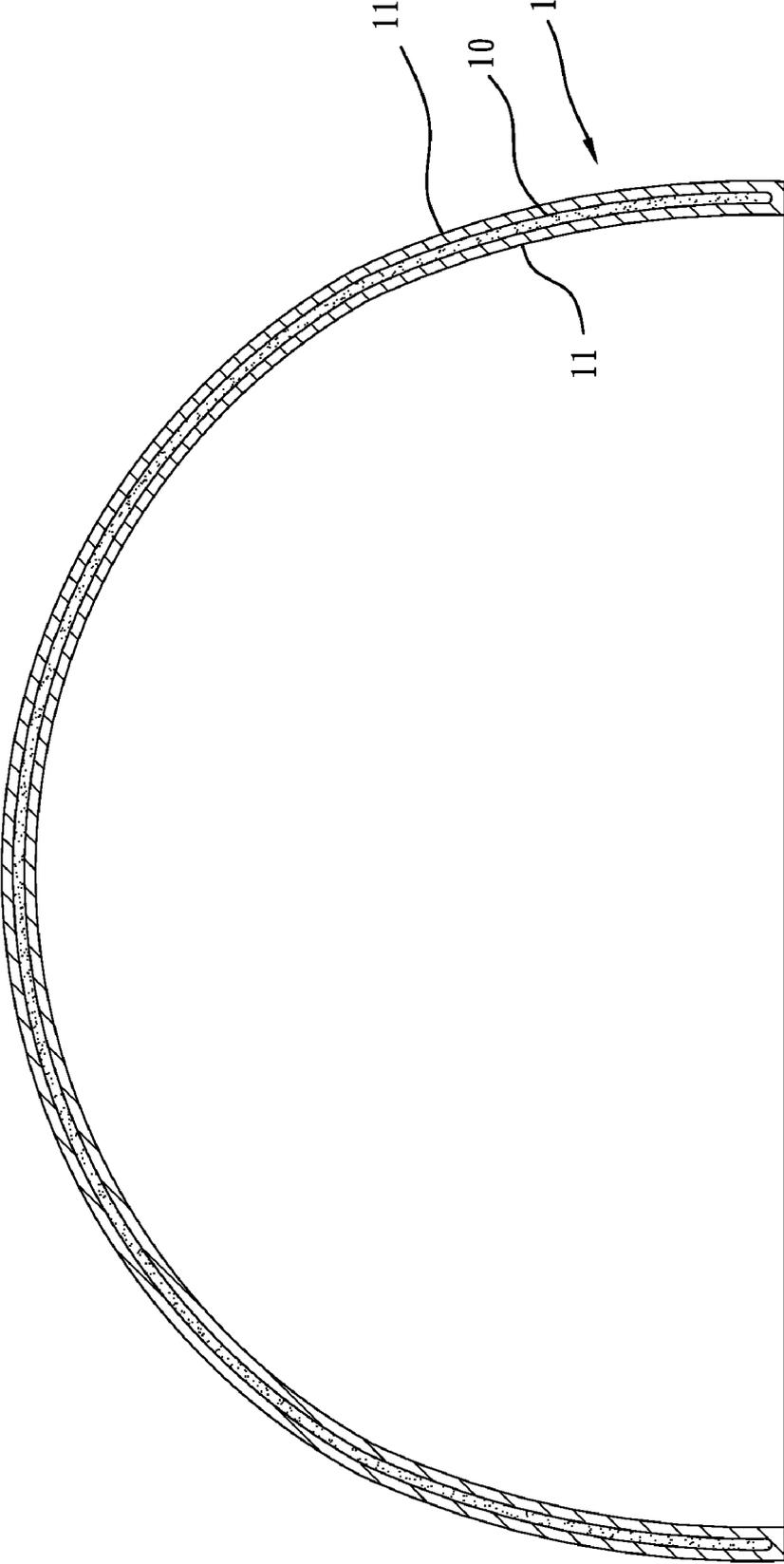


Fig. 2

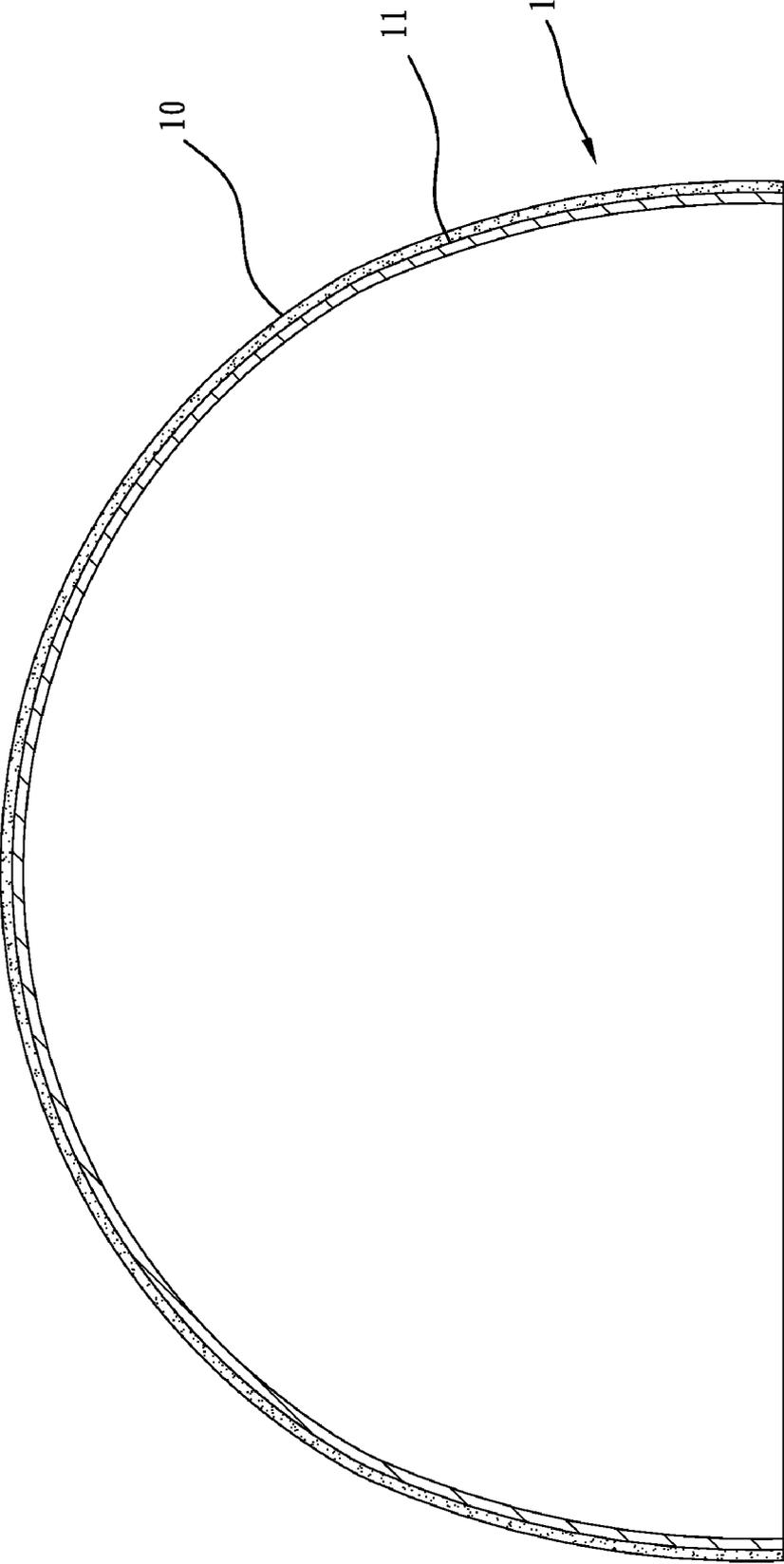


Fig. 3

ELECTROMAGNETIC WAVE BLOCKING HEAD COVER

BACKGROUND OF THE INVENTION

[0001] 1. Field of the Invention

[0002] The present invention relates to head coverings and more particularly, to an electromagnetic wave blocking covering, which comprises a head covering body having an electromagnetic wave blocking layer formed on an outer or inner side thereof or embedded therein by one of the techniques of weaving, stitching, doping and coating for protecting wholly or partially the head of a person against external magnetic waves.

[0003] 2. Description of the Related Art

[0004] Electronic products, such as cell phones, computers, copy machines, electronic home appliances and etc. are intensively used in our daily living. These electronic products emit electromagnetic waves during operation. According to investigation, long period exposure to electromagnetic waves is harmful to human body health. Electromagnetic waves may cause damage to cranial nerves, brain cells, heart and blood vessels, reproductive systems, genes, immune systems, endocrine systems, blood circulation systems, leading to tumor, brain lesions or other diseases.

[0005] Wearing a metal helmet or shielding device can protect the head of a person against external magnetic waves. However, conventional metal head protection devices are commonly heavy, rigid, uncomfortable, and not practical for use in people's daily living.

SUMMARY OF THE INVENTION

[0006] The present invention has been accomplished under the circumstances in view. It is the main object of the present invention to provide an electromagnetic wave blocking head covering, which protects the user's head against external electromagnetic waves

[0007] To achieve the object of the present invention, an electromagnetic wave blocking head covering comprises a head covering body having a silver, copper or ferrite-contained electromagnetic wave blocking layer formed on the outer or inner side thereof or embedded therein by one of the techniques of weaving, stitching, doping and coating and capable of protecting the head of a person against external electromagnetic waves.

[0008] Further, the electromagnetic wave blocking layer can be made by weaving silver threads with cotton threads and synthetic threads, silver threads with natural threads and synthetic threads, or silver threads with natural threads and synthetic threads.

BRIEF DESCRIPTION OF THE DRAWING

[0009] FIG. 1 is a schematic sectional view of an anti-magnetic cap in accordance with the present invention, illustrating an electromagnetic wave blocking layer formed on an inner side of a head covering body.

[0010] FIG. 2 is a schematic sectional view of an alternate form of the anti-magnetic cap in accordance with the present invention, illustrating an electromagnetic wave blocking layer embedded in a head covering body.

[0011] FIG. 3 is a schematic sectional view of an alternate form of the anti-magnetic cap in accordance with the present invention, illustrating an electromagnetic wave blocking layer formed on an outer side of a head covering body.

DETAILED DESCRIPTION OF THE INVENTION

[0012] Referring to FIGS. 1-3, an electromagnetic wave blocking head covering **1** in accordance with the present invention can be made in any of a variety of forms, for example, the form of a cap, comprising a head covering body **11** having an electromagnetic wave blocking layer **10**. The electromagnetic wave blocking layer **10** can be formed on the inner or outer side or middle layer of the head covering body **11** or embedded therein by weaving, stitching, doping, bonding or coating. When a person wears the electromagnetic wave blocking head covering **1**, the electromagnetic wave blocking layer **10** protects the user's head (cranial nerves and brain cells) against external electromagnetic waves.

[0013] Further, the electromagnetic wave blocking layer **10** can be a piece of silver, copper or ferrite-contained cloth, or a piece of silver, copper or ferrite-contained foam material.

[0014] Further, the electromagnetic wave blocking layer **10** can be formed on the inner or outer side or middle layer of the head covering body **11** or embedded therein by one of the techniques of weaving, stitching, doping and coating. For example, the electromagnetic wave blocking layer **10** can be made by weaving silver, copper or ferrite threads with cotton threads and synthetic threads, silver threads with natural threads and synthetic threads, or silver threads with natural threads and synthetic threads. Alternatively, the electromagnetic wave blocking layer **10** can be a silk fabric, cotton fabric, knit fabric or wool fabric, or any of a variety of other natural or synthetic fabric doped or coated with silver, copper or ferrite.

[0015] Preferably, the electromagnetic wave blocking layer **10** contains 90%~50% cotton and 10%~50% silver, copper or ferrite, or 90%~50% natural fiber and 10%~50% silver, copper or ferrite fiber, or 90%~50% synthetic fiber and 10%~50% silver, copper or ferrite fiber.

[0016] In conclusion, the invention provides an electromagnetic wave blocking head covering, which has advantages as follows:

[0017] 1. The head covering body **11** of the electromagnetic wave blocking head covering **1** is provided with an electromagnetic wave blocking layer **10** that can be formed on the inner or outer side of the head covering body **11** or embedded therein. When a person wears the electromagnetic wave blocking head covering **1**, the electromagnetic wave blocking layer **10** protects the user's head (cranial nerves and brain cells) against external electromagnetic waves.

[0018] 2. The electromagnetic wave blocking layer **10** can be a woven fabric containing silver fibers, or a natural or synthetic fabric doped or coated with silver, providing wearing comfort.

[0019] While only few embodiments of the present invention have been shown and described, it will be understood that various modifications and changes could be made thereunto without departing from the spirit and scope of the invention disclosed.

What is claimed is:

1. An electromagnetic wave blocking head covering, comprising a head covering body having an electromagnetic wave blocking layer joined thereto for protecting wholly or a part of the head of a person against external electromagnetic waves.

2. The electromagnetic wave blocking head covering as claimed in claim 1, wherein said electromagnetic wave blocking layer is formed on an inner or outer side of said head covering body or embedded therein.

3. The electromagnetic wave blocking head covering as claimed in claim 2, wherein said electromagnetic wave blocking layer is a piece of metal-contained cloth, or a piece of metal-contained foam material.

4. An electromagnetic wave blocking head covering, comprising a head covering body having an electromagnetic wave blocking layer arranged on an inner side or outer side thereof or embedded therein for protecting wholly or a part of the head of a person against external electromagnetic waves.

5. The electromagnetic wave blocking head covering as claimed in claim 4, wherein said electromagnetic wave blocking layer is formed by one of the techniques of weaving, stitching or bonding.

6. The electromagnetic wave blocking head covering as claimed in claim 5, wherein said electromagnetic wave blocking layer is made by weaving metallic threads with cotton threads and synthetic threads, metallic threads with natural threads and synthetic threads, metallic threads with natural threads and synthetic threads, silver threads with natural threads, or silver threads with synthetic threads.

7. The electromagnetic wave blocking head covering as claimed in claim 6, wherein said electromagnetic wave blocking layer is a silk fabric, cotton fabric, knit fabric or wool

fabric, or any of a variety of other natural or synthetic fabric doped or coated with a metallic material containing 90%~50% cotton and 10%~50% metallic fiber, or 90%~50% natural fiber and 10%~50% metallic fiber, or 90%~50% synthetic fiber and 10%~50% metallic fiber.

8. The electromagnetic wave blocking head covering as claimed in claim 7, wherein the metallic fiber contained in said electromagnetic wave blocking layer is selected from the group of silver-contained fiber, copper-contained fiber and ferrite-contained fiber.

9. The electromagnetic wave blocking head covering as claimed in claim 4, wherein said electromagnetic wave blocking layer is a metallic material-contained electromagnetic wave blocking layer joined to said head covering body by one of the techniques of weaving, stitching, doping, coating and bonding.

10. The electromagnetic wave blocking head covering as claimed in claim 9, wherein said electromagnetic wave blocking layer is a silver, copper or ferrite-contained electromagnetic wave blocking layer joined to said head covering body by one of the techniques of weaving, stitching, doping, coating and bonding.

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