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(54) **GRIP TAPE**

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(57) **ABSTRACT**

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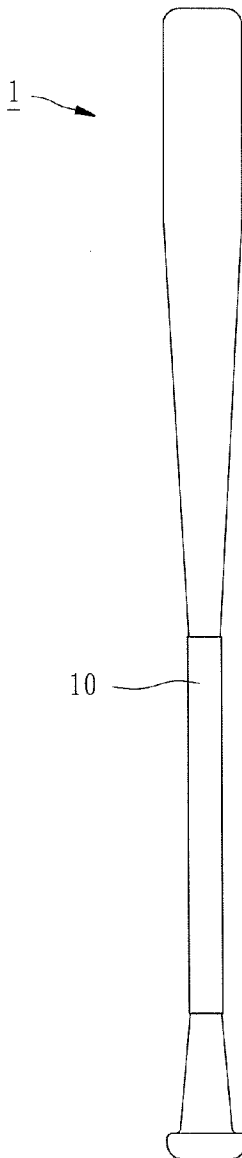
A grip tape includes a base layer covered by a first adhesive layer. The first adhesive layer is partially covered by a second adhesive layer that is adjacent to one lateral edge of the first adhesive layer. The first adhesive layer, after being attached to the grip tape, is adhesive and used to wrap a grip portion of a baseball bat or the like. By applying pressing, the first adhesive layer is tightly affixed to a peripheral wall of the base layer. The second adhesive layer includes hot glue and is wound together with the grip tape around the baseball bat in a predetermined angle so that the second adhesive layer overlaps a felt sheet or other materials in the base layer. At last, after a process of thermocompression bond or thermal reaction, the both can be tightly bound with each other.

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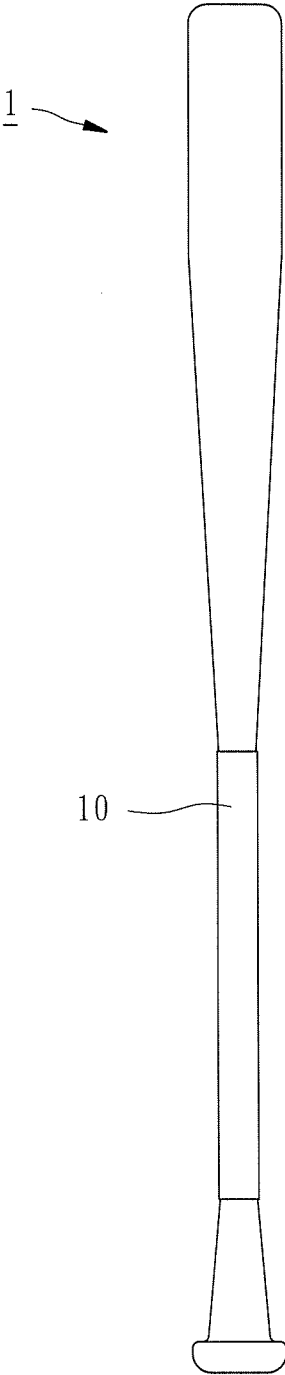


FIG. 1

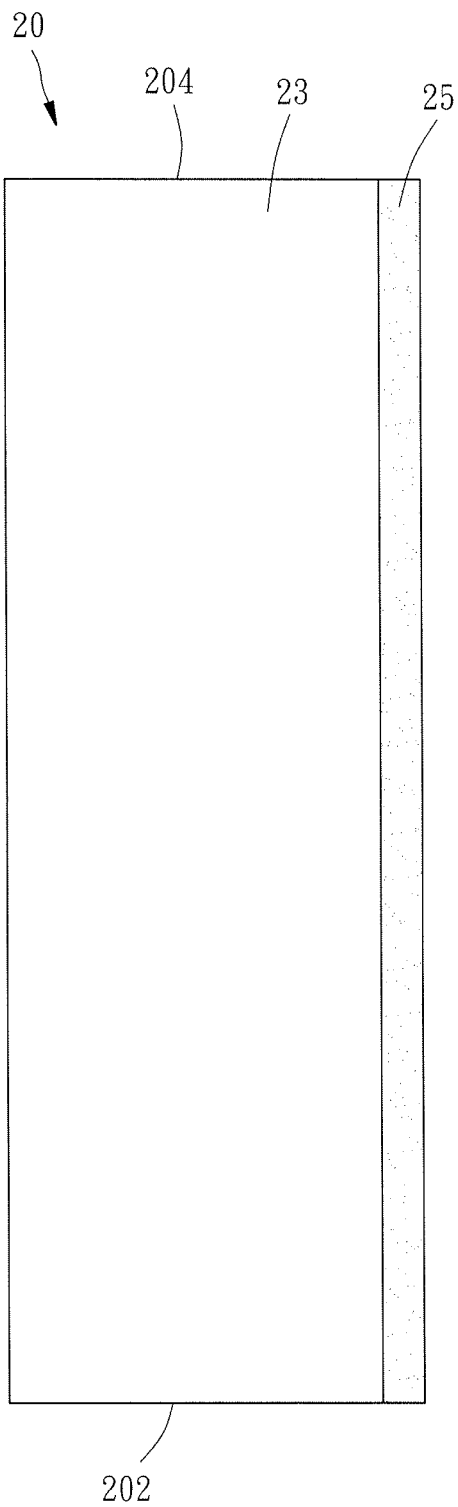


FIG. 2

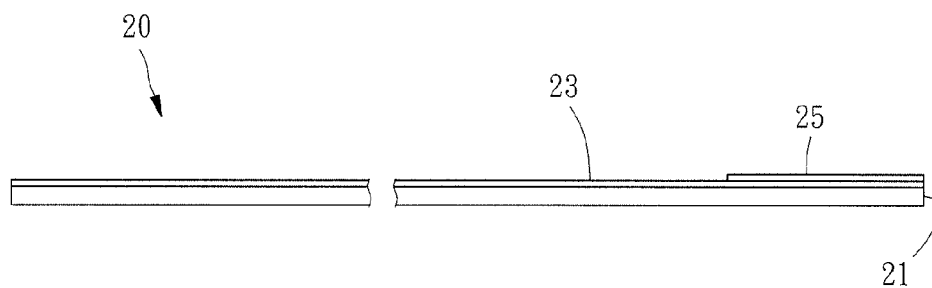


FIG. 3

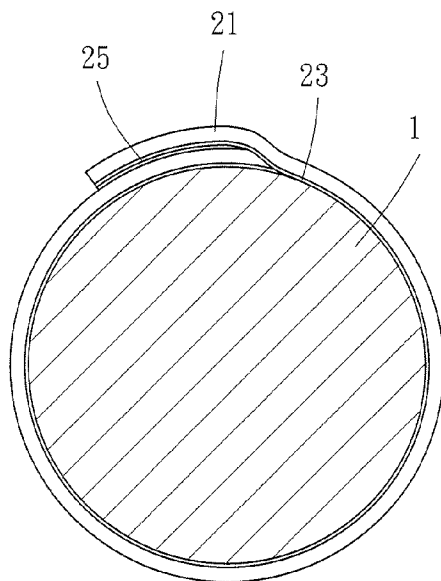


FIG. 4

GRIP TAPE

BACKGROUND OF THE INVENTION

[0001] 1. Technical Field

[0002] The present invention relates to grip tapes, and more particularly to a grip tape that wraps the grip portion of an external tool, such as a bat, racquet, a club or the like.

[0003] 2. Description of Related Art

[0004] Referring to FIG. 1, a grip tape **10** is used to cover or wrap a grip portion of a baseball bat **1**. There are many types of adhesive usable to make the grip tape **10**. Conventionally, in a process for producing the grip tape **10**, an adhesive sheet or a gluing member first has its sticky side or surface attached to the side of the grip tape **10** that will be used for adhesion or affixion. Then the grip tape **10** is wound to have some overlapped portions. Afterward, an external force is applied to the periphery of the wound grip tape **10** so as to make the overlapped portions of the grip tape **10** adhered to or bound with each other through the adhesive sheet or a gluing member.

[0005] However, in the event that the sticky side or surface of the adhesive sheet or a gluing member is poorly affixed to the grip tape **10**, or in the event that the grip tape **10** is poorly mounted or wound, or in the event that a user grips the baseball bat **1** with the grip tape **10** improperly and damages the grip tape **10**, the grip tape **10** has to be redone or rewound around the grip portion. The redoing or rewinding of the grip tape **10** may cause the adhesive combination between the baseball bat **1** and the grip tape **10** significantly degraded. This makes the process and operation inconvenient.

BRIEF SUMMARY OF THE INVENTION

[0006] In view of the shortcomings of the prior art and the significance of its improvement, it is the objective of the present invention to provide a grip tape, which is suitable for wrapping a grip portion of a bat, a racquet, a club or the like. The grip tape can be easily formed without using additional jigs or means to guide the grip tape during the tape's winding, so its manufacturing is convenient and it allows the relevant components to be bound firmly.

[0007] For achieving the foregoing objective, the present invention provides a grip tape that is wound around a grip portion of an external tool and comprises a base layer, having one side covered by a first adhesive layer that is so partially covered by a second adhesive layer that the second adhesive layer is adjacent to one lateral edge of the first adhesive layer, wherein, the grip tape has a first end and a second end opposite to the first end, in which the first end is close to a terminal edge of the grip portion, and the second end is far from the terminal edge of the grip portion, and wherein, when the first adhesive layer wraps the grip portion, the second adhesive layer partially overlaps an outer wall of the base layer.

[0008] Therein, each of the two adhesive layers is adhered to, combined with, or bound to the base layer.

[0009] Therein, the second adhesive layer takes up between 0.1% and 25% of an overall area of the first adhesive layer.

[0010] Therein, the second adhesive layer takes up between 0.1% and 25% of an overall width of the first adhesive layer defined by the first and second ends.

[0011] Therein, the second adhesive layer overlaps the base layer, and takes up between 0.1% and 25% of an overall unit area of the outer wall of the base layer.

[0012] Therein, the second adhesive layer overlaps the base layer, and takes up between 0.1% and 25% of an overall width of the outer wall of the base layer defined by the first and second ends.

[0013] To sum up, the present invention has the following structural features. First, the first adhesive layer, after being attached to the grip tape, is adhesive and used to wrap a grip portion of a baseball bat or the like in a predetermined angle. By applying pressing, the first adhesive layer is tightly affixed to a peripheral wall of the base layer. Second, the second adhesive layer includes hot glue and is wound together with the grip tape around the baseball bat in a predetermined angle so that the second adhesive layer overlaps the felt outer wall of the base layer. After a process of thermocompression bond or thermal reaction, the both can be tightly bound with each other. Thereby, the disclosed grip tape is convenient to manufacture and it allows the relevant components to be bound firmly, so as to achieve the expected benefits and objective of the present invention.

[0014] The grip tape of the present invention and its intended effects will be detailed in the description given below.

BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWINGS

[0015] FIG. 1 is a perspective view of a conventional structure.

[0016] FIG. 2 is a schematic drawing of a preferred embodiment of the present invention taken from a first viewpoint.

[0017] FIG. 3 is a schematic drawing of the preferred embodiment of the present invention taken from a second viewpoint.

[0018] FIG. 4 is a cross-sectional, applied view of the preferred embodiment of the present invention.

DETAILED DESCRIPTION OF THE INVENTION

[0019] The following preferred embodiments when read with the accompanying drawings are made to clearly exhibit the above-mentioned and other technical contents, features and effects of the present invention. Through the exposition by means of the specific embodiments, people would further understand the technical means and effects the present invention adopts to achieve the above-indicated objectives. However, the accompanying drawings are intended for reference and illustration, but not to limit the present invention and are not made to scale. Unless otherwise noted, like elements will be identified by identical numbers throughout all figures.

[0020] Referring to FIG. 2 and FIG. 3, in a preferred embodiment of the present invention, a grip tape **20** for wrapping a grip portion of a baseball bat **1** comprises a base layer **21**.

[0021] The base layer **21** has one side thereof covered by a first adhesive layer **23** that is partially covered by a second adhesive layer **25**. The second adhesive layer **25** is adjacent to one lateral edge of the first adhesive layer **23**.

[0022] Therein, each of the two adhesive layers **23**, **25** may be adhered to, combined with, or bound to the base layer **21**. The glue of the second adhesive layer **25** is different from the glue of the first adhesive layer **23**.

[0023] Therein, the grip tape **20** has a first end **202** and a second end **204** opposite to the first end **204**. The first end **202** of the grip tape **20** is close to a terminal edge of the grip

portion of the baseball bat **1**, and the second end **204** is away from the terminal edge of the grip portion of the baseball bat **1**.

[0024] Therein, the second adhesive layer **25** takes up between 0.1% and 25% of an overall area of the first adhesive layer **23**.

[0025] Therein, the second adhesive layer **25** takes up between 0.1% and 25% of an overall width of the first adhesive layer **23** defined by the first end **202** and the second end **204**.

[0026] Therein, the material used for making the base layer **21** may be, but is not limited to, felt and its related products.

[0027] Therein, the material used for making the first adhesive layer **23** may be, but is not limited to, solvent-type adhesive tape, lotion-type adhesive tape, hot-glue tape, rolled adhesive tape, and reactive adhesive tape.

[0028] Therein, the material used for making the second adhesive layer **25** may be, but is not limited to, ethylene-vinyl-acetate-based hot glue, polyimide hot glue, thermoplastic-rubber-based hot-melt pressure-sensitive adhesive, polyolefin-based hot glue, and polyurethane-reactive hot glue.

[0029] With the aforementioned configuration, and with further reference to FIG. 4, the disclosed grip tape **20** has the following structural features. First, the first adhesive layer **23**, after being attached to the grip tape **20**, is adhesive and used to wrap a grip portion **1** of a baseball bat or the like in a predetermined angle. By applying pressing, the first adhesive layer **23** is tightly affixed to a peripheral wall of the base layer **21**. Second, the second adhesive layer **25** includes hot glue and is wound together with the grip tape **20** around the baseball bat **1** in a predetermined angle so that the second adhesive layer **25** overlaps the felt outer wall of the base layer **21**. After a process of thermocompression bond or thermal reaction, the both can be tightly bound with each other.

[0030] Therein, the area where the second adhesive layer **25** wraps and overlaps the outer wall of the base layer **21** of the grip tape **20** takes up between 0.1% and 25% of the overall area of the outer wall of the base layer **21**.

[0031] Therein, the width where the second adhesive layer **25** wraps and overlaps the outer wall of the base layer **21** of the grip tape **20** takes up between 0.1% and 25% of the overall width of the outer wall of the base layer **21** defined by the first end **202** and the second end **204**.

[0032] Thereby, the grip tape **20** can be easily formed without using additional jigs or means to guide the grip tape during the tape's winding, so its manufacturing is convenient and it allows the relevant components to be bound firmly. Moreover, the disclosed grip tape **20** is applicable to various ball-game equipment (including but not limited to tennis racquets, table-tennis paddles, golf clubs, badminton rackets, and so on), fishing poles, and tools (including but not limited to screw drivers, hammers, flashlights, and so on), office chair armrests, door handles, etc. Thereby, the disclosed grip tape is really convenient to manufacture and it allows the relevant components to be bound firmly, so as to achieve the expected benefits and objective of the present invention.

[0033] The present invention has been described with reference to the preferred embodiments and it is understood that the embodiments are not intended to limit the scope of the present invention. Moreover, as the contents disclosed herein should be readily understood and can be implemented by a person skilled in the art, all equivalent changes or modifications which do not depart from the concept of the present invention should be encompassed by the appended claims.

What is claimed is:

1. A grip tape, being wound around a grip portion of an external tool and comprising:

a base layer, having one side covered by a first adhesive layer that is so partially covered by a second adhesive layer that the second adhesive layer is adjacent to one lateral edge of the first adhesive layer,

wherein, the grip tape has a first end and a second end opposite to the first end, in which the first end is close to a terminal edge of the grip portion, and the second end is far from the terminal edge of the grip portion, and wherein, when the first adhesive layer wraps the grip portion, the second adhesive layer partially overlaps an outer wall of the base layer.

2. The grip tape of claim 1, wherein each of the two adhesive layers is adhered to, combined with, or bound to the base layer.

3. The grip tape of claim 2, wherein the second adhesive layer takes up between 0.1% and 25% of an overall area of the first adhesive layer.

4. The grip tape of claim 3, wherein the second adhesive layer takes up between 0.1% and 25% of an overall width of the first adhesive layer defined by the first and second ends.

5. The grip tape of claim 4, wherein the second adhesive layer overlaps the base layer, and takes up between 0.1% and 25% of an overall area of the outer wall of the base layer.

6. The grip tape of claim 1, wherein the second adhesive layer takes up between 0.1% and 25% of an overall area of the first adhesive layer.

7. The grip tape of claim 6, wherein the second adhesive layer takes up between 0.1% and 25% of an overall width of the first adhesive layer defined by the first and second ends.

8. The grip tape of claim 7, wherein the second adhesive layer overlaps the base layer, and takes up between 0.1% and 25% of an overall area of the outer wall of the base layer.

9. The grip tape of claim 1, wherein the second adhesive layer takes up between 0.1% and 25% of an overall width of the first adhesive layer defined by the first and second ends.

10. The grip tape of claim 1, wherein the second adhesive layer overlaps the base layer, and takes up between 0.1% and 25% of an overall width of the outer wall of the base layer defined by the first and second ends.

11. The grip tape of claim 2, wherein the second adhesive layer overlaps the base layer, and takes up between 0.1% and 25% of an overall width of the outer wall of the base layer defined by the first and second ends.

12. The grip tape of claim 3, wherein the second adhesive layer overlaps the base layer, and takes up between 0.1% and 25% of an overall width of the outer wall of the base layer defined by the first and second ends.

13. The grip tape of claim 4, wherein the second adhesive layer overlaps the base layer, and takes up between 0.1% and 25% of an overall width of the outer wall of the base layer defined by the first and second ends.

14. The grip tape of claim 5, wherein the second adhesive layer overlaps the base layer, and takes up between 0.1% and 25% of an overall width of the outer wall of the base layer defined by the first and second ends.

15. The grip tape of claim 6, wherein the second adhesive layer overlaps the base layer, and takes up between 0.1% and 25% of an overall width of the outer wall of the base layer defined by the first and second ends.

16. The grip tape of claim 7, wherein the second adhesive layer overlaps the base layer, and takes up between 0.1% and

25% of an overall width of the outer wall of the base layer defined by the first and second ends.

17. The grip tape of claim **8**, wherein the second adhesive layer overlaps the base layer, and takes up between 0.1% and 25% of an overall width of the outer wall of the base layer defined by the first and second ends.

18. The grip tape of claim **9**, wherein the second adhesive layer overlaps the base layer, and takes up between 0.1% and 25% of an overall width of the outer wall of the base layer defined by the first and second ends.

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