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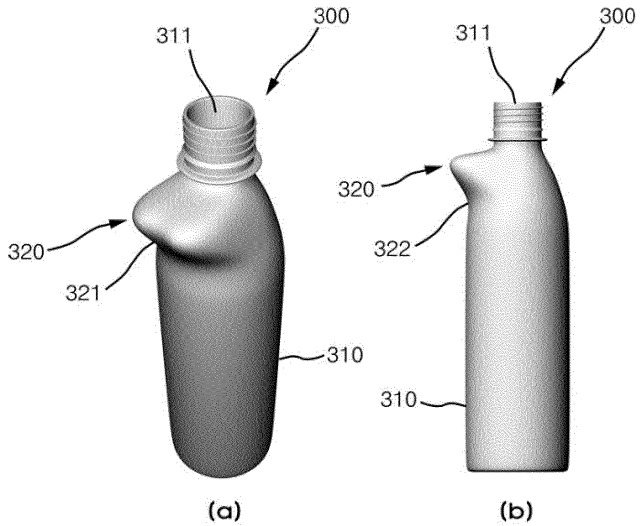
(54) BEVERAGE CONTAINER WITH A PROTRUSION, AND SEPARABLE PROTRUSION DEVICE FOR SAME

(57) In order to remarkably improve sanitation and convenience in use by allowing a user to drink a beverage in a state in which the user stably supports a beverage container, without contacting the lips with the beverage container, the present invention provides a beverage container including a body having a size that can be gripped by a user, and including a space in which a beverage is contained and a discharge port through which the beverage is discharged at an upper end thereof, and a chin rest protruding outward from the body to a predetermined size so that, in a state in which an end of the chin rest contacts one side from a user's lower lip to a chin, the body is pivoted to discharge the beverage into a user's mouth with the discharge port spaced apart from the mouth, and a radius of rotation from the end to the discharge port corresponds to a distance from the user's mouth to a position at which the end is supported.

Fig. 2



EP 2 468 644 A2

Description

[Technical Field]

[0001] The present invention relates to a beverage container with a chin rest, and more particularly, to a beverage container with a chin rest capable of improving sanitation and convenience in use for beverage ingestion.

[Background Art]

[0002] In general, beverage containers refer to containers for receiving beverages such as water and other drinks which are ingested by users, and have various sizes depending on beverage capacities. In particular, such beverage containers are conventionally manufactured in a portable size so that users can easily ingest beverages even in outdoor places.

[0003] However, since the containers are commonly recycled to be reused or a beverage may be shared several times, such beverage containers may be easily contaminated with foreign substances at a bottleneck or a beverage discharge port thereof. As a result, another user's mouth may contact the contaminated discharge port, and thus, the foreign substances may be transmitted to cause unsanitary problems such as diseases, etc.

[0004] Moreover, when a user contacts the discharge port with his/her lips and drinks a beverage, the beverage in the mouth is mixed with saliva and then flows backward into the container. At this time, if infectious viruses are present in the saliva, another user who drinks the beverage may be infected with a disease, causing serious sanitary problems.

[0005] Therefore, as shown in FIG. 1, another user may drink a beverage by pouring the beverage into the mouth with the lips spaced apart from a discharge port of a beverage container 10, preventing unsanitary circumstances. However, in this case, since the discharge port is spaced apart from the lips and not precisely poured into the mouth, the beverage may flow around the mouth.

[0006] In addition, when the beverage container 10 has a narrow discharge port, since the beverage is discharged from the container in a pulsatory motion due to a bottleneck phenomenon, the discharged beverage may be excessively poured into the mouth, causing a cough. Moreover, the excessively discharged beverage may flow around the lips, causing problems in use for beverage ingestion, for example, contamination of clothes, etc.

[Disclosure]

[Technical Problem]

[0007] In order to solve the foregoing and/or other problems, it is an object of the present invention to provide a beverage container with a chin rest capable of remarkably improving sanitation and convenience in use by enabling ingestion of a beverage in a posture in which a user stably supports the beverage container on the chin without contacting the lips.

[Technical Solution]

[0008] One aspect of the present invention provides a beverage container including: a body having a size that can be gripped by a user, and including a space in which a beverage is contained and a discharge port through which the beverage is discharged at an upper end thereof; and a chin rest protruding outward from the body to a predetermined size so that, in a state in which an end of the chin rest contacts one side from a user's lower lip to a chin, the body is pivoted to discharge the beverage into a user's mouth with the discharge port spaced apart from the mouth, and a radius of rotation from the end to the discharge port corresponds to a distance from the user's mouth to a position at which the end is supported.

[0009] Another aspect of the present invention provides a separable chin rest apparatus for a beverage container including: a separable fixing frame separately installed around a discharge port of the beverage container; and a chin rest protruding outward from the separable fixing frame to a predetermined size so that, in a state in which an end of the chin rest contacts one side from a user's lower lip to a chin, the body is pivoted to discharge the beverage into a user's mouth with the discharge port spaced apart from the mouth, and a radius of rotation from the end to the discharge port corresponds to a distance from the user's mouth to a position at which the end is supported.

[Advantageous Effects]

[0010] According to the above-mentioned aspects, a beverage container with a chin rest in accordance with the present invention provides the following effects.

[0011] First, the beverage container is pivotally supported by the chin rest so that a user can stably drink a beverage even in a state in which the user's lips are not in contact with a discharge port of the beverage container. As a result, it is possible to prevent bacterial growth and bad smell due to degeneration of saliva flowing backward into the beverage container when the beverage is shared several times by the user, and to remarkably improve sanitation and convenience in use by removing necessity of sterilization thereof.

[0012] Second, since several people can use the beverage container without contact with saliva on the lips, a large number of disposable cups can be saved and thus remarkable contribution to resource conservation is possible.

[0013] Third, an adhesion part is recessed in a round shape at an outside of the chin rest in a circumferential direction of a body so that an area of the beverage container in contact with the skin around a user's chin is increased to stably support the beverage container.

[0014] Fourth, a pad is provided at the outside of the chin rest to increase adhesion to the user, making it possible to prevent the beverage container from slipping from the user's skin.

[0015] Fifth, the chin rest may be formed at a portable separable chin rest apparatus coupled to a standardized size of general beverage container, and in this case, the chin rest apparatus can be simply coupled to the beverage container to be used only when the user drinks a beverage.

[Description of Drawings]

[0016] The above and other objects, features and advantages of the present invention will be more apparent from the following detailed description taken in conjunction with the accompanying drawings, in which:

FIG. 1 is a side view showing a use state of a conventional beverage container.

FIG. 2 is a perspective view and a side view of a beverage container in accordance with a first exemplary embodiment of the present invention.

FIG. 3 is a side view showing a use state of the beverage container in accordance with the first exemplary embodiment of the present invention.

FIG. 4 is a perspective view and a side view of a beverage container in accordance with a second exemplary embodiment of the present invention.

FIG. 5 is a perspective view and a side view of a beverage container in accordance with a third exemplary embodiment of the present invention.

FIG. 6 is a perspective view and a side view of a beverage container in accordance with a fourth exemplary embodiment of the present invention.

FIG. 7 is a perspective view and a side view of a beverage container in accordance with a fifth exemplary embodiment of the present invention.

FIG. 8 is a side view of a beverage container in accordance with a sixth exemplary embodiment of the present invention.

FIG. 9 is a perspective view and a plan view of a beverage container in accordance with a seventh exemplary embodiment of the present invention.

FIGS. 10 to 12 are views for comparing use states of the beverage containers of the embodiments of the present invention with the conventional art.

FIG. 13 is a side view showing a use state of a separable chin rest apparatus for a beverage container in accordance with an exemplary embodiment of the present invention.

FIG. 14 is a plan view showing an attachment structure of a separable chin rest apparatus for a beverage container in accordance with an exemplary embodiment of the present invention.

FIG. 15 is a perspective view showing a separable chin rest apparatus for a beverage container in accordance with another exemplary embodiment of the present invention.

FIGS. 16 and 17 are perspective views showing a modified embodiment of the separable chin rest apparatus for a beverage container.

FIGS. 18 and 19 are an exploded perspective view and an assembled perspective view of a separable chin rest apparatus and a beverage container in accordance with still another exemplary embodiment of the present invention.

[Best Modes for Invention]

[0017] The best mode of the present invention will be described in detail with reference to the accompanying drawings.

[Modes for Invention]

[0018] Hereinafter, beverage containers in accordance with exemplary embodiments of the present invention will now be described in detail with reference to the accompanying drawings.

[0019] FIG. 2 is a perspective view and a side view of a beverage container in accordance with a first exemplary embodiment of the present invention, wherein (a) of FIG. 2 is a perspective view, and (b) of FIG. 2 is a side view. Here, the beverage container of this embodiment relates to a beverage bottle.

[0020] As shown in (a) and (b) of FIG. 2, a beverage container 300 in accordance with a first exemplary embodiment of the present invention includes a body 310 and a chin rest 320. Here, while a cap (not shown) is threadedly engaged with a bottleneck formed at an upper end of the body 310, detailed description thereof will be omitted for the convenience of description, because it is well known.

[0021] Specifically, the body 310 has a size that can be gripped by a user, and includes a space in which a beverage is contained and a discharge port 311 through which the beverage is discharged at an upper end thereof.

[0022] Here, the body 310 may have a cylindrical or polygonal shape having a bottleneck portion having an upper periphery that gradually reduces upward, and be formed of various materials such as PET, glass, etc.

[0023] Meanwhile, the chin rest 320 protrudes from a predetermined position of the body 310 adjacent to the discharge port 311 toward an outside of the body 310. At this time, in a state in which an end of the chin rest 320 contacts one side from the lower lip to the chin of the user to be stably supported, the body 310 is pivoted to discharge the beverage into the mouth with the discharge port 311 spaced apart from the user's lips.

[0024] Here, the chin rest 320 protrudes from a portion of the beverage container 300 under the discharge port 311 such that an upper end of the protrusion 320 is supported by one side between the user's lower lip and chin. This protrusion shape may be formed through various

methods such as injection molding, die casting, etc., depending on the material of the beverage container 300, which are easily implemented for the convenience of manufacture. The chin rest 320 has a predetermined width to be supported around the user's jawbone. Of course, the chin rest 320 may have an annular shape formed in a circumferential direction of the body.

[0025] Meanwhile, an adhesion part 321 is recessed in a round shape at an outside of the chin rest 320 in an outer circumferential direction of the body 310 to increase a contact area with the user. That is, as shown, the adhesion part 321 has a rounded groove structure formed at the outside of the chin rest 320 having a predetermined width to conform to a curve of the user's jawbone, thereby increasing a contact area of the beverage container 300 with the user's skin. As a result, the beverage container 300 can be stably supported by the user so that the beverage can be drunk without spilling.

[0026] In addition, a recess 322 may be inwardly recessed at a portion of the body 310 under the chin rest 320 to attenuate a pulsatory discharge of the beverage introduced into the chin rest 320. That is, the recess 322 functions to reduce an amount of the beverage introduced into the discharge port 311 at a time to attenuate inconvenience in drinking due to the pulsatory discharge of the beverage.

[0027] FIG. 3 is a side view showing a use state of the beverage container in accordance with a first exemplary embodiment of the present invention.

[0028] As shown in FIG. 3, the end of the chin rest 320 is contact-supported by one side from the user's lower lip to the chin to function as a pivotal shaft or a pivotal support point for pivotal movement of the body 310. Therefore, the user can pivot the body in a state in which the end is pivotally supported, so that the beverage can be discharged into the mouth with the discharge port spaced apart from the mouth.

[0029] For this, under the condition that a radius of rotation R from the end of the chin rest 320 to the nearest circumference of the discharge port 322 is substantially equal to a distance L from a center of the user's open mouth to a position at which the end of the chin rest is supported, the chin rest 320 protrudes from the outside of the body 310 to the predetermined size. As a result, the radius of rotation from the end of the chin rest 320 to the discharge port 311 may be maintained such that the discharge port 311 is spaced a predetermined distance from the user's open mouth during the pivotal movement of the body. Here, the circumference of the discharge port 322 nearest to the end of the chin rest 320 may be sharply deformed outward or cut into a notch shape to stably guide the beverage.

[0030] In addition, the chin rest 320 may extend and protrude from a lower end of the bottleneck of the body 310. That is, the end of the chin rest 320 functions as a support shaft for stably supporting the beverage container 300 to allow easy drinking and a pivot shaft for maintaining a radius of rotation such that an upper end of the body 310, i.e., the periphery of the discharge port 311, is not in contact with the user's mouth. Here, the end of the chin rest 320 may be rounded to smoothly contact one side between the user's lower lip and the chin.

[0031] Therefore, the chin rest 320 prevents the user's lips from contacting the discharge port 311 of the beverage container 300 to enable stable and sanitary beverage ingestion.

[0032] FIG. 4 is a perspective view and a side view of a beverage container in accordance with a second exemplary embodiment of the present invention, wherein (a) of FIG. 4 is a perspective view, and (b) of FIG. 4 is a side view. Here, this embodiment relates to a cup for a beverage container.

[0033] As shown in (a) and (b) of FIG. 4, a beverage container 100 in accordance with the second exemplary embodiment of the present invention includes a body 110 and a chin rest 120. Specifically, the body 110 has a size than can be gripped by a user, and includes a space in which a beverage is received and a discharge port 111 through which the beverage is discharged at an upper end thereof. The discharge port 111 may be referred to as an upper opening in the case of a cup 100, or may be referred to as an upper hole in the case of a container such as the beverage container 300 (see FIG. 2), a covered water bottle 400 (see FIG. 5), etc.

[0034] Here, since the body 110 may have various shapes such as a cylindrical shape, a polygonal shape, etc., one side of which is open, and may be formed of various materials such as metal, paper, a synthetic resin, an alloy, etc., the shapes and materials thereof are not limited. In addition, a handle (not shown) may be provided at an outer surface of the body. Further, a discharge guide part 112, which functions as a guide to a contact part for a user, may be formed from one side of the discharge port 111 to an upper end of the body 110 in a funnel shape such that the beverage can be easily discharged. Here, the size of the body 110 that can be gripped by the user refers a size that can be gripped by the user with one hand or both hands.

[0035] Meanwhile, the chin rest 120 protrudes outward from the body 110 in a round shape at a predetermined upper position of the body 110 adjacent to the discharge port 111. In a state in which the chin rest 120 is contact-supported by one side from the user's lower lip to the chin, the body 110 is pivoted to discharge the beverage into the user's mouth with the discharge port 111 spaced apart from the mouth.

[0036] Here, the chin rest 120 is disposed under the discharge port 111 and protrudes therefrom to be supported by one side between the user's lower lip and the chin. This protrusion shape may be formed through various methods such as injection molding, die casting, etc., depending on the material of the beverage container 100, which are easily implemented for the convenience of manufacture.

[0037] In addition, contact-support of the chin rest 120 at one side from the user's lower lip to the chin includes

contact-support of the chin rest 120 at any one side between the user's lower lip and the chin without contacting the user's lips, and also support of the chin rest 120 on the user's chin. Further, discharge of the beverage in a state in which the discharge port 111 is spaced apart form the user's mouth means that the body 110 is supported by the chin rest 120 upon pivotal movement for beverage ingestion to prevent the discharge port 111 from contacting the user's mouth.

[0038] Furthermore, the chin rest 120 functions as a pivot shaft for pivotal movement of the body 110, and a radius of rotation from an end of the chin rest 120 to the discharge port 111 may be spaced a predetermined distance from the user's mouth upon pivotal movement of the body 110. For this, the chin rest 120 may protrude to a minimal length to ensure that the radius of rotation maintains a distance from the user's mouth to the discharge port 111. Therefore, this structure can be commonly used by many people since people having different face sizes also have substantially the same distance from the lower lip to a specific portion of the chin (for example, a recessed portion of the chin). In addition, a gap between the chin rest 120 and the mouth may reflect an ergonomic design in view of the length and angle thereof.

[0039] That is, the chin rest 120 functions not only as a support shaft for stably supporting the beverage container 100 for easy ingestion but also as a pivot shaft for maintaining a radius of rotation to prevent an upper end of the body 110, i.e., the periphery of the discharge port 111, from contacting the user's mouth. Therefore, the chin rest 120 prevents the user's mouth from contacting the periphery of the discharge port 111 of the beverage container 100 to enable stable beverage ingestion.

[0040] As a result, since the user's mouth is not in contact with the beverage container 100 when the user drinks the beverage, it is possible to prevent bacterial growth and bad smell due to degeneration of saliva mixed with the beverage in the beverage container 100 even when the beverage is shared several times by the user. In addition, since there is no need for sterilization, sanitation in use can be remarkably improved. Further, since the beverage container 100 can be used by many people without contacting their lips, it is possible to remove displeasure and repulsion and provide satisfaction to consumers even when the beverage is shared by many people.

[0041] Meanwhile, an adhesion part 121 may be recessed in a round shape at an outside of the chin rest 120 in an outer circumferential direction of the body 110 to increase a contact area with the user. That is, as shown, the adhesion part 121 has a rounded groove structure formed at the outside of the chin rest 120 having a predetermined width to conform to a curve of the user's jawbone, thereby increasing a contact area of the beverage container 100 with the user's skin. As a result, the beverage container 100 can be stably supported by the user so that the beverage can be drunk without spilling.

[0042] In addition, a recess 122 may be inwardly recessed at a portion of the body 110 under the chin rest 120 to smoothly and stably discharge the beverage introduced into the chin rest 120.

[0043] That is, the recess 122 functions to adjust an amount of the beverage introduced into the discharge port 111 at a time to attenuate inconvenience in drinking due to excessive discharge of the beverage. Of course, the chin rest may have a smooth shape in a longitudinal direction of the body, without the recess.

[0044] FIG. 5 is a perspective view and a side view of a beverage container in accordance with a third exemplary embodiment of the present invention, wherein (a) of FIG. 5 is a perspective view, and (b) of FIG. 5 is a side view. Here, the embodiment relates to a lid-type water bottle including a cover installed at an upper part thereof.

[0045] As shown in (a) and (b) of FIG. 5, a beverage container 400 in accordance with the third exemplary embodiment of the present invention includes a body 410, a cover 430, and a chin rest 420.

[0046] Specifically, the body 410 has a size that can be gripped by a user, and includes a space in which a beverage is contained and a discharge port 430 through which the beverage is discharged at an upper end thereof. Here, the cover 430 is selectively coupled to an upper end of the body 410 to easily introduce the beverage into the beverage container 400. In addition, the cover 430 has a discharge port 431. Further, the shape and material of the body 410 and the cover 430 corresponding thereto are not limited.

[0047] Meanwhile, the chin rest 420 having a predetermined size protrudes outward in a round shape from a predetermined position of the body 410 adjacent to the discharge port 431 and is contact-supported by one side from the user's lower lip to the chin such that the beverage is discharged with the discharge port 431 spaced apart from the user's mouth.

[0048] Here, the chin rest 420 is disposed under the discharge port 431 and protrudes therefrom such that the upper end is supported by one side from the user's lower lip and the chin. This protrusion shape may be formed through various methods such as injection molding, die casting, etc., depending on the material of the beverage container 400, which are easily implemented for the convenience of manufacture. The chin rest 420 has a predetermined width to be supported around the user's jawbone. Of course, the chin rest 420 may have an annular shape formed in a circumferential direction of the body 410.

[0049] In addition, the chin rest 420 functions as a pivot shaft for pivotal movement of the body 410, and a radius of rotation from an end of the chin rest 420 to the discharge port 431 may be spaced a predetermined distance from the user's mouth upon pivotal movement of the body 410. For this, the chin rest 420 may protrude to a minimal length to ensure that the radius of rotation maintains a distance from the user's mouth to the discharge port 431.

[0050] That is, the chin rest 420 functions not only as

a support shaft for stably supporting the beverage container 400 for easy ingestion but also as a pivot shaft for maintaining a radius of rotation to prevent an upper end of the body 410, i.e., the periphery of the discharge port 431 from contacting the user's mouth.

[0051] Therefore, the chin rest 420 prevents the user's mouth from contacting the periphery of the discharge port 431 of the beverage container 400 to enable stable beverage ingestion.

[0052] As a result, since the user's mouth is not in contact with the beverage container 400 while drinking, sanitary drinking is possible, and since the chin rest 420 is supported by one side between the user's lower lip and the chin to enable stable drinking of the beverage without spilling, sanitation and convenience in use can be remarkably improved.

[0053] Meanwhile, an adhesion part 421 may be recessed in a round shape at an outside of the chin rest 420 in an outer circumferential direction of the body 410 to increase a contact area with the user.

[0054] That is, as shown, the adhesion part 421 has a rounded groove structure formed at the outside of the chin rest 420 having a predetermined width to conform to a curve of the user's jawbone, thereby increasing a contact area of the beverage container 400 with the user's skin. As a result, the beverage container 400 can be stably supported by the user so that the beverage can be drunk without spilling.

[0055] Of course, the cover of this embodiment may be separated from the body and the beverage may be drunk through an opening formed at an upper end of the body, and even in this case, the chin rest can be usefully used. In addition, as shown, a lower side of the chin rest 420 may be gently sloped in a longitudinal direction of the body 4410, and a recess (see 322 of FIG. 2) may also be formed to reduce discharge of the beverage.

[0056] FIG. 6 is a perspective view and a side view of a beverage container in accordance with a fourth exemplary embodiment of the present invention, wherein (a) of FIG. 6 is a perspective view, and (b) of FIG. 6 is a side view.

[0057] Since a basic constitution of this embodiment, except for disposition of the chin rest, is the same as the third embodiment, detailed descriptions thereof will not be repeated. This embodiment is characterized to include a chin rest formed at one side of a cover 530.

[0058] That is, as shown in FIG. 6, a beverage container 500 of this embodiment includes a body 510 having an opening (not shown) formed at an upper part thereof, and a cover 530 having a discharge port 531 and covering the opening (not shown), wherein a chin rest 520 is formed at an outer circumference of the cover 530.

[0059] In other words, the chin rest 520 is formed at the cover 530 of the beverage container 500. As a result, since the cover 530 having the chin rest 520 may be separately manufactured and applied to a conventional lid-type water bottle, the present invention can be effectively used to reduce manufacturing costs.

[0060] FIG. 7 is a perspective view and a side view of a beverage container in accordance with a fifth exemplary embodiment of the present invention, wherein (a) of FIG. 7 is a perspective view, and (b) of FIG. 7 is a side view.

[0061] Since a basic constitution of this embodiment, except for the chin rest, is the same as the fourth embodiment, detailed descriptions thereof will not be repeated.

[0062] This embodiment is **characterized in that** an upper surface of the chin rest has a shape of increasing adhesion to prevent slippage of the protrusion from the user's skin during drinking.

[0063] That is, as shown in FIG. 7, an anti-slip part 770 having a corrugated shape may be formed at an upper surface of a chin rest 720 having prominences or grooves repeatedly formed in a radial direction of a cover 730. The anti-slip part 770 may be applied to the chin rests of the embodiments of the present invention. The anti-slip part 770 may have various shapes such as an embossed shape, etc., in addition to the corrugated shape. In addition, as shown, gradations and quantity indications are formed at an outer surface of the body 710 to check the quantity of the beverage received in the body 710. Further, an adhesion part (see 521 of FIG. 6) may be recessed in a round shape from an outside of the chin rest 720, similar to the above-mentioned embodiment.

[0064] Therefore, the anti-slip part can prevent the chin rest 720 contacting the user's skin from slipping in a pivoting direction of the beverage container 700 when the user pivots the beverage container 700 to drink the beverage.

[0065] FIG. 8 is a side view of a beverage container in accordance with a sixth exemplary embodiment of the present invention. Since a basic constitution of this embodiment is the same as the second embodiment, detailed descriptions thereof will not be repeated.

[0066] This embodiment is characterized to further include a pad as an auxiliary contact member for improving contact characteristics between a chin rest and the user's skin. That is, as shown in FIG. 8, a beverage container 600 in accordance with this embodiment may further include a pad 650 attached to the outside of a chin rest 620 to increase adhesion to the user. The pad 650 may be formed of any material for improving adhesion between the user's skin and the surface of the container.

[0067] Therefore, adhesion of the contact part of the beverage container 600 to the user can be increased to prevent the beverage container 600 from slipping from the user's skin. As a result, it is possible for the user to more easily drink the beverage. Such a pad may be applied to all embodiments of the present invention.

[0068] Similar to the fifth and sixth embodiments, a friction means may be further provided at the outside of the chin rest 620 or 720 to increase adhesion to the user. The friction means includes the anti-slip part 770 and the pad 650.

[0069] FIG. 9 is a perspective view and a plan view of

a beverage container in accordance with a seventh exemplary embodiment of the present invention, wherein (a) of FIG. 9 is a perspective view, and (b) of FIG. 9 is a side view. Since a basic constitution of this embodiment is the same as the first embodiment, detailed descriptions thereof will not be repeated.

[0070] This embodiment is **characterized in that** a chin rest 920 is entirely formed in a circumferential direction of a body 801 to increase convenience in use.

[0071] That is, as shown in (a) and (b) of FIG. 9, the chin rest 920 may protrude in a circumferential direction of the body 910. Here, the chin rest 920 may have a circular or polygonal shape. In addition, adhesion parts 921 recessed in a circumferential direction of the body 910 at predetermined intervals and anti-slip parts 970 having a corrugated shape in which prominences and grooves are repeatedly formed at an upper surface of the chin rest 920 in a radial direction of the body 910 may be formed. That is, at least one of the adhesion, the recess, the pad and the anti-slip part may be applied to each embodiment of the present invention.

[0072] Therefore, the beverage container 900 has the chin rest 920 protruding to function as a pivot shaft for maintaining a radius of rotation such that a discharge port 911 is not in contact with the user's mouth. As the chin rest 920 protrudes in an annular shape in a circumferential direction of the body 910, the user can support the chin rest 920 on one side between his/her lower lip and the chin and pivot the body 910 to naturally and conveniently drink the beverage, regardless of a contact direction of the beverage container 900.

[0073] While not shown, in order to reduce a rotation distance of the body for drinking, the chin rest may protrude upward to form a slope so that an upper end of the chin rest is disposed on an upper end of the body. Such a constitution may be applied to the respective embodiments described above.

[0074] Hereinafter, use states and operation effects of the respective embodiments of the present invention will be described with reference to the accompanying drawings.

[0075] FIG. 10 is a view for comparing a use state of the beverage container of the first embodiment of the present invention with the conventional art, FIG. 11 is a view for comparing a use state of the beverage container of the second embodiment of the present invention with the conventional art, and FIG. 12 is a view for comparing a use state of the beverage container of the third embodiment of the present invention with the conventional art. In FIGS. 10 to 12, (a) shows a use state of the conventional beverage container, and (b) shows a use state of the beverage container of the present invention.

[0076] Referring to FIGS. 2 and 10, when the beverage bottle 300 in accordance with the present invention is used, the user supports the chin rest 320 on one side between the user's lower lip and the chin and then raises and pivots the beverage bottle 300, thereby introducing the beverage into the mouth.

[0077] Here, the chin rest 320 functions as a pivot shaft for pivotal movement of the beverage bottle 300, and protrudes to a minimal length to prevent the upper end of the beverage bottle 300, i.e., the periphery of the discharge port 311 of the beverage bottle 300, from contacting the mouth upon pivotal movement of the beverage bottle 300. Therefore, the user can stably drink the beverage without contacting the beverage bottle 300 with the mouth. In addition, the recess 322 is formed under the chin rest 320 to temporarily reduce a pulsatory discharge of the beverage to attenuate inconvenience in drinking.

[0078] Meanwhile, as shown in FIGS. 4 and 11, since a conventional cup 1 is in contact with the mouth during drinking, the cup 1 may be contaminated and unsanitary drinking such as that leading to infection, etc., may occur due to use by several users. Therefore, when disposable cups are used to prevent the unsanitary use, huge resources are wasted and wasted disposable cups contaminate environments.

[0079] On the other hand, when the cup 100 in accordance with the present invention is used, the user supports the chin rest 120 on one side between the user's lower lip and the chin and raises and pivots the cup 100 to introduce the beverage into the mouth. Here, the chin rest 120 functions as a pivot shaft for pivoting the cup 100, and protrudes to a minimal length to prevent the upper end of the cup 100, i.e., the periphery of the discharge port 111 of the cup 100 from contacting the mouth upon pivotal movement of the cup 100. Therefore, the user can stably drink the beverage without contact of the cup 100 with the mouth to remarkably improve sanitation and convenience in use. Moreover, many people can sanitarily and commonly use the cup 100 to prevent waste of huge resources and environmental contamination due to use of disposable cups.

[0080] Meanwhile, referring to FIG. 12, in the case of a lid-type water bottle having a cover, (a) of FIG. 12 shows a use state of the conventional lid-type water bottle 20 and (b) of FIG. 12 shows a use state of the lid-type water bottle 400 in accordance with the present invention.

[0081] As shown in FIGS. 5 and 12, the conventional lid-type water bottle 20 is in contact with the mouth during drinking, causing unsanitary drinking. In addition, a pulsatory discharge of the beverage causes inconvenience in drinking.

[0082] On the other hand, when the lid-type water bottle 400 in accordance with the present invention is used, the user supports the chin rest 420 on one side between the user's lower lip and the chin and then raises and pivots the lid-type water bottle 400 to introduce the beverage into the mouth. Here, the chin rest 420 functions as a pivot shaft for pivoting the lid-type water bottle 400, and protrudes to a minimal length to prevent the upper end of the lid-type water bottle 400, i.e., the periphery of the discharge port 431 of the lid-type water bottle 400, from contacting the mouth due to pivotal movement of the lid-type water bottle 400. Therefore, the user can sta-

bly drink the beverage without contacting the lid-type water bottle 400 with the mouth. In addition, since the chin rest may be provided at the cover (see 530 of FIG. 6), it is possible to apply the chin rest to the lid-type water bottle.

[0083] Meanwhile, the chin rest may be installed at a separate frame detachable from the beverage container. Hereinafter, a separable chin rest apparatus for a beverage container will be described in detail.

[0084] FIG. 13 is a side view showing a use state of a separable chin rest apparatus for a beverage container in accordance with an exemplary embodiment of the present invention, and FIG. 14 is a plan view showing an attachment structure of a separable chin rest apparatus for a beverage container in accordance with the exemplary embodiment of the present invention. The beverage container applied to this embodiment relates to a beverage bottle.

[0085] As shown in FIGS. 13 and 14, the separable chin rest 30 for a beverage container includes a separable fixing frame 33 and a chin rest 31. Here, the beverage container 10 has a size that can be gripped by the user, and includes a space in which the beverage is contained. In addition, the separable chin rest apparatus 30 is detachably installed around a discharge port 11 of the beverage container 10.

[0086] The beverage container 10 may have a cylindrical or polygonal shape having a bottleneck that narrows upward, and may be formed of various materials such as PET, glass, etc.

[0087] Meanwhile, the chin rest 31 of the separable chin rest apparatus 30 coupled to the bottleneck adjacent to the discharge port 11 protrudes outward. At this time, in a state in which the end of the chin rest 31 is in contact with one side from the user's lower lip to the chin and stably supported, the beverage is discharged with the discharge port 11 being pivoted and spaced from the user's mouth.

[0088] Here, the chin rest 31 protrudes to be disposed under the discharge port 11 such that the upper end of the chin rest 31 is supported by one side between the user's lower lip and the chin. In addition, the chin rest 31 has a predetermined width that can be supported around the user's jawbone.

[0089] Of course, while the separable chin rest apparatus may be integrally formed with the discharge port of the beverage container, the chin rest apparatus of the present invention may be detachably and compatibly coupled to the conventional beverage container.

[0090] As shown in FIG. 13, the end of the chin rest 31 is contact-supported by one side from the user's lower lip to the chin and functions as a pivot shaft and a pivot support point for pivotal movement of the body 10. Therefore, the user pivots the body in a state in which the end is pivotally supported so that the beverage can be discharged into the mouth with the discharge port spaced apart from the mouth.

[0091] For this, under the condition that a radius of rotation R from the end of the chin rest 31 to the nearest circumference of the discharge port 11 is substantially equal to a distance L from a center of the user's open mouth to a position at which the end of the chin rest is supported, the chin rest 31 protrudes from the outside of the body 10 to the predetermined size. As a result, the radius of rotation from the end of the chin rest 31 to the discharge port 11 may be maintained such that the discharge port 311 is spaced a predetermined distance from the user's open mouth during the pivotal movement of the body. Here, the circumference of the discharge port 11 nearest to the end of the chin rest 31 may be sharply deformed outward or cut into a notch shape to stably guide the beverage.

[0092] In addition, the end of the chin rest 31 functions as a support shaft for stably supporting the beverage container 10 for easy drinking and a pivot shaft for maintaining a radius of rotation to prevent the periphery of the discharge port 11 from contacting the user's mouth. Here, the end of the chin rest 31 may be rounded to be in smooth rolling contact with one side between the user's lower lip and the chin.

[0093] Therefore, the chin rest 31 can prevent the user's lip from contacting the periphery of the discharge port 11 of the beverage container 10 to enable stable and sanitary beverage ingestion.

[0094] As shown in FIGS. 13 and 14, the separable fixing frame 33 may include an arc-shaped hollow member detachably fitted into a bottleneck of a bottle-type beverage container 10 formed of a material such as glass, PET, etc.

[0095] Here, hooks 33a correspondingly coupled to conforming grooves 11a formed at the bottleneck protrude from both ends of an arc-shaped inner circumference of the member. Therefore, the separable fixing frame 33 is resiliently widened and fitted into the bottleneck to maintain a stably fixed state through coupling between the hooks 33a and the conforming grooves 11a. In addition, a protrusion 33b may protrude from an inner circumferential center of the member to be inserted into a groove 11b formed at the bottleneck, reinforcing the fixed state.

[0096] FIG. 15 is a perspective view of a separable chin rest apparatus for a beverage container in accordance with another exemplary embodiment of the present invention, and FIGS. 16 and 17 are perspective views showing a modified embodiment of the separable chin rest apparatus for a beverage container.

[0097] As shown in FIG. 15, a separable chin rest apparatus 35 in accordance with the embodiment may be interposed between a support ring 11d and a skirt 11c of a bottle-type beverage container 10 to be integrally formed with a band part tearable from a cap (not shown).

[0098] As shown in FIGS. 16 and 17, a connection part 38 of a chin rest 36 and a separable fixing frame 39 is formed by bending downward, and a lower part of the connection part 38 may be separated to bend the connection part 38 upward. That is, the lower part of the

connection part 38 is separated and an upper part of the connection part 38 is thinly connected to be easily bent upward.

[0099] Here, first hook fixing means 41 are formed at facing surfaces of the separated lower parts as shown in FIG. 17 so that the chin rest 36 can be maintained in a spread state by the first hook fixing means 41 when the chin rest 36 is spread (see FIG. 16).

[0100] On the other hand, second hook fixing means 42 are formed at facing surfaces of the chin rest 36 and the separable fixing frame 39, in which the chin rest 36 is bent upward to be folded, so that the chin rest 36 can be maintained in a folded state by the second hook fixing means 42 when the chin rest 36 is folded (see FIG. 17).

[0101] Here, each of the hook fixing means 41 and 42 includes a resilient protrusion and a fixing groove into which the resilient protrusion is inserted and fixed.

[0102] FIGS. 18 and 19 are an exploded perspective view and an assembled perspective view of a separable chin rest apparatus and a beverage container in accordance with still another exemplary embodiment of the present invention.

[0103] As shown in FIGS. 18 and 19, the separable chin rest apparatus for a beverage container in accordance with this embodiment is separately coupled to a cover of the beverage container.

[0104] Specifically, a separable fixing frame 60 in accordance with the embodiment includes a ring 61 coupled to surround an upper part of the beverage container 50. Here, one side of the ring 61 extends to be bent to form a chin rest 62. Therefore, the chin rest 62 formed of synthetic resin and bent to have resiliency can smoothly contact the user's chin.

[0105] In addition, an adhesion part concaved to correspond to a profile of the user's chin is formed at a center of the chin rest 62. Therefore, the concave adhesion part of the chin rest 62 is conformed to the chin to maintain a stable support state.

[0106] A coupling hole is formed at an end extending from the separable fixing frame 60, and a periphery 63 of the coupling hole is press-fitted into an outer circumference of a discharge port 53 protruding from the cover 52 of the beverage container 51. As a result, the shape of the bent chin rest 62 can be stably maintained.

[0107] As can be seen from the foregoing, since the beverage container in accordance with the present invention is not limited to the embodiments but may be applied to the container that can be gripped by the user with one hand or both hands, the container can be applied to all containers such as a PET bottle, a can, a paper box, etc., and it will be clear to those of ordinary skill in the art to which the invention pertains that various modifications may be made to the described embodiments without departing from the spirit and scope of the invention as defined in the appended claims and their equivalents.

[Industrial Applicability]

[0108] The present invention provides a beverage container capable of remarkably improving sanitation and convenience in use, which can be applied in related industries.

Claims

1. A beverage container comprising:

a body having a size that can be gripped by a user, and including a space in which a beverage is contained and a discharge port through which the beverage is discharged at an upper end thereof; and

a chin rest protruding outward from the body to a predetermined size so that, in a state in which an end of the chin rest contacts one side from a user's lower lip to a chin, the body is pivoted to discharge the beverage into a user's mouth with the discharge port spaced apart from the mouth, and a radius of rotation from the end to the discharge port corresponds to a distance from the user's mouth to a position at which the end is supported.

2. The beverage container according to claim 1, wherein the chin rest has an end rounded to be in rolling contact with the one side from the user's lower lip to the chin.

3. The beverage container according to claim 1, wherein the chin rest comprises an adhesion part recessed at one side on an outside of the chin in a round shape in a circumferential direction thereof to increase a contact area with the chin.

4. The beverage container according to claim 1, wherein the upper end of the chin rest extends to form a slope and is disposed on the upper end of the body, and the beverage container further comprises a friction means provided at an outside of the chin rest to increase contact adhesion with the user.

5. The beverage container according to claim 1, wherein the chin rest protrudes in a circumferential direction of the body.

6. A separable chin rest apparatus for a beverage container, comprising:

a separable fixing frame separately installed around a discharge port of the beverage container; and

a chin rest protruding outward from the separable fixing frame to a predetermined size so that,

in a state in which an end of the chin rest contacts one side from a user's lower lip to a chin, the body is pivoted to discharge the beverage into a user's mouth with the discharge port being spaced apart from the mouth, and a radius of rotation from the end to the discharge port corresponds to a distance from the user's mouth to a position at which the end is supported.

7. The separable chin rest apparatus according to claim 6, wherein the separable fixing frame is a cover for covering the discharge port of the beverage container.

8. The separable chin rest apparatus according to claim 6, wherein the separable fixing frame is an arch-shaped hollow member detachably press-fitted into a bottleneck of a bottle-type beverage container, and has hooks protruding from both ends of an arc-shaped inner circumference of the member correspondingly coupled to conforming grooves formed at the bottleneck.

9. The separable chin rest apparatus according to claim 6, wherein the separable fixing frame is provided at a bottleneck of a bottle-type beverage container and integrally formed with a band part tearable from a cover;
a connection part of the chin rest and the separable fixing frame is formed by bending downward, and a lower part of the connection part is separated to be bent upward;
first hook fixing means are formed at edges of facing surfaces of the separated lower parts; and
second hook fixing means are formed at edges of facing surfaces of the chin rest and the separable fixing frame, at which the connection part is bent upward to be folded.

10. The separable chin rest apparatus according to claim 6, wherein the separable fixing frame has a ring for surrounding an upper part of the beverage container;
the chin rest extends from one side of the ring and is bent to be formed at the bent outer surface; and
a coupling hole is formed at the extended end to be press-fitted into the discharge port of the beverage container.

Fig. 1

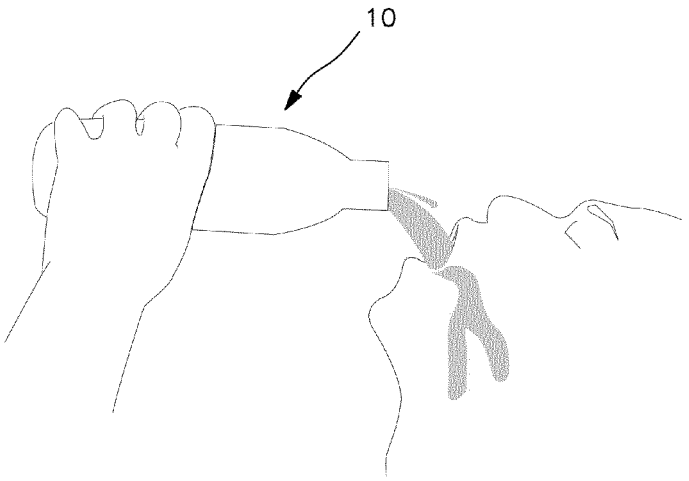


Fig. 2

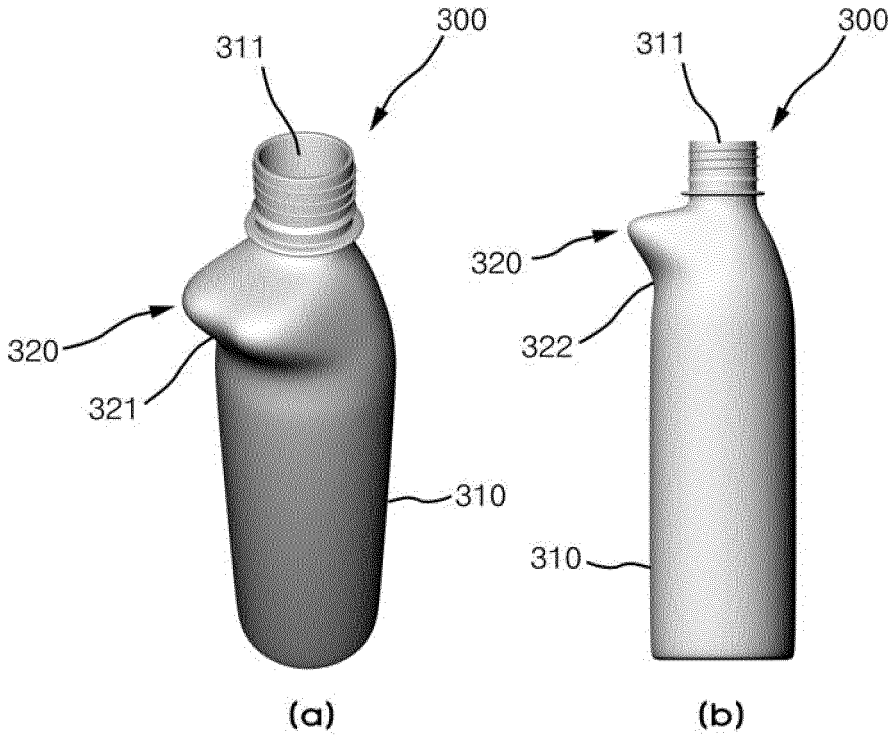


Fig. 3

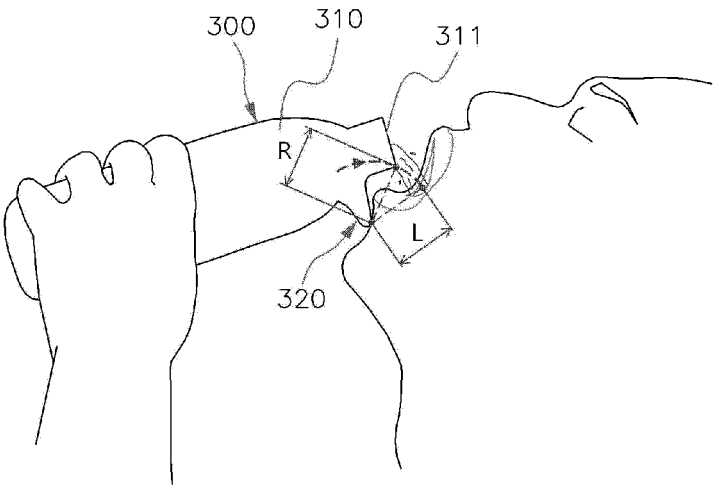


Fig. 4

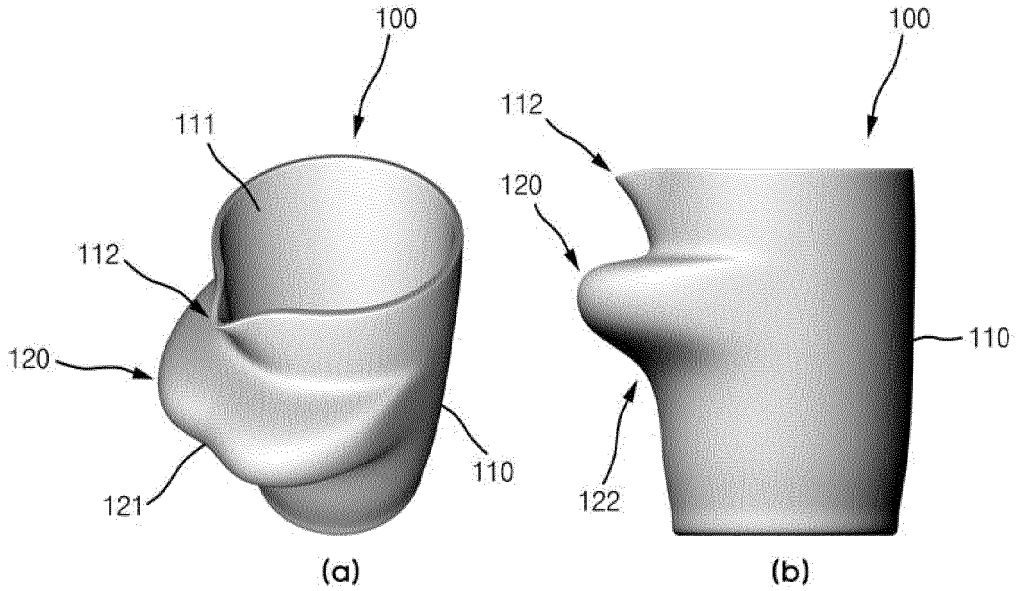
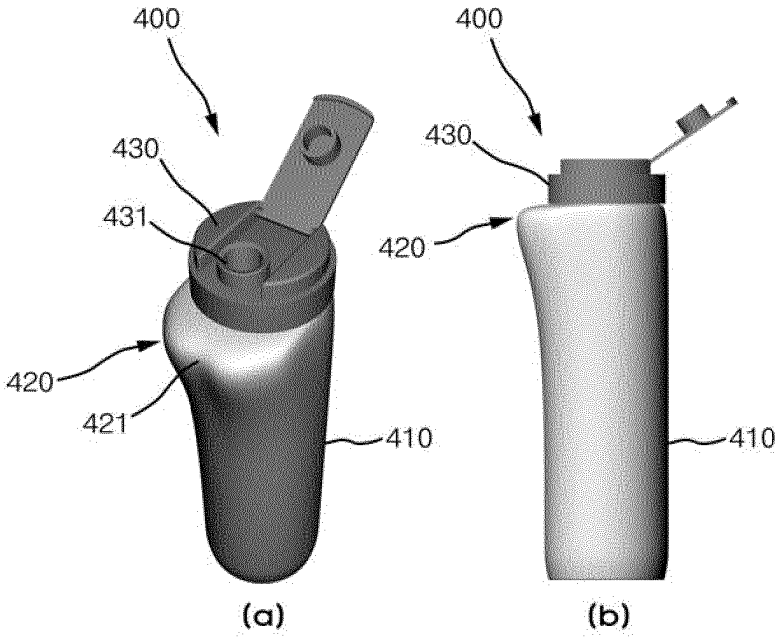


Fig. 5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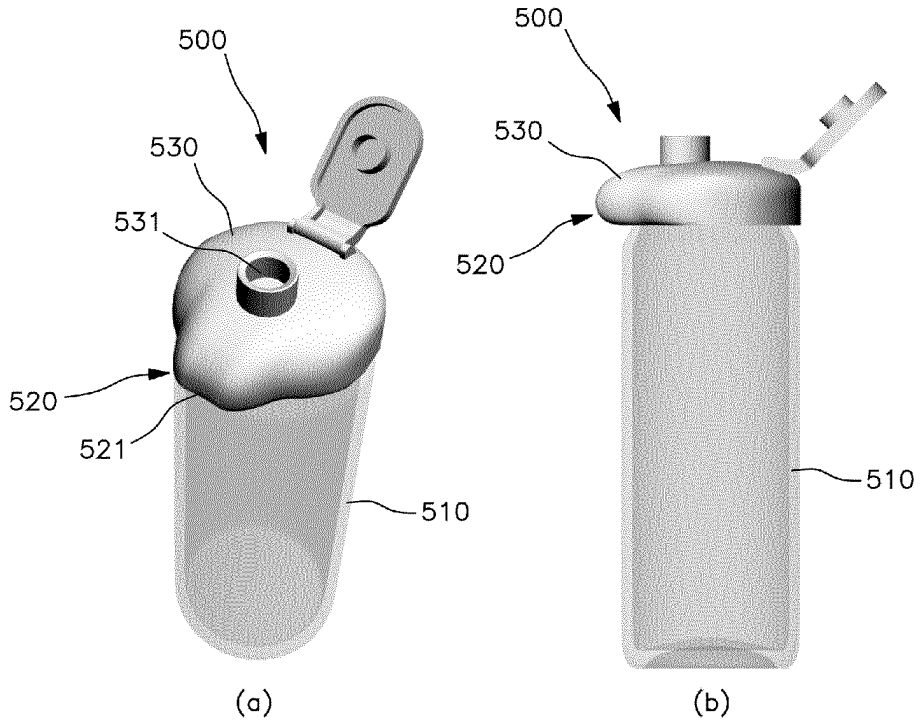
430
431
420
421
410
(a)
400
430
420
410
(b)

Fig.6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530
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520
521
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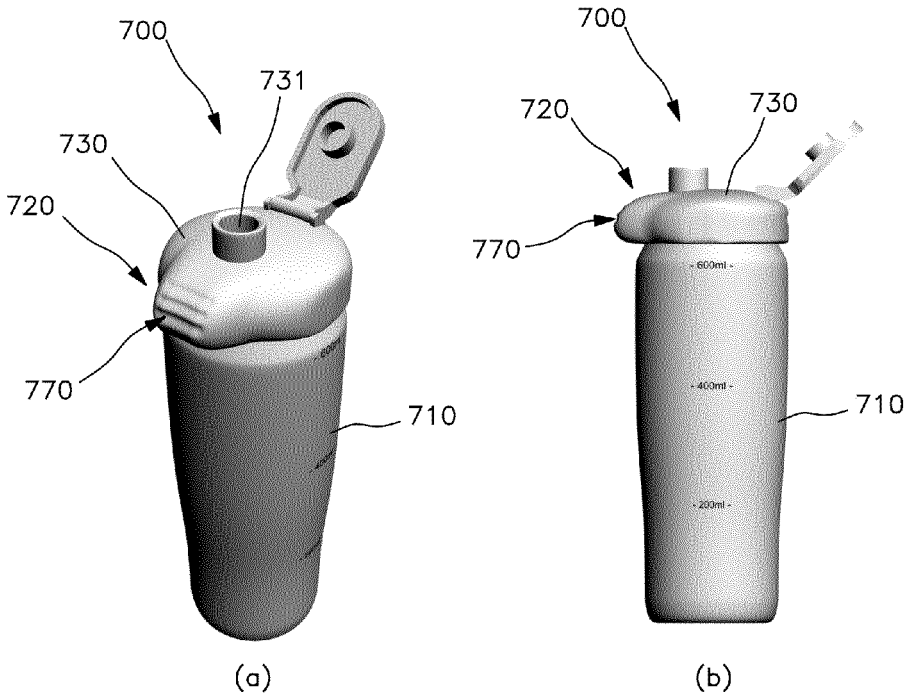
(a)
500
530
520
510
(b)

Fig. 7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731
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710
(b)

Fig. 8

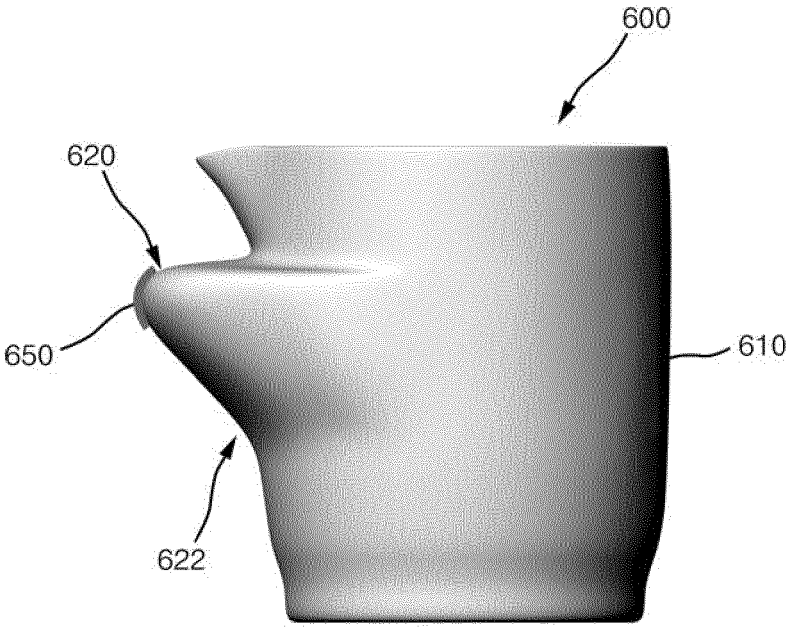
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Fig. 9

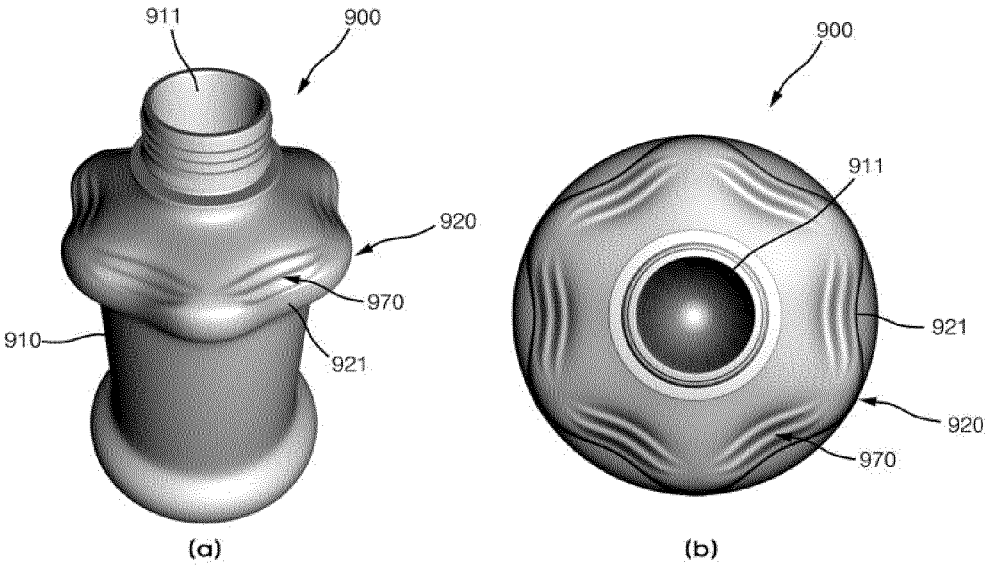

Fig. 10

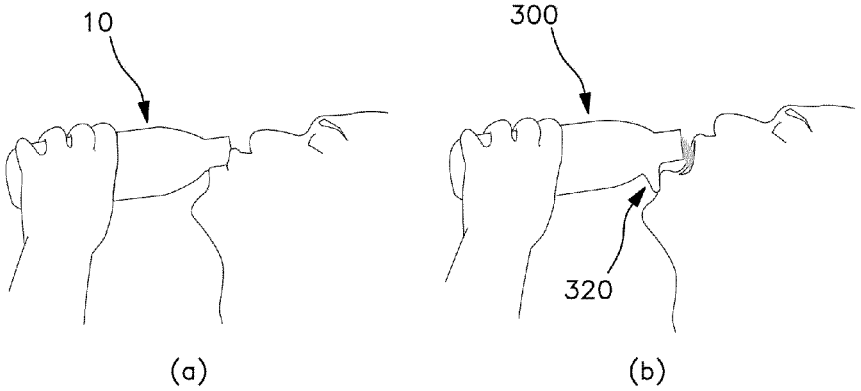

Fig.11

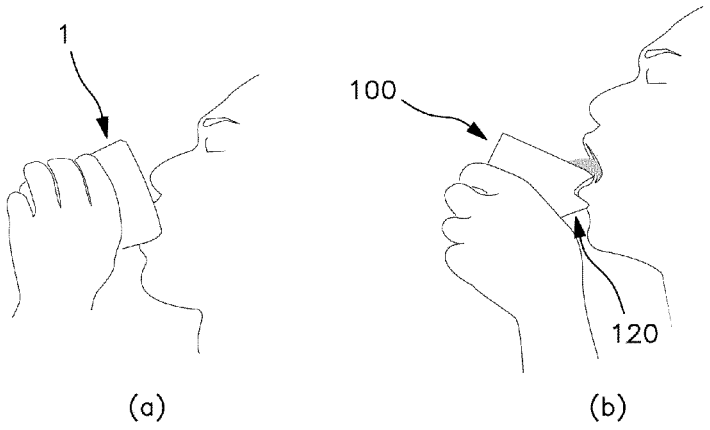

Fig. 12

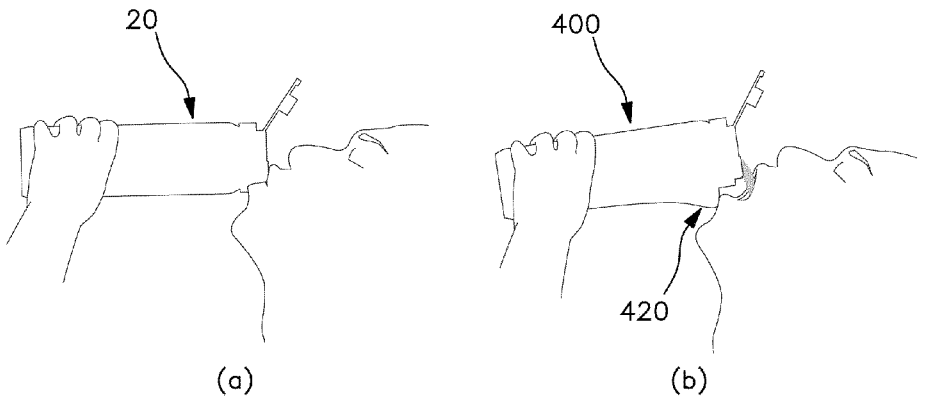

Fig.13

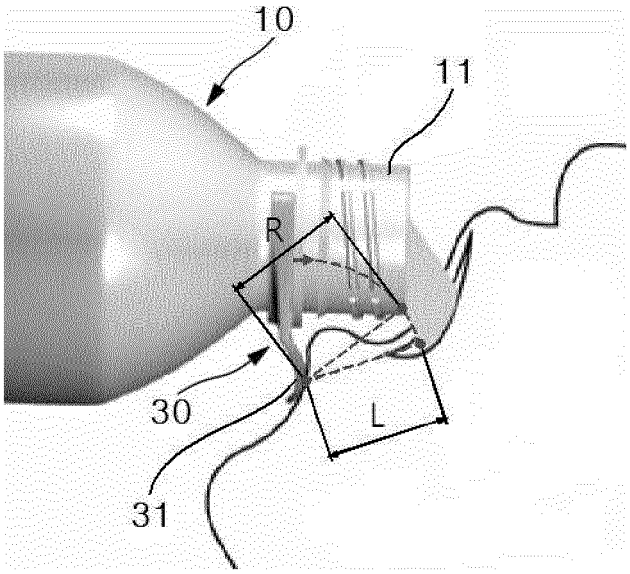

Fig. 14

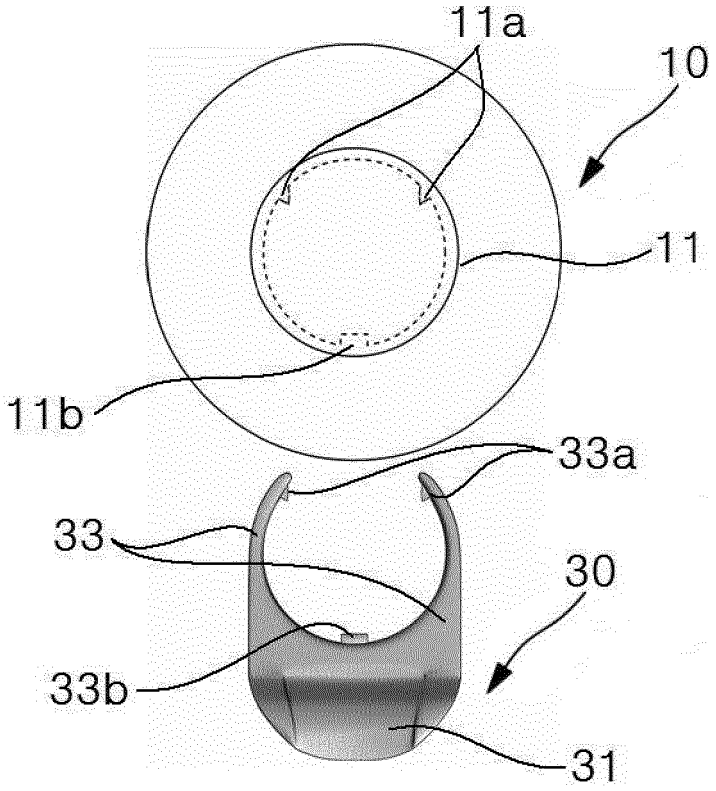

Fig. 15

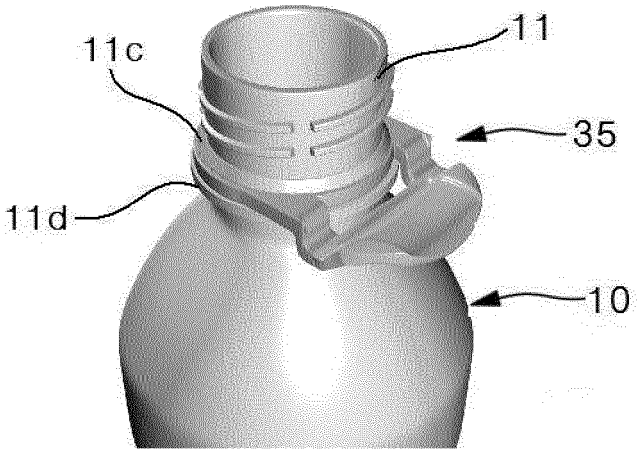

Fig. 16

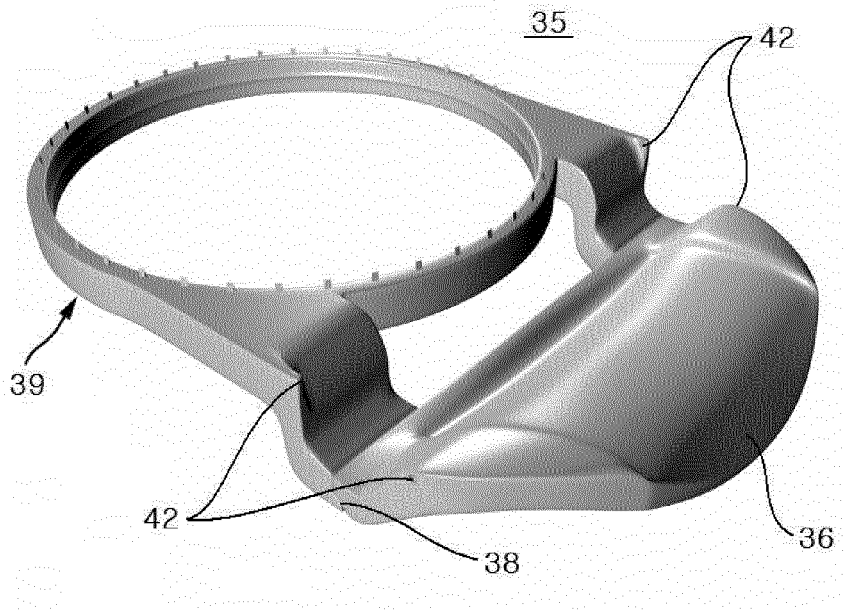

Fig. 17

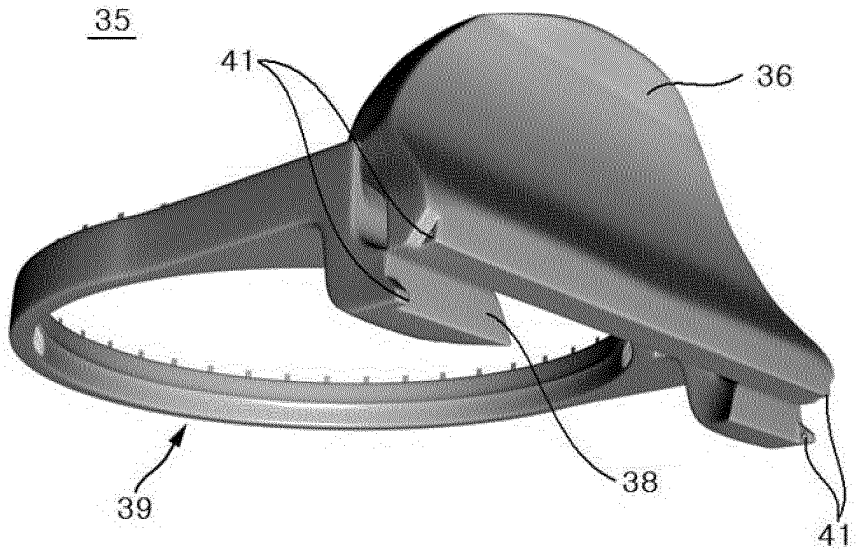

Fig. 18

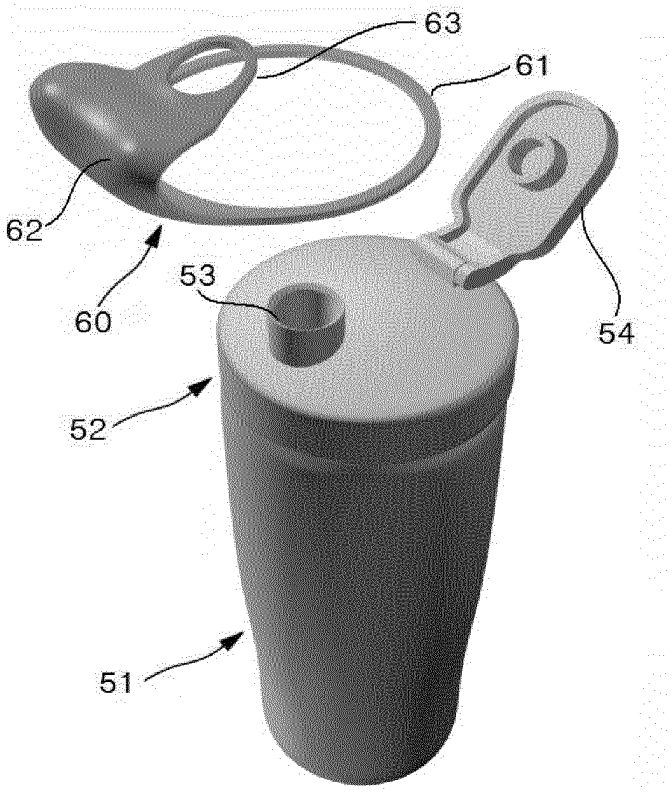

Fig. 19