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(54) **Kid identification wristband**

(57) The present invention discloses a kid identification wristband, which comprises a clip (1) and a band (2), wherein the clip (1) consists of a lid part (4) connected to a bottom part (3) through a connecting part (5). In the center of the bottom part (3) a positioning column (10) is provided, with two squeezing parts set symmetrically at the two sides of the bottom part (3). Retaining pawls (12) are provided on the lid part (4), and two inserting parts (6) with grooves (9) are disposed symmetrically at the two sides of the lid part (4) corresponding to the protruding parts (8) provided on said squeezing parts. An opening (13) is provided at the connecting part (5), and another

narrow opening (14) is provided on the bottom part (3) some distance away from the connecting part (5). The band (2) is fastened to the clip (1) in such a way that one end of the band is fixed by the positioning column (10) and the other free end of band (2) passes through the narrow opening (14) of the bottom part and then the opening (13) of the connecting part (5) and is fastened between the bottom part (3) and the lid part (4). The advantages of the present invention are that the identification band can be fastened firmly and can be opened easily with merely two fingers as well as being easy and safe to operate.

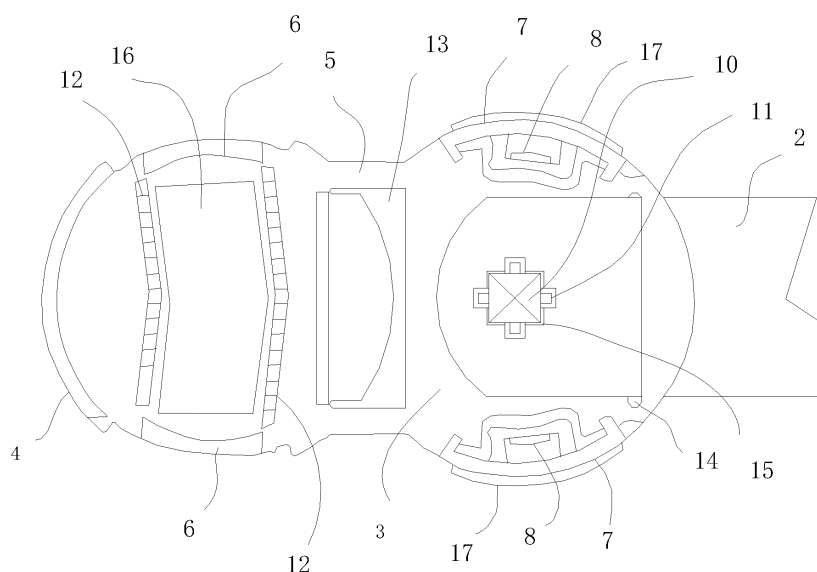


Fig.3

Description

Technical Field

[0001] The present invention refers to an identification wristband, and in particular, to the identification wristband for child use.

Background of the Invention

[0002] For the identification wristband is for child use, it is necessary to provide safety to a maximum extent. Most of the existing identification wristbands are closed by a clip that may be closed and opened repeatedly. The identification wristband which contains the information of the kid can be fastened on the wrist of a kid for identification. However, it always necessary with two hands to close or open the clip on prior art wristbands, which is rather inconvenient. It takes a lot of time to complete these acts, especially for the young kids who not always are able to cooperate. Furthermore, the existing clip used on the wristband which can be closed or opened repeatedly has poor function in fastening as the band is very easily pulled out even in fastened position.

Summary of the Invention

[0003] The object of the present invention is to provide a kid identification wristband which can be fastened securely and is easy to use.

[0004] The kid identification wristband according to the present invention comprises a clip and a band, wherein the clip consists of a lid part connected to a bottom part through a connecting part. At the centre of the bottom part a positioning column is provided, with two squeezing parts disposed symmetrically at the two opposite sides of the bottom part. The squeezing parts are provided with laterally protruding parts. Retaining pawls are provided on the lid part, and two inserting parts with grooves are disposed symmetrically at the two sides of the lid part, corresponding to the protruding parts set on said squeezing parts. An opening is provided at the connecting part, and another narrow opening is provided on the bottom part far away from the connecting part. The band is capable of being fastened to the clip in such a way that one end of the band is fixed by the positioning column and the other free end passes through the narrow opening of the bottom part and then the opening of the connecting part, thus being fastened between the bottom part and the lid part of the clip.

[0005] The wristband is fixed between the lid part and the bottom part when the clip is closed as the two parts are connected through a connecting part. When one end of band is fixed, the other free end of the band passes through the narrow opening of the bottom part of the clip and goes around a wrist, then passing through the opening of the connecting part of the clip so that the free end comes between the lid part and the bottom part of the

clip. Thus, when the clip is closed, the friction between the band and the narrow opening of the bottom part is increased; meanwhile, the band is snapped by the retaining pawls which also help to increase the friction so that the band is fixed firmly. The squeezing parts at two sides of the bottom part are corresponding to the inserting parts at two sides of the lid part. When the two squeezing parts are pressed the two protruding parts are released from the grooves, and consequently the clip is opened. It requires merely two fingers to operate, and therefore is easy to use.

[0006] Said squeezing part is U-shaped, wherein the protruding part is provided on the inner wall of the squeezing part, which is received in the groove of the inserting part when the inserting part is inserted into the squeezing part at locking position. When the squeezing parts are pressed from the outside, the inner walls of squeezing parts move together with the protruding parts which are released from the grooves, and the inserting parts are therefore released from the squeezing parts. Hence, it is easy to operate and requires less strength to open the clip.

[0007] The lid part and the bottom part of the clip may both be with round shape without sharp edges or corners, which will not cause scratches on the wearer's skin. Further, the symmetrical arrangement enables easy operation and better decoration effect.

[0008] An opening is provided at one end of said band which is for co-operation with and fixing into position over said positioning column on the bottom part, enabling easy exchange of band without extra parts.

[0009] The cross-section of the positioning column is of quadrilateral shape and projecting parts are set on the walls around the positioning column so as to provide a better fixation of the wristband. There are two rows of retaining pawls which are so arranged that they rest on different sides of the positioning column when the clip is closed, which provides more friction between the clip and the band so as to enable the wristband to be fixed more firmly in between the lid part and the bottom part.

[0010] An information area is provided between said two rows of retaining pawls on the lid part, where an identification information carrier can be attached, which contains the same identification information as that on the band so as to provide double protection for identification information. Anti-slip strips in the form of elongated projections are provided on the outside of the squeezing parts, enabling convenient operation with fingers and also functioning as guidance of operation.

[0011] The present invention has many advantages such as: the clip can be opened with merely two fingers; it is easy and safe to operate and the band can be firmly fastened around the wrist of a wearer.

Brief Descriptions of the Drawings

[0012]

- Fig. 1 is a bottom view of the clip in an open position;
 Fig. 2 is a bottom view of the clip in a closed position;
 Fig. 3 is a schematic view of the clip connecting with the information band; and
 Fig. 4 is a cross-section of the clip according to the present invention during use.

Detailed Description of the Preferred Embodiment

[0013] Referring to Figures 1, 2 and 3, the kid identification wristband comprises a clip 1 and a band 2. The clip 1 consists of a lid part 4 connected to a bottom part 3 through a connecting part 5. At the centre of the bottom part 3, a positioning column 10 is provided, with two squeezing parts 7 disposed symmetrically at two opposing sides of the bottom part 3. The squeezing parts 7 are provided with laterally projecting parts 8, see Fig. 4. Two rows of retaining pawls 12 are provided on the lid part 4, and two inserting parts 6 with grooves 9 are disposed symmetrically at the two sides of the lid part 4; the grooves 9 correspond in shape to the protruding parts 8 provided on said squeezing parts 7 such as to provide locking engagement between squeezing parts 7 and inserting parts 6. The squeezing parts 7 are U-shaped, and the protruding part 8 is provided at the inner wall of the squeezing part 7 and received in the groove 9 of the inserting part 6 when the inserting part 6 is inserted into the squeezing part 7 in locking position. When the squeezing parts 7 are pressed from outside, the inner walls of squeezing parts 7 move together with the protruding parts 8 which are released from the grooves 9, and the inserting parts 6 are therefore released from the squeezing parts 7.

[0014] An opening 13 is provided at the connecting part 5, and another narrow opening 14 is provided on the bottom part 3 which is far away from the connecting part 5. An opening 15 is provided at one end of the band 2, which is for co-operation with and fixing into position over said positioning column 10 on the bottom part 3. The other free end of the band 2 passes in sequence through the narrow opening 14 and the opening 13 and is then fixed between the bottom part 3 and the lid part 4 of the clip. Two rows of retaining pawls, preferably with saw-tooth shape, extend from the lid part 4. When the bottom part 3 and the lid part 4 are in closed position, the two rows of the retaining pawls 12 are located at different, opposite sides of the positioning column 10.

[0015] The bottom part 3 and the lid part 4 are both in round shape, and the squeezing parts 7 and the inserting parts 6 are arranged symmetrically on the two sides of the clip, which enables the clip to be easily operated by two fingers. Further, the clip is made of plastic without metal or small parts that easily drop off, and will cause no stimulation or irritation to the skin of the wearer; therefore it is well suited for use by children. Moreover, the clip looks like a watch, and the lid part 4 can be decorated with beautiful designs and patterns suitable for and attractive to the kids.

[0016] Referring to Figure 4, when the bottom part 3

and the lid part 4 are closed, the inserting parts 6 are inserted into the squeezing parts 7 with the protruding parts 8 being received in the grooves 9, the band 2 is therefore fastened firmly. Projecting parts 11 are set on the walls around the positioning column 10 to secure the band 2 around the opening 15. The other free end of the band 2 passes in sequence through the narrow opening 14 and the opening 13, and then is fixed between the bottom part 3 and the lid part 4 of the clip. When the bottom part 3 and the lid part 4 are in closed position, the band 2 is snapped by the two rows of the retaining pawls 12 and the positioning column 10. Hence friction between the band and the clip is increased, and the band 2 is fastened and secured by the clip thereby. Furthermore, the other free end of the band 2 will pass through the narrow opening 14 for a second time and at this position the band is pressed downward so as to increase the friction between the band and the clip.

[0017] An information area 16 is provided between said two rows of retaining pawls 12 on the lid part 4, where an identification information carrier can be attached, containing the same identification information as that on the band 2 so as to provide double protection for identification information. Anti-slip strips 17 in the form of elongated projections are provided at the outside of the squeezing parts 7, enabling convenient operation with fingers.

[0018] It should be emphasized that the above-described embodiment of the present invention, merely set forth for a clear understanding of the principles of the invention. Many variations and modifications may be made to the above-described embodiment(s) of the invention without departing substantially from the spirit and principles of the invention. All such modifications and variations are intended to be included herein within the scope of this disclosure and the present invention and protected by the following claims.

Claims

1. A kid identification wristband comprising a clip (1) and a band (2), **characterised in that** the clip (1) consists of a lid part (3) connected to a bottom part (4) through a connecting part (5), wherein a positioning column (10) is provided in the centre of the bottom part (3), with two squeezing parts (7) disposed symmetrically at two opposing sides of the bottom part (3), the squeezing parts (7) provided with laterally protruding parts (8); retaining pawls (12) are provided on the lid part (4); two inserting parts (6) with grooves (9) are disposed symmetrically at two opposing sides of the lid part (4), the inserting parts (6) configured to engage the protruding parts (8) provided on said squeezing parts (7); an opening (13) is provided in the connecting part (5); and an narrow opening (14) is provided at the bottom part (3), the narrow opening (14) being far away from the con-

necting part (5); the wristband being adapted such that the band (2) is capable of being fastened to the clip (1) in such a way that one end of the band (2) is fixed by the positioning column (10), the other end of band (2) passing through the narrow opening (14) of the bottom part (3) and then the opening (13) of the connecting part, the band (2) thus being fastened between the bottom part (3) and the lid part (4) of the clip (1).

2. A kid identification wristband according to claim 1, wherein said squeezing parts (7) are U-shaped, the U-shape forming inner and outer walls, respectively, and wherein said protruding parts (8) are provided on the inner wall of the squeezing parts, the inserting parts (6) being received in the squeezing parts (7).

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3. A kid identification wristband according to claim 1 or 2, wherein the bottom part (3) and the lid part (4) of the clip are both in round shape.

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4. A kid identification wristband according to any preceding claim, wherein an opening (15) is provided at one end of said band (2) which is inserted into a fixed position over said positioning column (10).

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5. A kid identification wristband according to any preceding claim, wherein the cross-section of the positioning column (10) is of quadrilateral shape and projecting parts (11) are disposed on the sides of the position column.

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6. A kid identification wristband according to any preceding claim, wherein two rows of retaining pawls (12) are provided, which are so arranged that they are on different sides of the positioning column (10) when the clip (1) is closed.

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7. A kid identification wristband according to any preceding claim, wherein an information area (16) is provided between said two rows of the retaining pawls (12) on the lid part.

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8. A kid identification wristband according to any preceding claim, wherein antislip strips (17) are provided at the outside of the squeezing parts.

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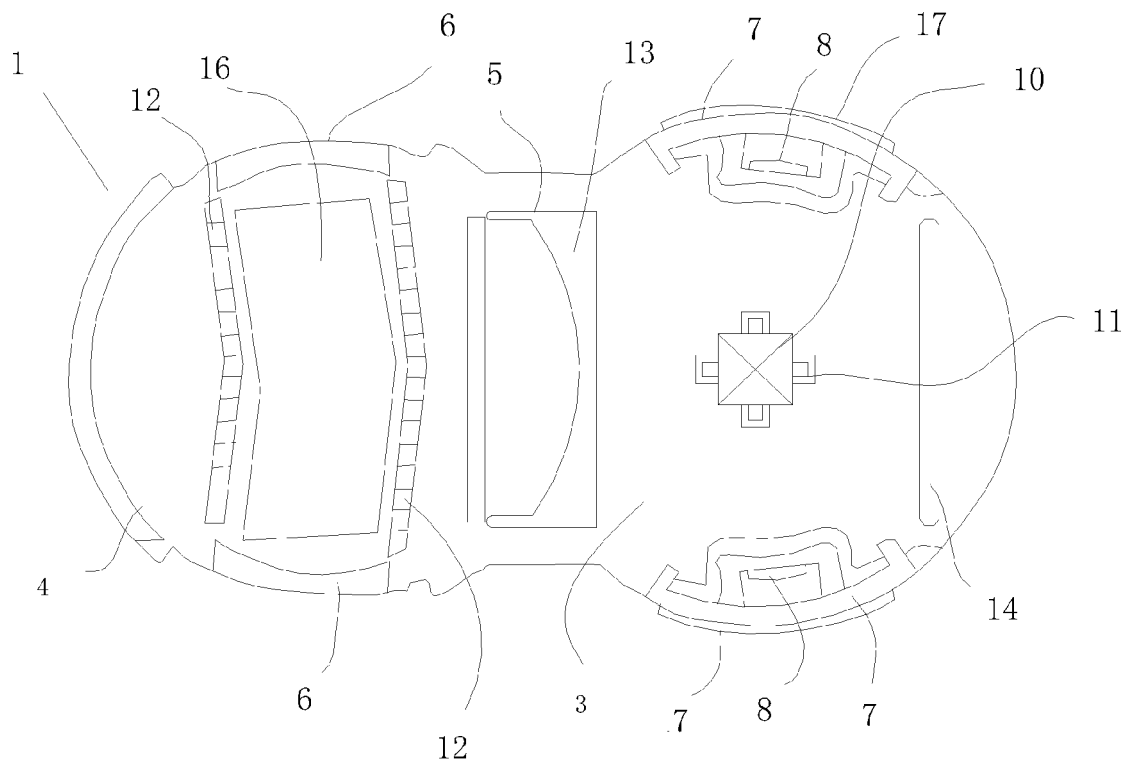


Fig.1

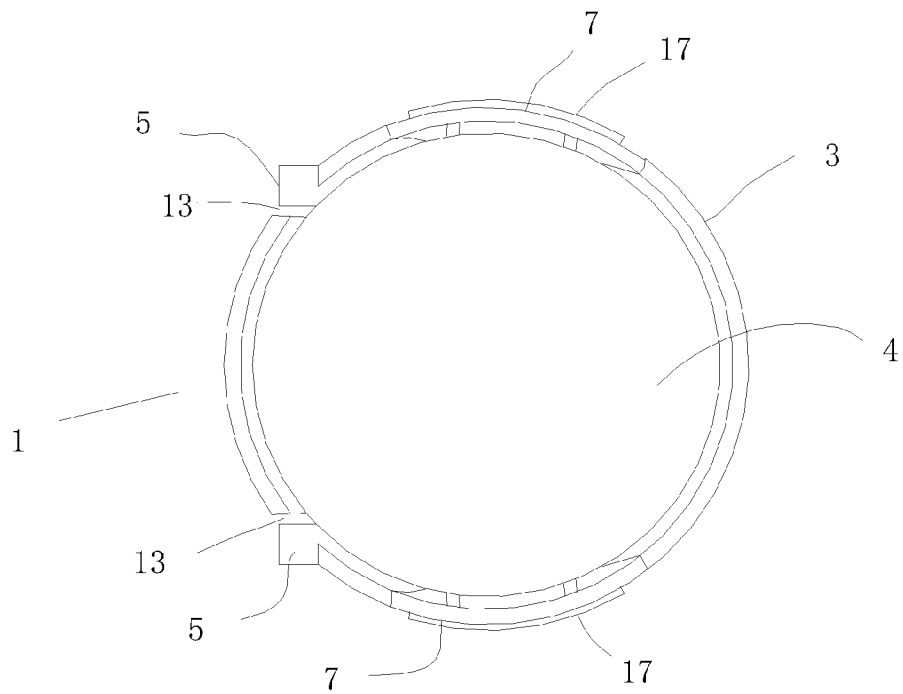


Fig.2

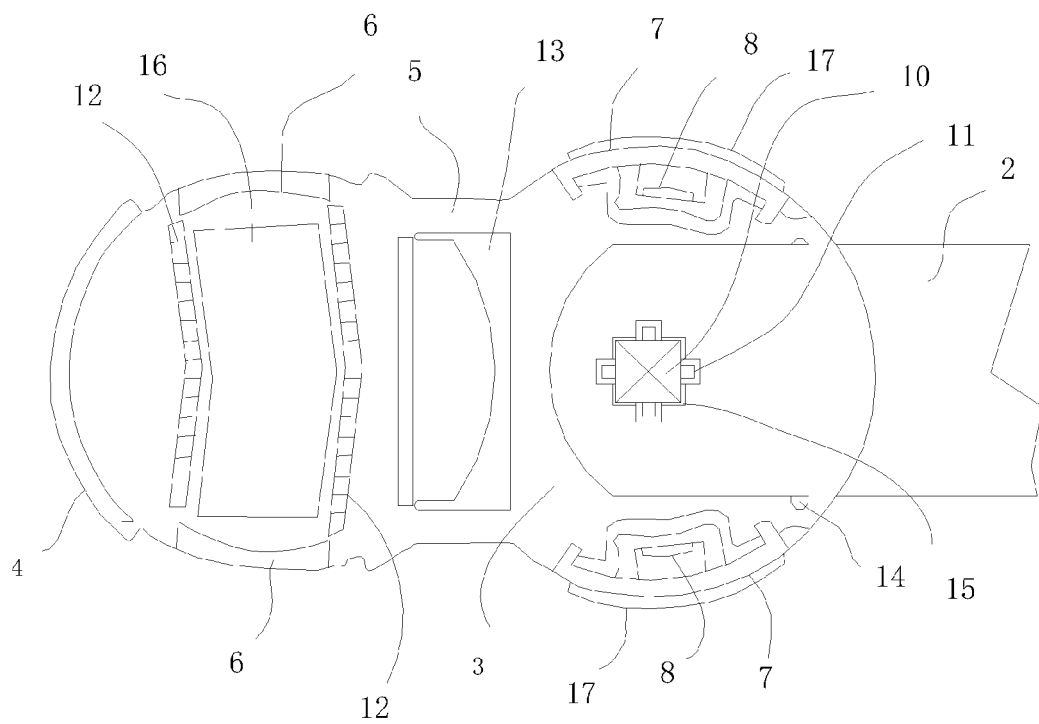


Fig.3

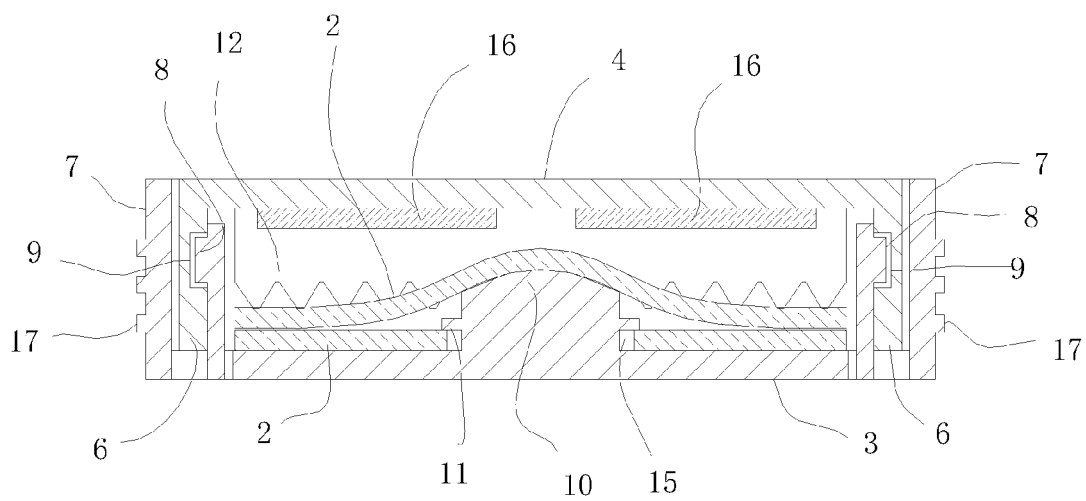


Fig.4



EUROPEAN SEARCH REPORT

Application Number
EP 09 17 5100

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X	JP 2006 285036 A (SEIKO EPSON CORP) 19 October 2006 (2006-10-19)	1,3,5-8	INV. A44C5/20 G09F3/16
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**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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