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(54) **Golf counter**

(57) A golf counter (1) includes a bottom wheel member (11) marked with a series of numerals (112), a middle wheel member (12) pivoted to the first wheel member and marked with a series of numerals (122) and having a through viewing hole (124) for showing one of the numerals of the bottom wheel member (11) so that the bottom wheel member (11) and the middle wheel member

(12) are rotatable relative to each other to count strokes, and a top wheel member (13) pivoted to the bottom wheel member (11) and the middle wheel member (12) and having a through viewing hole (132) for showing one of the numerals of the middle wheel member (12) so that the top wheel member (13) is rotatable relative to the middle wheel member (12) to count putts.

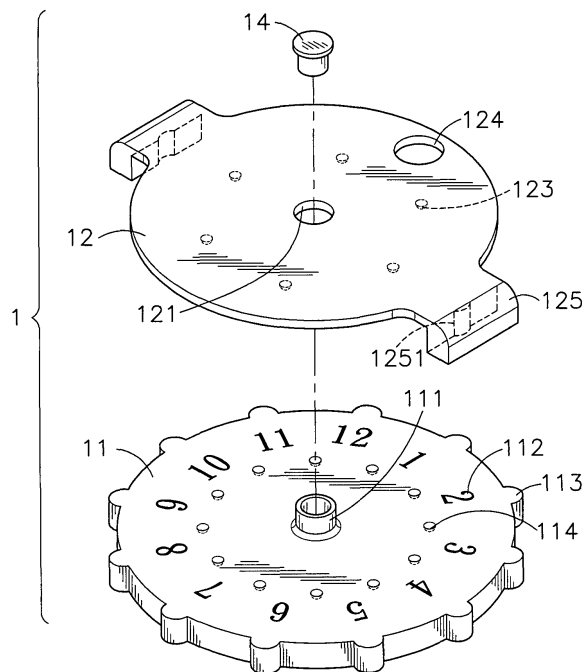


FIG. 1

Description**BACKGROUND OF THE INVENTION****1. Field of the Invention:**

[0001] The present invention relates to golf accessories and more particularly, to a golf counter that can be fastened to a necktie clip or golf glove for counting strokes as well as putts.

2. Description of the Related Art:

[0002] Most golf courses consist of eighteen holes. The first stroke on each hole is hit from the teeing ground. Once on the green, the ball is putted toward the hole. Golf is a popular sport across all sections of society. People usually play golf in groups. Each player records the score on a score card with a pen. It is inconvenient to record the score in this manner. Further, a beginner may forget the number strokes actually played, raising a dispute.

[0003] Further, people may wear golf gloves when playing the game of golf. It is inconvenient for a player to pick up a pen and a score card for recording the score when wearing golf gloves.

[0004] Further, people may use an electronic scorer with push button for counting strokes during a golf game. However, it is inconvenient to use an electronic scorer with push button during a golf game.

SUMMARY OF THE INVENTION

[0005] The present invention has been accomplished under the circumstances in view. It is the main object of the present invention to provide a golf counter, which has simple and small-size characteristics for use as a badge. The another object of the present invention is to provide a golf counter, which is convenient for use to count strokes as well as putts during a golf game.

[0006] According to one aspect of the present invention, the golf counter comprises a first wheel member, a second wheel member, and a third wheel member. These three stacked wheels are pivotally connected. The first wheel member has a series of numerals marked on its top side for counting strokes. The second wheel member has a through viewing hole for the numerals of the first wheel member, and is marked with a series of numerals for counting putts. The third wheel member has a through viewing hole for the numerals of the second wheel member.

[0007] According to another aspect of the present invention, the golf counter can be fastened to a clip, for example, necktie clip, by means of a magnet. Alternatively, the golf counter can be directly riveted to a golf glove for convenient use.

BRIEF DESCRIPTION OF THE DRAWINGS**[0008]**

5 FIG. 1 is an exploded view of a golf counter in accordance with a first embodiment of the present invention.

FIG. 2 is an exploded view of a golf counter in accordance with a second embodiment of the present invention.

10 FIG. 3 is an elevational assembly view of the golf counter in accordance with the second embodiment of the present invention.

FIG. 4 is a sectional side view of the golf counter in accordance with the second embodiment of the present invention.

FIG. 5 is an exploded view of a golf counter in accordance with a third embodiment of the present invention.

20 FIG. 6 is a side view of a golf counter in accordance with a fourth embodiment of the present invention.

FIG. 7 illustrates the golf counter of the second embodiment of the present invention riveted to a golf glove.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

[0009] Referring to FIG. 1, a golf counter **1** in accordance with the first embodiment of the present invention is shown comprising a first wheel member **11** and a second wheel member **12**. This first embodiment is for counting strokes, including putts, during a golf game.

[0010] The first wheel member **11** has a stub center shaft **111** perpendicularly protruding from the center of its top side with a series of numerals (for example, 1~12) **112** marked on it and equiangularly spaced around the stub center shaft **111**, multiple turning/interlocking devices **113** equiangularly spaced around the peripheral, and multiple of recesses **114** formed on the top side and equiangularly spaced around the stub center shaft **111**.

[0011] The second wheel member **12** is attached to the top side of the first wheel member **11**, having a center pivot hole **121** coupled to the stub center shaft **111** of the first wheel member **11**, a through viewing hole **124** for the user to see one of the numerals **112**, two downward lugs **125** extending from the periphery at two opposite sides, a positioning device **1251** formed on the inside of each of the downward lugs **125** and respectively engaged with one of the turning/interlocking **113** of the first wheel member **11** to hold down the second wheel member **12** to the first wheel member **11** in such a position that the through viewing hole **124** is aimed at one of the numerals **112**, and multiple raised stubs **123** protruding from its bottom side and equiangularly spaced around the center pivot hole **121** and respectively engaged into the recesses **114** of the first wheel member **11**. Further, a pivot cap **14** is fastened to the stub center shaft **111** of the first

wheel member **11** to secure the second wheel member **12**, allowing turning the second wheel member **12** around the stub center shaft **111** of the first wheel member **11**.

[0012] During a golf game after each stroke, the user rotates the first wheel member **11** relative to the second wheel member **12** to shift the engagement between the positioning devices **1251** of the downward lugs **125** and the turning/interlocking devices **113** of the first wheel member **11** by one notch, thereby counting the number of strokes.

[0013] Referring to FIGS. 2-4, a golf counter **1** in accordance with a second embodiment of the present invention is shown comprising a bottom wheel member **11**, a middle wheel member **12**, and a top wheel member **13**. This first embodiment is for counting total strokes of each hole during a golf game. The bottom wheel member **11** of this second embodiment is similar to that of the aforesaid first embodiment but only for tee and fairway shots. The middle wheel member **12** of this second embodiment is substantially similar to that of the aforesaid first embodiment with the exception that the middle wheel member **12** of this second embodiment further has a series of numerals (for example, 0~5) **122**, for counting number of putts, marked on the top side and equiangularly spaced around the center pivot hole **121**. The top wheel member **13** is attached on top of the middle wheel member **12**, having a diameter relatively smaller than the middle wheel member **12**, a center hole **131** pivotally coupled to the center stub shaft **111** of the bottom wheel member **11**, a through viewing hole **132** through which the user can see one of the numerals **122**, and at least one, for example, two raised stubs **133** protruded from the bottom side and engaged into the raised stubs **123** of the middle wheel member **12**.

[0014] After each stroke during a golf game, the user can rotate the bottom wheel member **11** relative to the middle wheel member **12** to shift the engagement between the positioning devices **1251** of the downward lugs **125** and the turning/interlocking devices **113** of the bottom wheel member **11** by one notch, thereby counting the number of strokes, or rotate the top wheel member **13** relative to the middle wheel member **12** to shift the engagement between the raised stubs **133** of the third wheel member **13** and the recesses **123** of the second wheel member **12** to count putts.

[0015] Referring to FIGS. 6 and 7, the golf counter **1** can be fastened to the metal base member **41** or **51** of a metal clip **4** or **5** by means of a magnet **3**. By means of the metal clip **4** or **5**, the golf counter **1** can be fastened to the user's clothing.

[0016] Referring to FIG. 8, the golf counter **1** may be directly riveted to a golf glove **6** for convenient use.

[0017] As indicated above, the invention provides a golf counter, which has the following features.

1. The golf counter is comprised of a bottom wheel member **11**, a middle wheel member **12**, and a top wheel member **13**. The bottom wheel member **11**,

the middle wheel member **13** and the top wheel member **13** are pivotally connected together in a stack. The bottom wheel member **11** has a series of numerals **112** marked on its top side for counting strokes, and multiple turning/interlocking devices **113** equiangularly spaced around the periphery. The middle wheel member **12** has a through viewing hole **124** through which one of the numerals **112** of the bottom wheel member **11** is seen, a positioning device **1251** on each of two opposite peripheral downward lugs **125** thereof for engagement with the turning/interlocking devices **113**, a series of numerals **122** marked on its top side for counting putts, and multiple recesses **123** equiangularly spaced on its top side. The top wheel member **13** has a through viewing hole **132** through which one of the numerals **122** of the middle wheel member **12** is shown, and raised stubs **133** at its bottom side for engagement with recesses **123** of the middle wheel member **12**. By means of rotating the bottom wheel member **11** relative to the middle wheel member **12**, the user can count strokes during a golf game. By means of rotating the top wheel member **13** relative to the middle wheel member **12**, the user can count putts during a golf game.

2. The golf counter **1** can be equipped with a necktie clip **4** or clip **5** for fastening to the user's clothing. Alternatively, the golf counter **1** can be directly riveted to a golf glove **6** for convenient use.

[0018] Although particular embodiments of the invention have been described in detail for purposes of illustration, various modifications and enhancements may be made without departing from the spirit and scope of the invention. Accordingly, the invention is not to be limited except as by the appended claims.

1. Golf counter
11. First wheel member/bottom wheel member
111. Stub center shaft
112. Numeral
113. Turning/interlocking device
114. Recess
12. Second wheel member/middle wheel member
121. Center pivot hole
123. Raised stub
124. Through viewing hole
125. Downward lug
1251. Positioning device
13. Top wheel member
131. Center hole
132. Through viewing hole
133. Raised stub
14. Pivot cap
3. Magnet
4. Metal clip

- 41. Metal base member
- 5. Metal clip
- 51. Metal base member
- 6. Golf golve

prising a clip, and a magnet that fasten said first wheel member to said necktie clip by means of magnetic attraction.

- 5 5. The golf counter as claimed in claim 1, wherein said clip is a necktie clip.
- 6. The golf counter as claimed in claim 1, wherein said pivot shaft of said first wheel member is riveted to a golf glove.

Claims

- 1. A golf counter comprising:

a bottom wheel member comprising a stub center shaft, a series of numerals marked on a top side thereof and equiangularly spaced around said stub center shaft for counting strokes, a multiple turning/interlocking devices equiangularly spaced around the periphery thereof; and a middle wheel member pivotally coupled to the stub center shaft of said bottom wheel member and supported on the top side of said bottom wheel member, said middle wheel member having a through viewing hole for showing one of the numerals of said bottom wheel member, and two downward lugs extending from the periphery thereof at two opposite sides, said downward lugs each having a positioning device for engagement with the turning/interlocking devices of said bottom wheel member.

- 2. The golf counter as claimed in claim 1, wherein said middle wheel member has a series of numerals marked on the top side of said bottom wheel member and equiangularly spaced around the stub center shaft of said bottom wheel member, and multiple recesses formed on the top side thereof and equiangularly spaced around the stub center shaft of said bottom wheel member; a top wheel member is supported on top of said middle wheel member and pivotally coupled to the stub center shaft of said bottom wheel member and rotatable relative to said middle wheel member for counting putts, said top wheel member having a through viewing hole for showing one of the numerals of said middle wheel member, and at least one raised stubs for engaging the recesses of said middle wheel member to hold the through viewing hole in alignment with one numeral of said middle wheel member.

- 3. The golf counter as claimed in claim 1, wherein said bottom wheel member has multiple recesses formed on the top side thereof and equiangularly spaced around said stub center shaft; said middle wheel member has multiple raised stubs protruded from the bottom side thereof and engaged with the recesses of said bottom wheel member.

- 4. The golf counter as claimed in claim 1, further com-

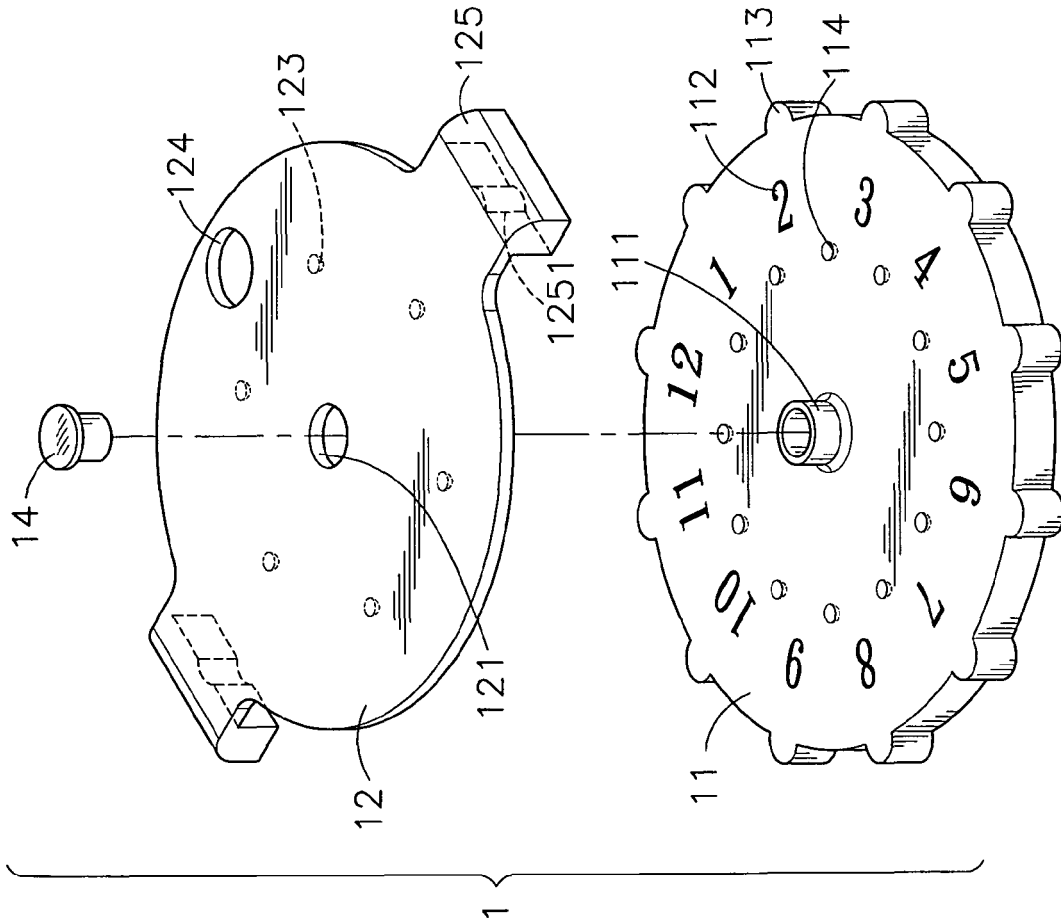


FIG. 1

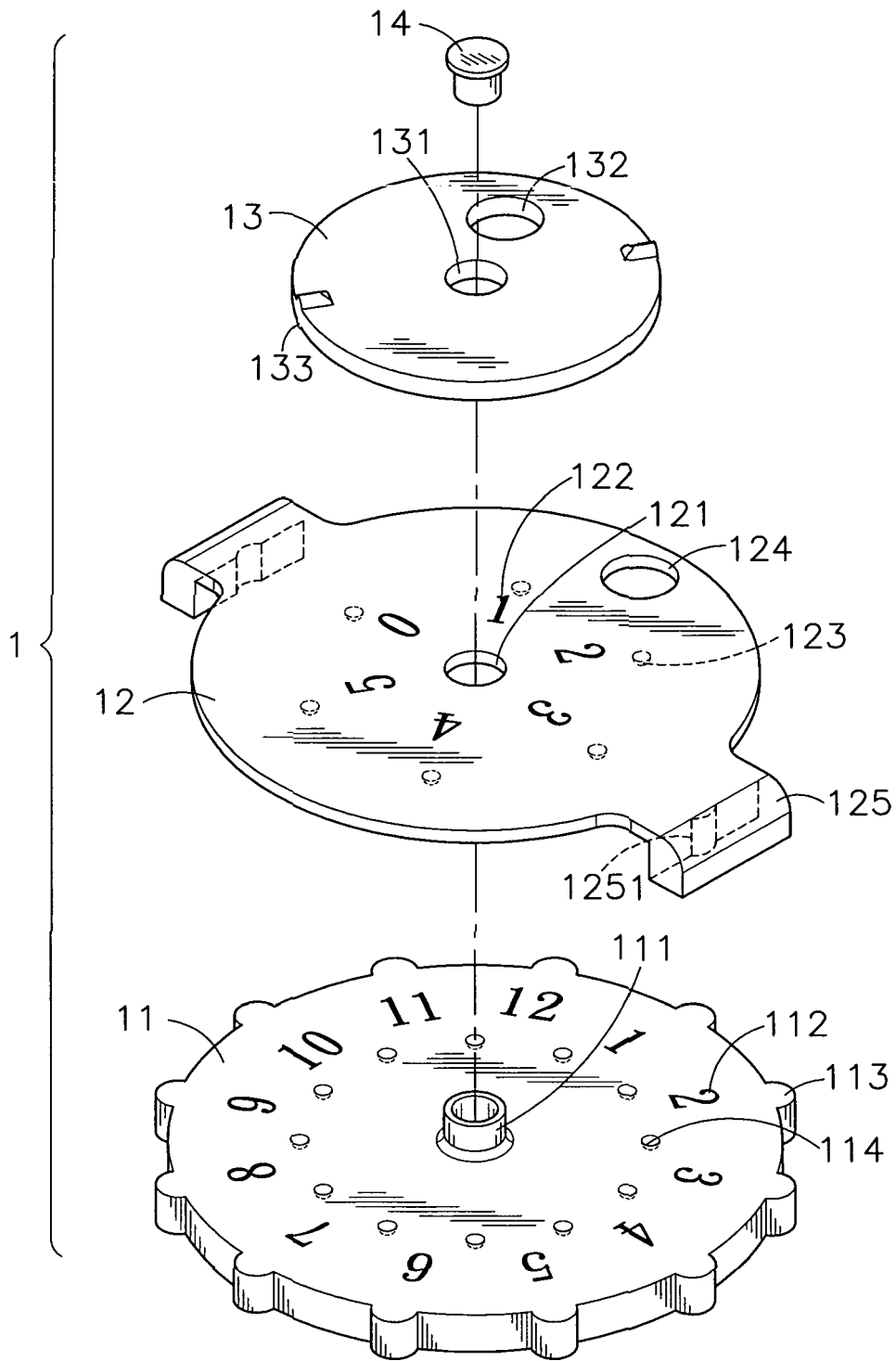


FIG. 2

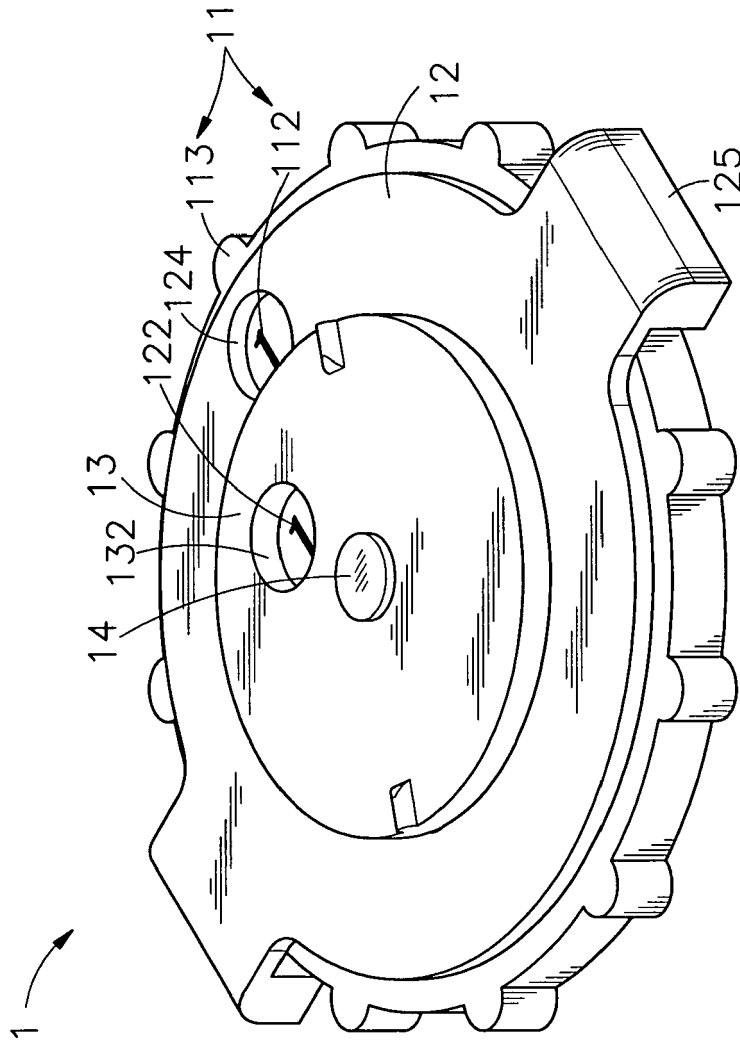


FIG. 3

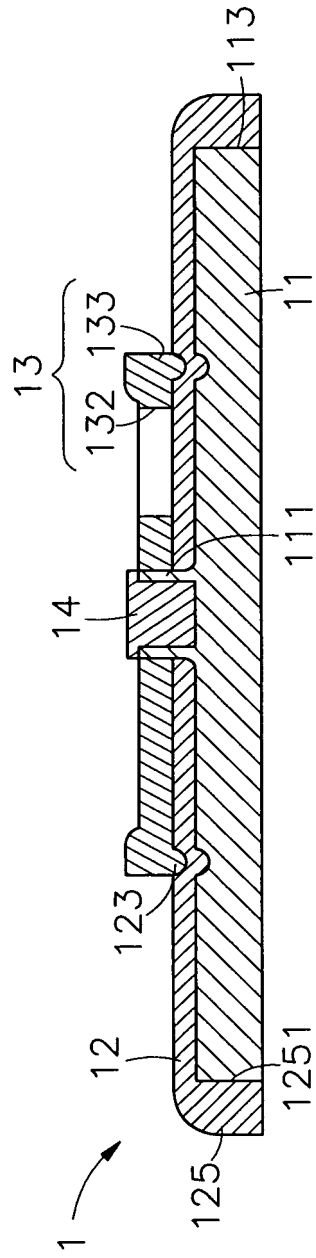


FIG. 4

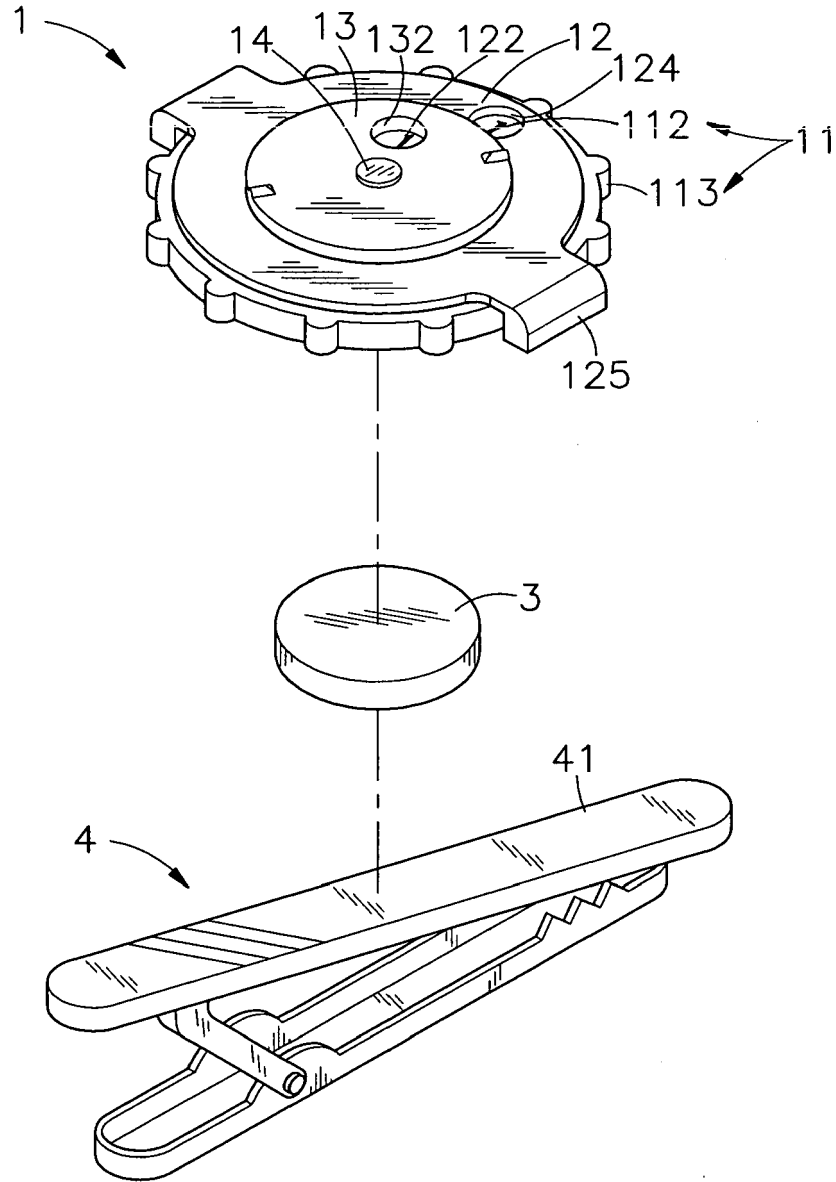


FIG. 5

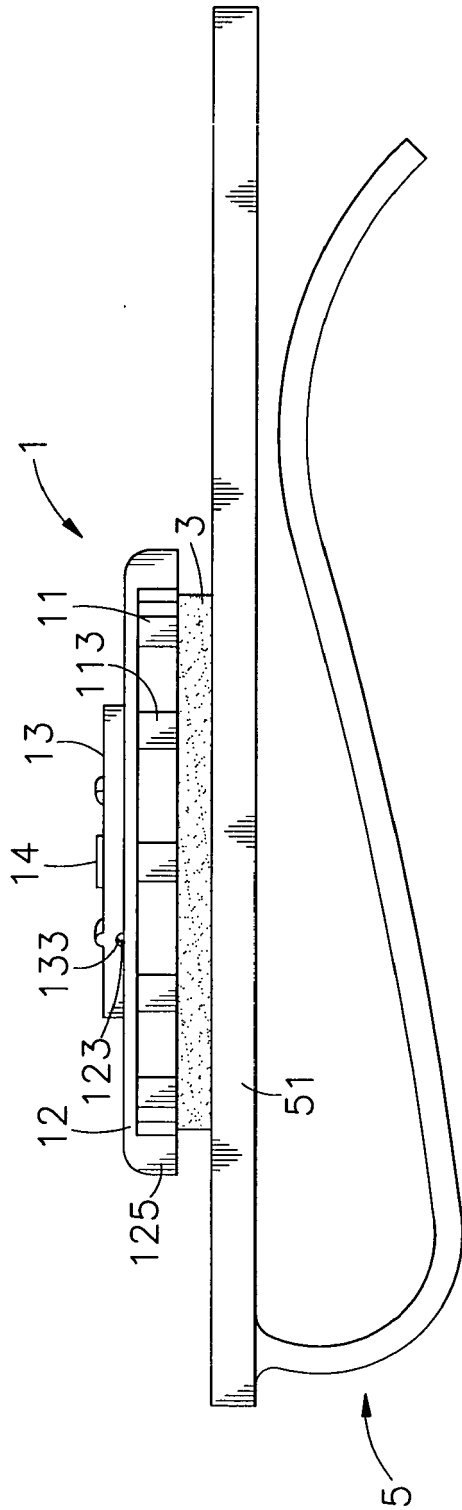


FIG. 6

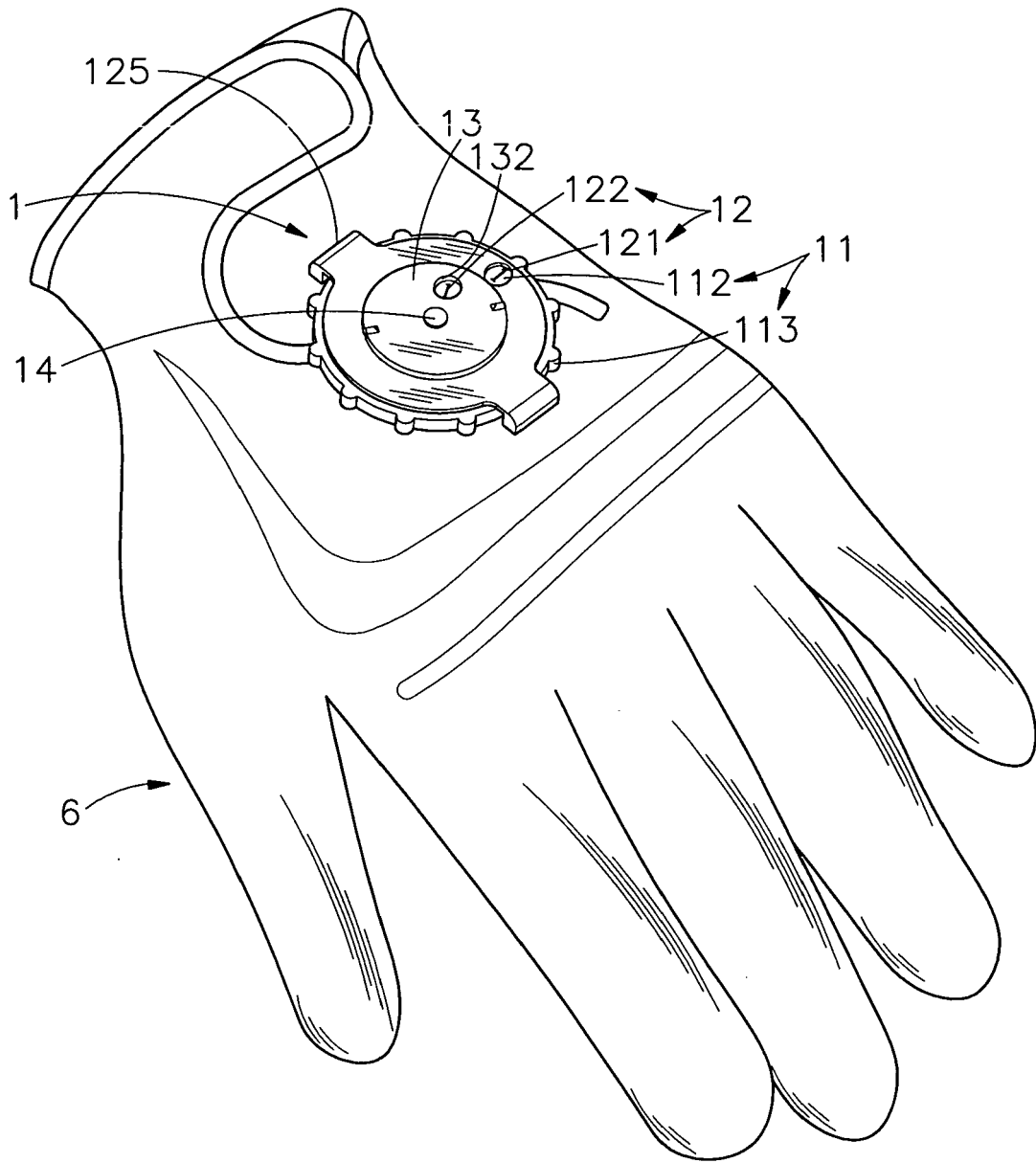


FIG. 7



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 5 730 658 A (KURTZ ET AL.) 24 March 1998 (1998-03-24) * the whole document *	1,3-6	INV. G06M1/00 G06M1/26 A63B71/06
X	DE 20 2006 009516 U1 (HAMMER) 17 August 2006 (2006-08-17) * paragraphs [0009], [0017] - [0020]; figures 2,5-9 *	1,3-6	ADD. G09F11/04
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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 27 December 2007	Examiner Williams, Mark
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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EPO FORM 1503 03.02 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 07 01 6679

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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27-12-2007

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