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(54) **Structure of a closet stool for an infant child**

(57) A closestool is provided for use by training an infant child, which includes a base, a receptacle, and a seat; the base has a hollow holding portion in the middle, which has an opening on an upper end; the receptacle has a containing portion, and it is held in the hollow holding portion, and supported by means of an inner loop-shaped protrusion of the base; the seat has a middle hollowness, and it is positioned on the top of the base; the configuration of the closestool can be adapted according to the age of the infant child.

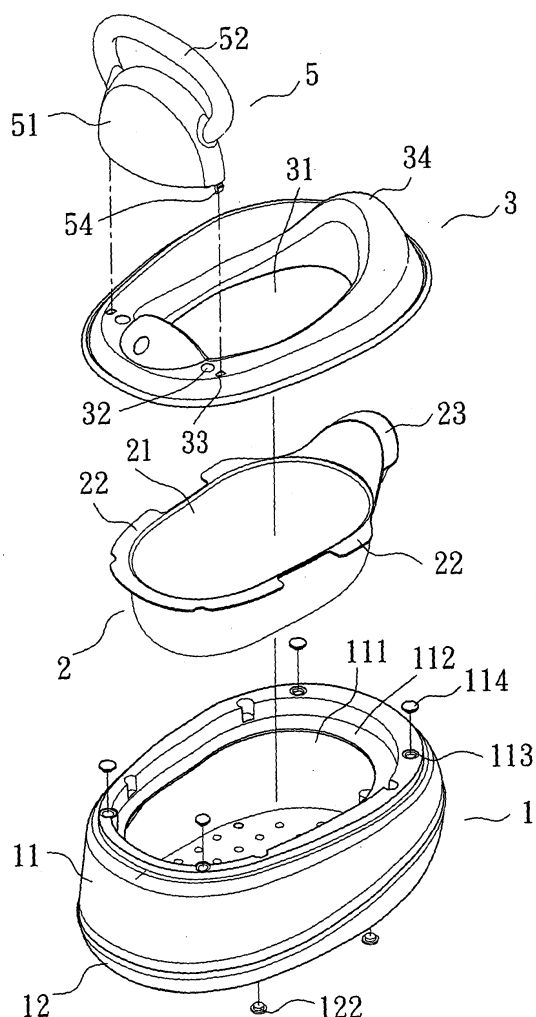


FIG. 1

Description

BACKGROUND OF THE INVENTION

1. Field of the invention

[0001] The present invention relates to a closestool for an infant child, more particularly one, whose configuration can be adapted to be suitable for use by infant children at different ages.

2. Brief Description of the Prior Art

[0002] Parents can start to train their children to sit on a child closestool to urinate and empty the bowels when they are over ten months of age. A common child closestool includes a single-part body, which has a seating portion on the top, and a hollow receiving portion under the seating portion. However, the body of the closestool has single part, and can't be separated into different parts or placed in/ on an ordinary toilet for use. Therefore, the closestool is only suitable for use by infant children between the ages of twelve and eighteen months. In other words, the closestool can't be used after the kids are over eighteen months. Therefore, the parents have to discard the closestool, and buy a seat for their kids, which can be placed on the seat of a toilet for the kids to sit on. In addition they have to prepare a short stool next to the toilet to help the kids mount the toilet. Furthermore, it will be a waste of resources and make an impact on the environment to discard the closestool.

SUMMARY OF THE INVENTION

[0003] It is a main object of the present invention to provide an improvement on a closestool for an infant child to overcome the above problems.

[0004] A closestool according to an embodiment of the present invention includes a base, a receptacle, and a seat, which are separable. The base has a hollow holding portion in the middle. The receptacle has a containing portion, and it is held in the hollow holding portion, with a periphery section resting on an inner loop-shaped protrusion of the base. The base further has slip-prevention pads on upper and lower sides. The seat has a middle hollowness, and it is positioned on the top of the base. The closestool further has an ornamental part joined to a front end of the seat, and a covering part to cover the middle hollowness of the seat. The ornamental part can be separated from the seat, and has a handle portion for an infant child to hold. The closestool can be adapted to a proper configuration according to the age of the infant child.

BRIEF DESCRIPTION OF THE DRAWINGS

[0005] The present invention will be better understood by referring to the accompanying drawings, wherein:

Fig. 1 is an exploded perspective view of the present invention,

Fig. 2 is a perspective view of the present invention, Fig. 3 is a front sectional view of the present invention,

Fig. 4 is a view of the invention adapted to a first configuration,

Fig. 5 is a view of the invention adapted to a second configuration,

Fig. 6 is a view of the invention adapted to a third configuration,

Fig. 7 is a view of the invention adapted to a fourth configuration,

Fig. 8 is a view of the invention adapted to a fifth configuration, and

Fig. 9 is a view of the invention adapted to a sixth configuration.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

[0006] Referring to Figs. 1, 2, and 3, a preferred embodiment of a closestool of the present invention includes a base 1, a receptacle 2, a seat 3, a covering part 4, and an ornamental part 5.

[0007] The base 1 includes an upper shell part 11, and a lower shell part 12, which are secured together. The upper shell part 11 has a hollow holding portion 111 therein, which has an opening on an upper end. The upper shell part 11 has a loop-shaped protrusion 112 sticking from an inner side of the hollow holding portion 111. The upper shell part 11 further has several locating holes 113 on an upper side of a periphery thereof, and slip-prevention pads 114 are inserted in the locating holes 113. The lower shell part 12 has a plane bottom side, and several locating holes 121 on the plane bottom side, and slip-prevention pads 121 are inserted in the locating holes 121 respectively (Fig. 3).

[0008] The receptacle 2 is substantially in the shape of a basin, and has a containing portion 21, and several propped sections 22 sticking outwards from an upper end thereof, which will be propped on the loop-shaped protrusion 112 when the receptacle 2 is held in the hollow holding portion 111 of the upper shell part 11 of the base 1. The receptacle 2 further has a handle portion 23 sticking upwards in a sloping manner from a rear end thereof; thus, a person is allowed to take the receptacle 2 out of the base 1 easily.

[0009] The seat 3 is formed with a loop shape, having a hollowness 31 on a middle thereof. The seat 3 further has connecting holes 32 on a front portion thereof, apertures 33 next to the connecting holes 32, and a back **34 protruding upwards on a rear end thereof.**

[0010] Referring to Fig. 2, the covering part 4 has a recess portion 41 on a top thereof, and a handle 42 crossing the recess portion 41 on the top, which allows a person to take the covering part 4 easily. The covering part 4 further has a protruding portion 43 sticking outwards/

sideways from a periphery thereof; thus, the covering part 4 can be propped on the seat 3 to cover the hollow-ness 31.

[0011] The ornamental part 5 includes a body 51, and a handle portion 52 joined to an upper section of the body 51 for an infant child to hold. The ornamental part 5 further has connecting post-shaped portions 53 sticking from a bottom of the body 51, and hooked portions 54 next to the connecting post-shaped portions 53; the ornamental part 5 can be joined to the seat 3 by means of passing the connecting post-shaped portions 53 into the connecting holes 32 as well as passing the hooked portions 54 through the apertures 33 so as to hook the hooked portions 54 over a bottom of the seat 3.

[0012] In assembly, referring to Figs. 1, 2, and 3, the receptacle 2 is held in the hollow holding portion 111 of the base 1 with the propped sections 22 resting on the loop-shaped protrusion 112 of the base 1. The seat 3 is supported on the top of the base 1, contacting the slip-prevention pads 114 at a bottom so as not to slip off the proper position. The covering part 4 is positioned over the middle hollowness 31 of the seat 3 with the protruding portion 43 contacting the periphery of the seat 3. And, the ornamental part 5 is joined to the seat 3 with the connecting post-shaped portions 53 being received in the connecting holes 32, and with the hooked portions 54 being passed through the apertures 33 of the base 3.

[0013] Shown in Fig. 4 is the present invention adapted to a first configuration to be suitable for use by and training an infant child over twelve months of age, wherein the covering part 4 is removed, and the seat 3 is placed such that the front portion of the seat 3 and the ornamental part 5 face in the same direction as the front end of the base 1. Shown in Fig. 5 is the present invention adapted to a second configuration to be suitable for use by training an infant child over twelve months of age, wherein the covering part 4 is removed, and the seat 3 is placed such that the front portion of the seat 3 and the ornamental part 5 are adjacent to the rear end of the base 1.

[0014] Shown in Figs. 6 and 7 are the present invention adapted to a third and a fourth configurations respectively to be suitable for use by an infant child over eighteen months of age, wherein the seat 3 is separated from the base 1, and positioned in and supported by a toilet 6, and the base 1 is positioned upside down next to the toilet 6 to help an infant child to mount the seat 3; in the third configuration (Fig. 6), the seat 3 is placed such that the front portion of the seat 3 and the ornamental part 5 are adjacent to the front end of the toilet 6; in the fourth configuration (Fig. 7), the seat 3 is placed such that the front portion of the seat 3 and the ornamental part 5 are adjacent to the rear end of the toilet 6.

[0015] Shown in Figs. 8 and 9 are the present inventions adapted to a fifth and a sixth configurations respectively to be suitable for use by an infant child over twenty four months of age, wherein the ornamental part 5 is removed from the seat 3, and the seat 3 is separated from the base 1, and positioned in and supported by a toilet 6.

[0016] From the above description, it can be easily seen that the closestool of the present invention has an advantage: the closestool can be easily adapted to a suitable configuration for use by training an infant child according to the age of the infant child therefore it is very practical and convenient to use.

Claims

1. Structure of a closestool for an infant child, comprising

a base (1), the base (1) having a hollow holding portion (111) in a middle thereof, which has an opening on an upper end;
a receptacle (2) having a containing portion (21); the receptacle (2) being held in the hollow holding portion (111) of the base (1); and
a seat (3) positioned on a top of the base (1); the seat (3) having a hollowness (31) in a middle thereof.

2. The closestool structure as claimed in claim 1, wherein the base (1) includes an upper shell part (11), and a lower shell part (12), which are joined together; said hollow holding portion (111) of the base (1) being provided in the upper shell part (11).

3. The closestool structure as claimed in claim 1, wherein the hollow holding portion (111) has a loop-shaped protrusion (112) sticking from an inner side thereof, and the receptacle (2) has at least one propped section (22) sticking outwards from an upper end thereof to rest on the loop-shaped protrusion (112); the receptacle (2) having a handle portion (23) sticking upwards in a sloping manner from a rear end thereof.

4. The closestool structure as claimed in claim 1, wherein the receptacle (2) has a handle portion (23) sticking upwards in a sloping manner from a rear end thereof.

5. The closestool structure as claimed in claim 1, wherein the base (1) has a plurality of locating holes (113) on an upper side of a periphery surrounding said hollow holding portion (111) thereof, and has a plurality of slip-prevention pads (114) inserted in the locating holes (113).

6. The closestool structure as claimed in claim 1, wherein the base (1) has a plane bottom side; the plane bottom side of the base (1) having a plurality of locating holes (121), and slip-prevention pads (122) inserted in the locating holes (121).

7. The closestool structure as claimed in claim 1 further

comprising an ornamental part (5); the ornamental part (5) including a body (51); the body (51) having connecting post-shaped portions (53) sticking from a bottom thereof; the seat (3) having connecting holes (32) on a front portion thereof; the ornamental part (5) being joined to the seat (1) with the connecting post-shaped portions (53) being inserted in the connecting holes (32). 5

8. The closestool structure as claimed in claim 7, wherein the body (51) of the ornamental part (5) has hooked portions (54) sticking from the bottom, and the seat (3) has apertures (33) on the front portion thereof; the ornamental part (5) being joined to the seat (3) with the hooked portions (54) being inserted in the apertures (33) and hooked over the seat (3); the body (51) of the ornamental part (5) having a handle portion (52) joined to an upper section thereof; the seat (3) having a back (34) protruding upwards on a rear end. 10 15 20

9. The closestool structure as claimed in claim 1 further comprising a covering part (4); the covering part (4) having a protruding portion (43) sticking outwards from a periphery thereof, which will rest on the seat (3) when the covering part (4) is positioned over the hollowness (31) of the seat (3). 25

10. The closestool structure as claimed in claim 9, wherein the covering part (4) has a recess portion (41) on a top thereof, and a handle (42) crossing the recess portion (41). 30

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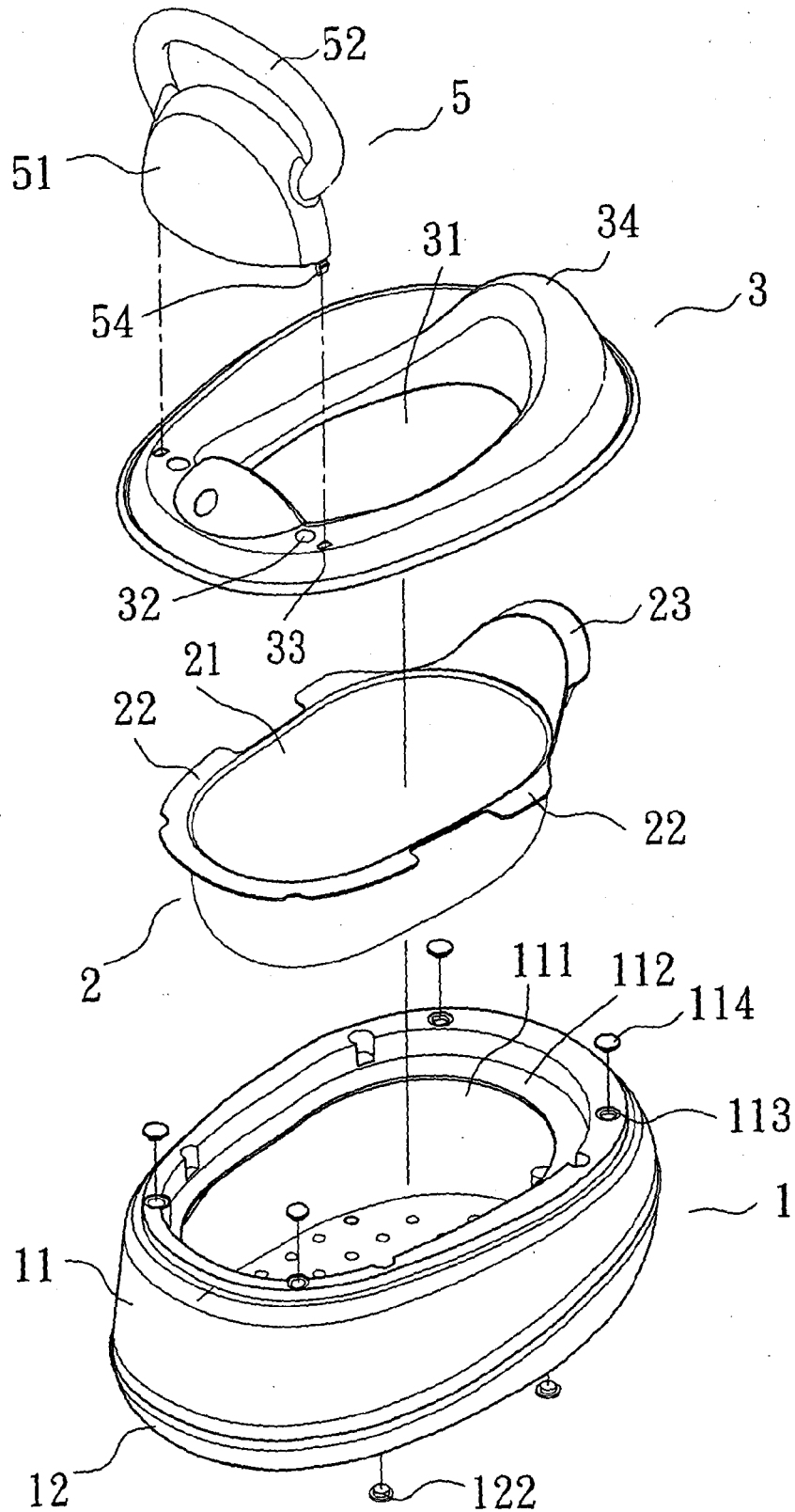


FIG. 1

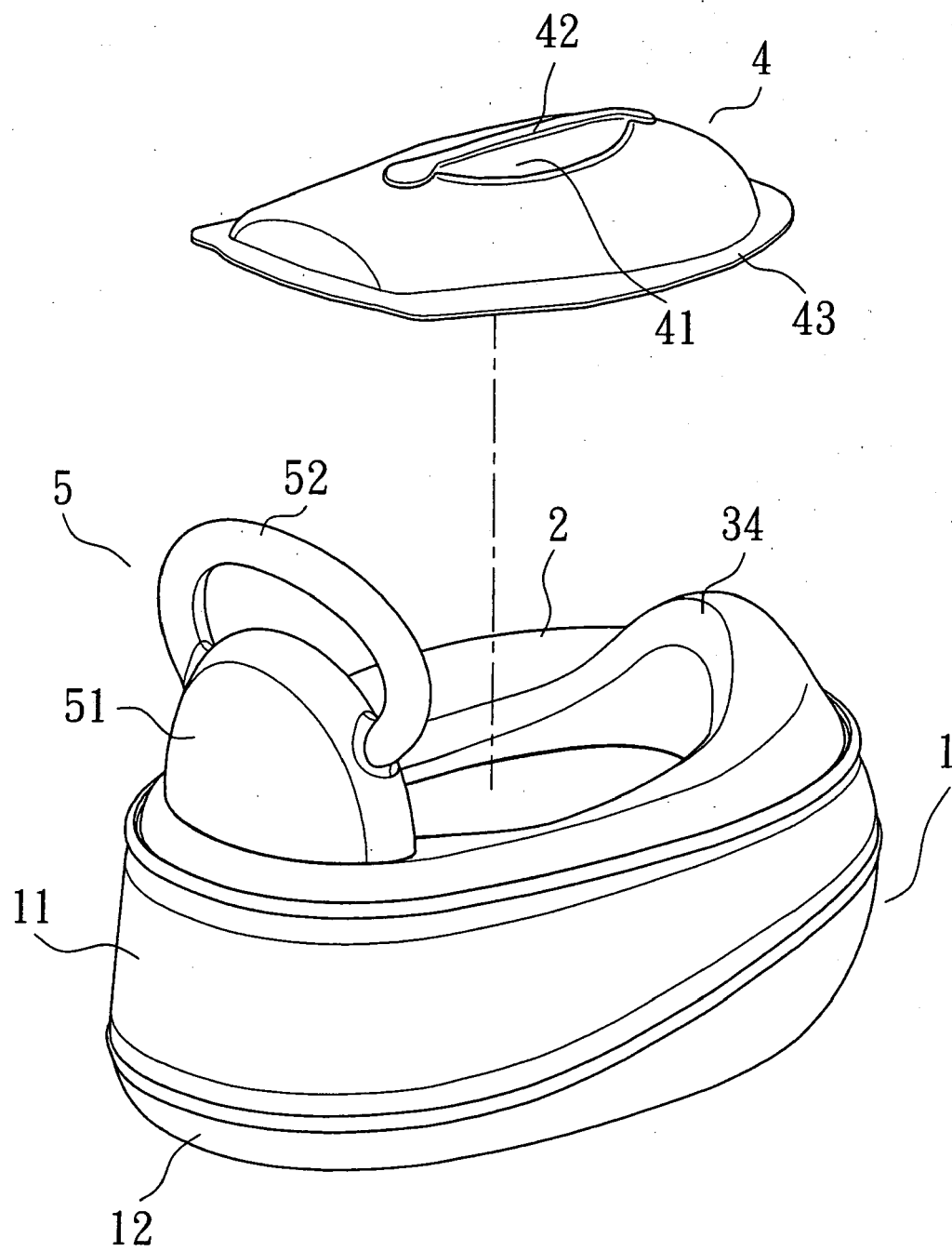


FIG. 2

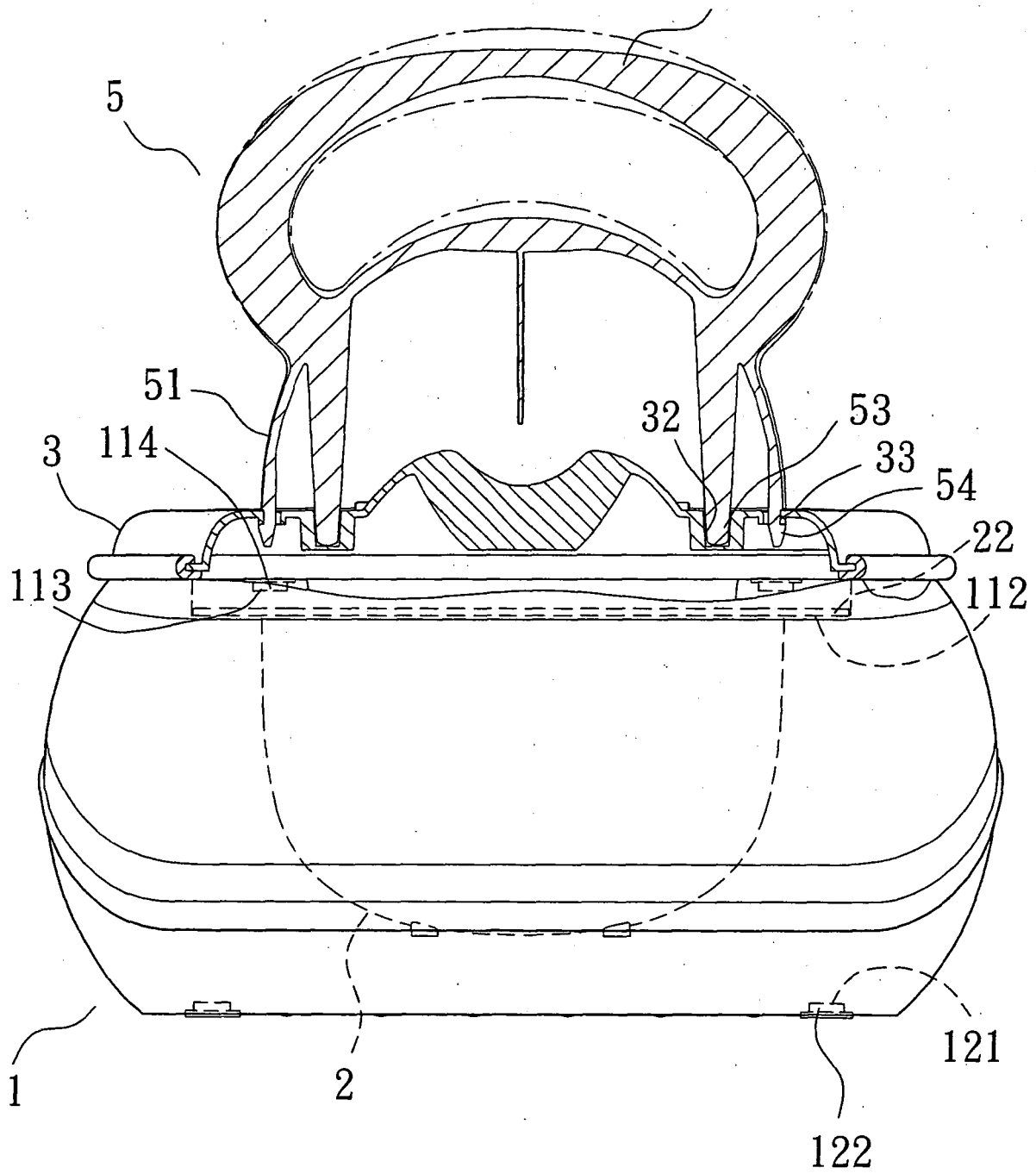


FIG. 3

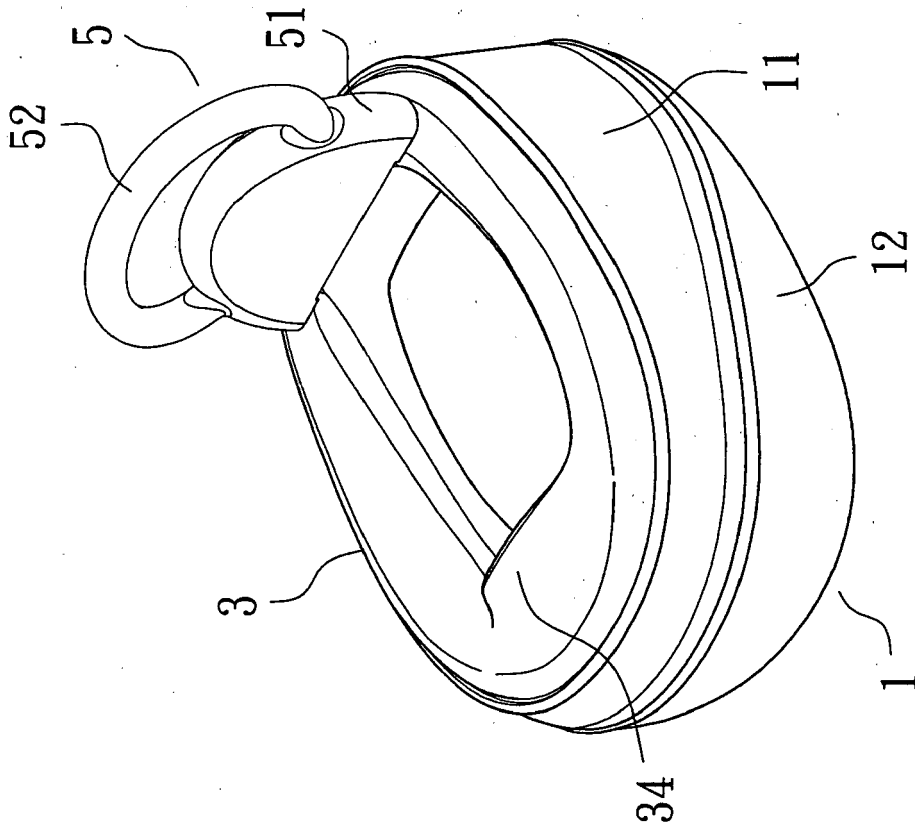


FIG. 5

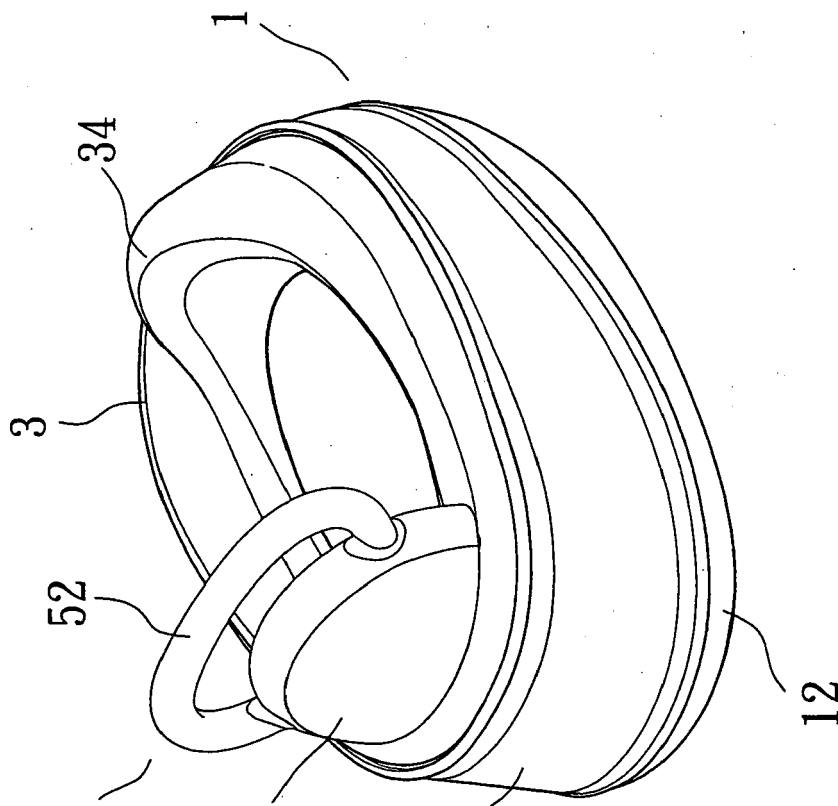


FIG. 4

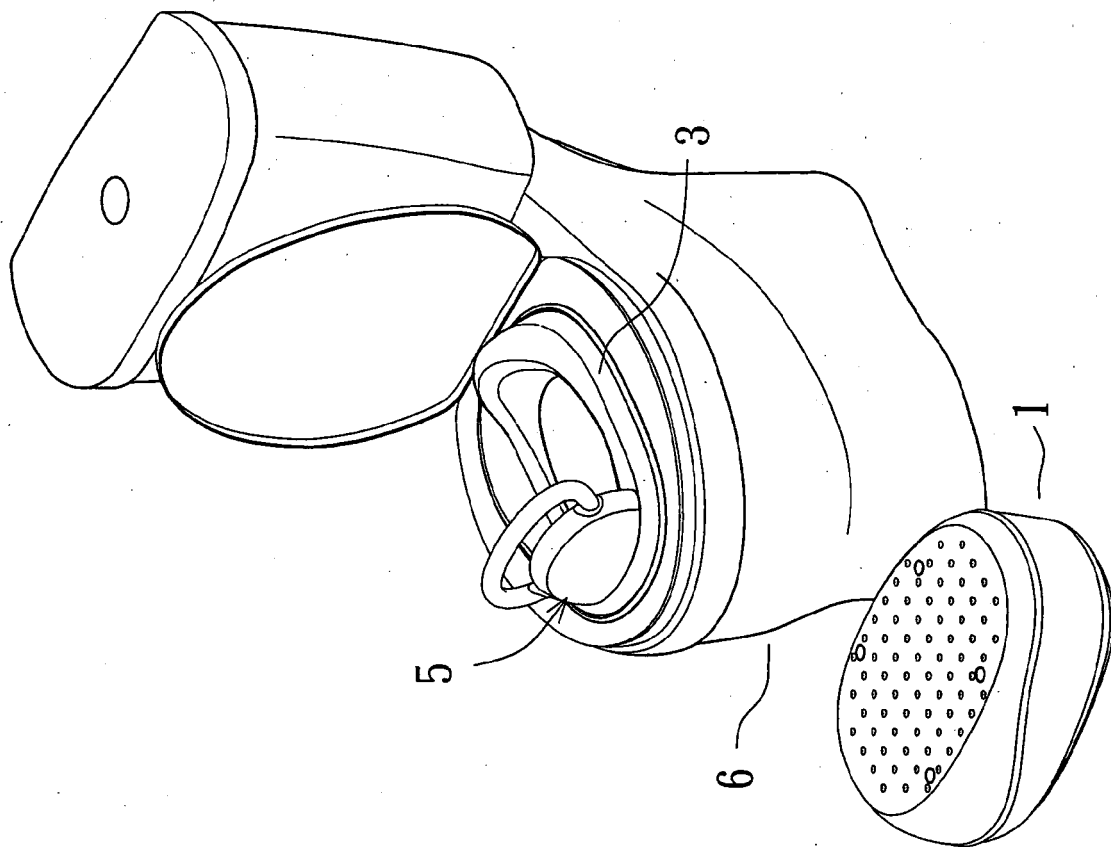


FIG. 6

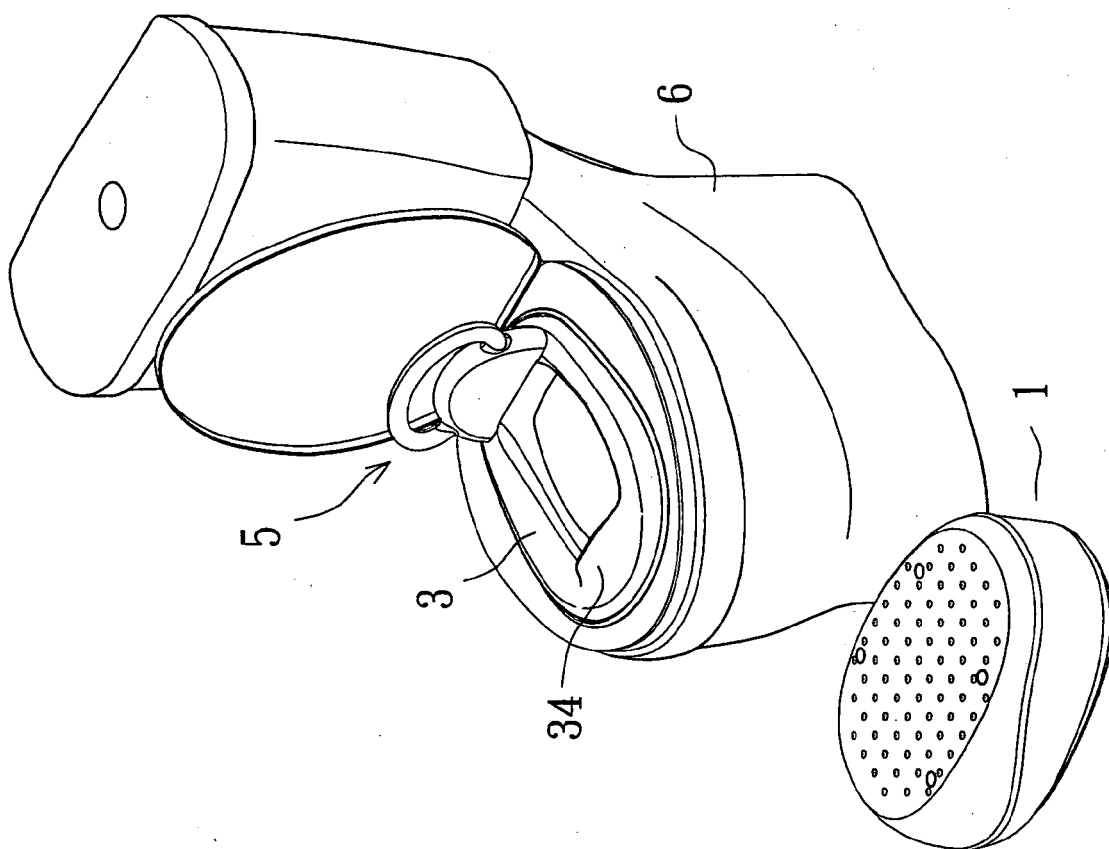


FIG. 7

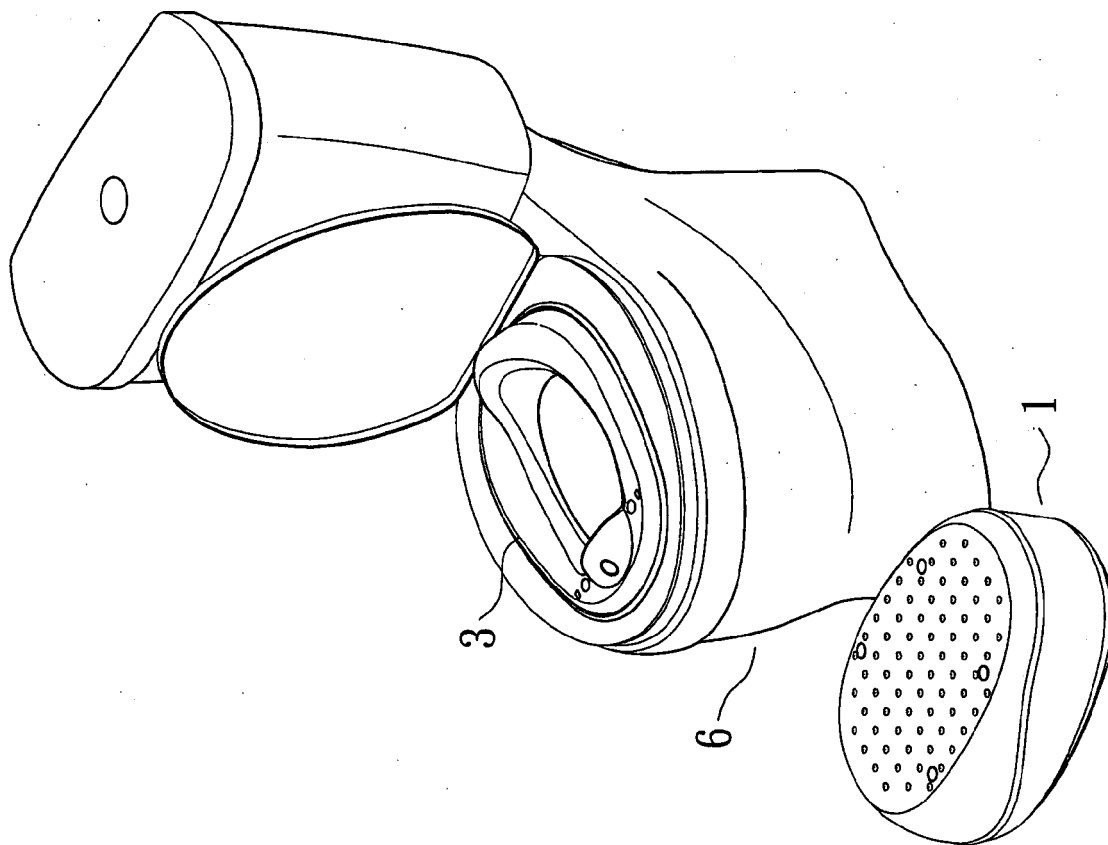


FIG. 8

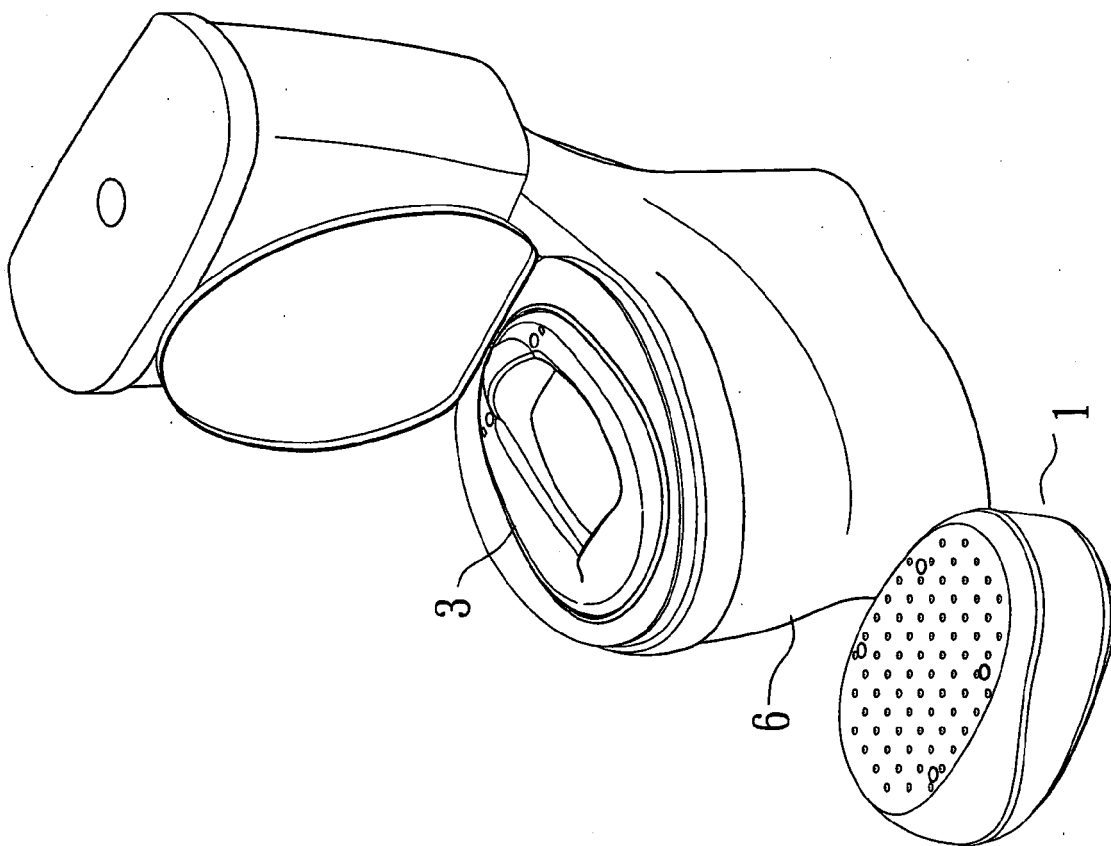


FIG. 9



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 07 01 0974

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			TECHNICAL FIELDS SEARCHED (IPC)
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The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		1 November 2007	Porwoll, Hubert
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 03.82 (P04C01)

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

EP 07 01 0974

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