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(54) **COSMETIC CONTAINER HAVING BUTTON-SEPARABLE STRUCTURE**

KOSMETIKBEHÄLTER MIT DURCH KNOPF TRENNBARER STRUKTUR

RÉCIPIENT POUR PRODUIT COSMÉTIQUE AYANT UNE STRUCTURE À BOUTON SÉPARABLE

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(73) Proprietor: **Pum-Tech Korea Co., Ltd**

Incheon 21315 (KR)

(72) Inventor: **LEE, Do Hoon**

Incheon 21315 (KR)

(74) Representative: **Eder, Michael**

df-mp Dörries Frank-Molnia & Pohlman
Patentanwälte Rechtsanwälte PartG mbB
Theatinerstrasse 16
80333 München (DE)

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Description

[Technical field]

[0001] One aspect of the present disclosure relates to a cosmetic container, and more particularly, to a cosmetic container having a button-separable structure, in which a part of an upper container can be easily detached from a lower container without being disturbed by a button through a button-separable structure provided on the upper container.

[Background Art]

[0002] A cosmetic product is an article used to beautify the appearance of a human body and cover defects of the appearance to enable the human body to appear attractive or to maintain a health of skis, hairs, etc.

[0003] The cosmetic product is classified into base cosmetics, color cosmetics, and functional cosmetics according to the purpose of use, and produced in a liquid or gel form or a solid or powder form according to characteristics thereof and stored and used in various types of cosmetic containers.

[0004] Accordingly, it is necessary to develop containers for various types of cosmetic products according to the purpose of use and characteristics of the cosmetic product. In general, a liquid or gel cosmetic product is used in such a manner that a user fills a glass container or a tube container with the liquid or gel cosmetic product, puts the cosmetic product on his/her hands for use or squeezes the cosmetic product from the container, and then applies the cosmetic product onto his/her skins.

[0005] However, according to such a conventional cosmetic container, there is an inconvenience that the user is required to wash his/her hands on which a cosmetic material is put whenever the user uses the cosmetic material and there is a problem that the cosmetic material is wasted.

[0006] In order to solve the problems as described above, a compact container in which a puff is mounted has been developed, so that the cosmetic material is not put on the hands and the puff is easily carried.

[0007] Korean Registration Patent No. 10-1584512 discloses such a conventional compact container, in which the conventional compact container includes an outer container, a refill container coupled to an inside of the outer container and having a cosmetic material contained therein, a refill container lid for opening and closing the refill container, and an outer container lid for opening and closing the outer container, and the outer container and the refill container are undercut-coupled to each other in a detachable manner, such that when the cosmetic material contained in the refill container is used up, the refill container may be separated from the outer container and a new refill container may be coupled to the outer container.

[0008] However, the conventional compact container

is inconvenient in use, in which the outer container lid and the refill container lid have to be opened from the outer container and the refill container, respectively, in order to check a type and color of a cosmetic material contained in the refill container.

[0009] In addition, since the conventional compact container has a push button installed on the front of the outer container, even when both the outer container and the refill container are formed of a transparent material to allow the cosmetic material contained in the refill container to be reflected on the outside, a part of the outer container is blocked by the push button, such that the push button installed on the outer container interferes with checking the type and color of the cosmetic material and occupies a predetermined space inside the outer container, thereby resulting in a structural limitation that a space for containing the cosmetic material is reduced.

[0010] In order to solve the above problem, Korean Registration Patent No. 10-1684243 discloses a compact container for cosmetics having an opening/closing button on a lid, in which an accommodation space for the opening/closing button in a container body is removed by forming the opening/closing button on a container lid, and a main container required for assembling the opening/closing button is removed to maximize the accommodation space for the cosmetic material in the container body, so that a lot of cosmetic materials can be effectively filled, thereby eliminating the need for frequently filling the cosmetic materials.

[0011] However, the conventional compact container as described above has a structure in which the compact container is hinge-coupled to the container body in a state in which the mirror is fixedly coupled to an inner side of the container lid, such that it was inconvenient to use the mirror by holding the container body with the container lid open, and it is problematic that the container lid is arbitrarily closed due to external impact or inclination of the container body to cover the mirror.

[0012] Accordingly, a mirror provided on the container lid may be separately used by applying a structure in which the container lid of the compact container is detached from the container body. In this case, in order to separate the container lid from the container body, there was inconvenience that a button is pushed to release fastening between the container lid and the container body, and then the container lid is forcibly removed and separated from the container body. In addition, the container lid of the compact container is formed with two or more configurations of an upper plate and a lower plate that are detachably coupled to each other, and the mirror may thus be separately used by separating an upper portion of the container lid from a lower portion thereof. In this case, because a button is installed on one side of the container lid, the button interferes with a detachment process between the container lid and the container body.

[0013] Therefore, it is necessary to develop a cosmetic container, in which the button does not interfere with sep-

arating or coupling between the container body and the container lid when separating the container lid installed with the button from the container body in order to separately use or recycle the mirror.

[0014] Further technological background is known from US 2017/273440 A1, KR 2020 0001038 U, US 2009/145795 A1, US 2017/099930 A1 and US 2018/271255 A1.

[Related art documents]

[Patent documents]

[0015]

(Patent Document 0001) Korean Registered Patent No. 10-1584512 (issued on January 25, 2016)

(Patent Document 0002) Korean Registered Patent No. 10-1684243 (issued on January 25, 2016)

[Disclosure]

[Technical Problem]

[0016] In order to solve the problems, the subject matter of the independent claim is provided. An object of the present disclosure is to provide a cosmetic container having a button-separable structure, preferably in which when an upper container is separated from a lower container in order to separately use or recycle a mirror provided in the upper container, some components of a button installed on the upper container are allowed to be separated together, so that the button does not interfere with detachment of the upper container from the lower container.

[0017] Another object of the present disclosure is to provide a cosmetic container having a button-separable structure, preferably in which a lower container is formed of a transparent material, and a button is installed on an upper container which opens and closes the lower container, such that contents are reflected on the outside through the entire transparent outer wall of the lower container, so that the user can easily check the contents, aesthetic feeling can be improved, and an internal space of the lower container can be easily secured.

[Technical Solution]

[0018] In order to achieve the above objects, the present disclosure provides a cosmetic container having a button-separable structure including: a lower container; an upper container which opens and closes the lower container; a button installed on the upper container; and a mirror formed on the upper container, wherein the upper container includes a connection member coupled to the lower container and a cover member detachably coupled to the connection member, and the button is divided into an elastic locking member formed on the connection

member and a pressing member formed on the cover member.

[0019] In addition, the lower container may be formed of a transparent material so that contents stored in the lower container may be reflected on an outside.

[0020] In addition, the lower container may be mounted with a content container which contains contents and a content container cover which opens and closes the content container.

[0021] In addition, the lower container may further include an intermediate body having a locking protrusion on one side thereof.

[0022] In addition, the cover member of the upper container may be rotatably coupled to an extent of a predetermined section while covering an upper portion of the connection member.

[0023] In addition, the connection member of the upper container may be formed with an insertion groove and a fixing protrusion to fix the elastic locking member of the button.

[0024] In addition, an elastic protrusion may be formed on the connection member of the upper container to horizontally and elastically support the elastic locking member of the button while allowing the elastic locking member to be spaced apart from an outer surface of the connection member at a predetermined interval.

[0025] In addition, a fastening portion including a horizontal fastening groove and a vertical separation groove may be formed on the connection member of the upper container, and a fastening protrusion may be formed on the pushing member of the button so that the pushing member of the button may be fastened to the horizontal fastening groove or located in the vertical separation groove.

[0026] In addition, a locking hook may be formed on an elastic locking member of the button, and elastic blades may extend from both sides of the locking hook.

[0027] In addition, the pushing member of the button may include a pushing portion exposed to an outside of the upper container and a coupling portion coupled to the cover member.

[0028] In addition, the coupling portion of the pushing member may be formed in a ring shape and coupled to an inside of the cover member, and the pushing portion may protrude outward from the coupling portion and be located in front of the elastic locking member.

[0029] In addition, the cover member of the upper container may be fastened to the connection member or fastening between the cover member and the connection member may be released while being rotated to an extent of a predetermined section, and simultaneously, the pushing member may be rotated together with the cover member so that the pushing member of the button may be connected to or separated from the elastic locking member.

[Advantageous Effects]

[0030] According to the aspect of the present disclosure, when the upper container is separated from the lower container in order to separately use or recycle the mirror provided in the upper container, some components of the button installed on the upper container are allowed to be separated together, so that the button does not interfere with detachment of the upper container from the lower container.

[0031] According to the aspect of the present disclosure, the lower container is formed of a transparent material, and the button is installed on the upper container which opens and closes the lower container, such that the contents are reflected on the outside through the entire transparent outer wall of the lower container, so that the user can easily check the contents, aesthetic feeling can be improved, and an internal space of the lower container can be easily secured.

[Description of Drawings]

[0032]

FIG. 1 is a perspective view of a cosmetic container according to one aspect of the present disclosure.

FIG. 2 is an exploded perspective view of the cosmetic container according to one aspect of the present disclosure.

FIG. 3 is a sectional view of the cosmetic container according to one aspect of the present disclosure.

FIG. 4 is a sectional view illustrating a state of opening the cosmetic container according to one aspect of the present disclosure.

FIG. 5 is a perspective view illustrating a state in which a lower container is fastened to an upper container according to one aspect of the present disclosure.

FIG. 6 is a perspective view illustrating a state in which fastening between a cover member of the upper container and the connection member is released by rotating the cover member according to one aspect of the present disclosure.

FIG. 7 is a perspective view illustrating a state in which the cover member of the upper container is lifted to be separated from the connection member according to one aspect of the present disclosure.

FIG. 8 is a perspective view illustrating a state in which the cover member of the upper container is coupled to an upper portion of the connection member according to one aspect of the present disclosure.

FIG. 9 is a perspective view illustrating a state in which the cover member of the upper container is fastened to the connection member by reversely rotating the cover member according to one aspect of the present disclosure.

[Best Mode]

[0033] The detailed description of the present disclosure will be described below with reference to the accompanying drawings showing specific aspects in which the present disclosure can be embodied. These aspects will be described in detail as sufficient as to enable those skilled in the art to practice the present disclosure. It may be understood that the various aspects of the present disclosure do not need to be mutually exclusive although they are different from each other. For example, the specific shapes, structures, and characteristics disclosed herein may be implemented in other aspects in relation to one aspect without departing from the and scope of the present disclosure, as long as they fall within the scope of the claims.

[0034] Accordingly, the detailed description described below is not intended to be taken as a restrictive meaning, but if it is properly described, the scope of the present disclosure is restricted only by the appended claims. In the drawings, the similar reference symbols refer to the same or similar functions throughout several aspects.

[0035] The terms used in the present disclosure have been selected from currently widely used general terms in consideration of the functions in the present disclosure. However, the terms may vary according to the intention of one of ordinary skill in the art, case precedents, and the advent of new technologies. Also, for special cases, meanings of the terms selected by the applicant are described in detail in the description section. Accordingly, the terms used in the present disclosure are defined based on their meanings in relation to the contents discussed throughout the specification, not by their simple meanings.

[0036] When a part may "include" a certain constituent element, unless specified otherwise, it may not be construed to exclude another constituent element but may be construed to further include other constituent elements.

[0037] Hereinafter, a cosmetic container having a button-separable structure according to one aspect of the present disclosure will be described in detail with reference to FIGS. 1 to 9.

[0038] FIG. 1 is a perspective view of a cosmetic container according to one aspect of the present disclosure, FIG. 2 is an exploded perspective view of the cosmetic container according to one aspect of the present disclosure, and FIG. 3 is a sectional view of the cosmetic container according to one aspect of the present disclosure.

[0039] As illustrated in the drawings, the present disclosure includes a lower container 10, an upper container 20, a button 30, and a mirror 40, in which the upper container 20 includes a connection member 22 coupled to the lower container 10 and a cover member 24 detachably coupled to the connection member 22, and the button 30 is divided into an elastic locking member 32 formed on the connection member 24 and a pushing member 34 formed on the cover member 24.

[0040] The lower container 10 stores a cosmetic product and is formed in a cylindrical shape with an open top and bottom. In the drawings of the cosmetic container according to one aspect of the present disclosure, the lower container 10 is illustrated as having a cylindrical shape with a lower height and a wide width, but is not limited thereto, and may be changed into various shapes according to convenience of use or preference or fashion of a purchaser.

[0041] The entire lower container 10 may be formed of a transparent material so that contents stored in the lower container 10 may be reflected on the outside. That is, even though a user does not directly check the contents stored in the lower container 10 by opening the upper container 20 from the lower container 10, the contents are reflected on the outside through the entire transparent outer wall of the lower container 10, such that the contents stored in the lower container 10 can be easily checked, and accordingly, aesthetic feeling of an appearance of the cosmetic container can be improved.

[0042] As illustrated in FIG. 2, a hinge insertion hole 12 may be formed in one side of the lower container 10, and a hinge insertion protrusion 12a may be formed on the hinge insertion hole 12 so that the upper container 20 may be hinge-coupled to the lower container 10. In this case, the hinge insertion protrusion 12a preferably protrudes in a pair from both side walls of the hinge insertion hole 12.

[0043] In addition, a ring-shaped intermediate body 14 may be further provided on an upper end of the lower container 10. The intermediate body 14 is formed on the upper end of the lower container 10 in a ring shape, and a locking protrusion 14a protrudes upward from one side thereof and is engaged with a button 30 installed on the upper container 20. The locking protrusion 14a may have a protrusion portion formed on an inner upper portion thereof, an outer wall may extend to both lower portions of the protrusion portion, and a groove may be formed between the protrusion portion and the outer wall.

[0044] As illustrated in FIG. 3, a bonding groove 14b may be formed on a lower end of the intermediate body 14, and a bonding protrusion 16 may be formed on the upper end of the lower container 10, so that the intermediate body 14 and the lower container 10 may be bonded to each other while they are fitted with each other. In this case, the intermediate body 14 is preferably bonded to the upper end of the lower container 10 through ultrasonic bonding, high-frequency bonding, or thermal bonding. This is to prevent the aesthetic feeling of the cosmetic container from being degraded due to the coupling structure when the lower container 10 and the intermediate body 14 have separate coupling structures.

[0045] Meanwhile, a content container 50 for containing contents and a content container cover 60 for opening and closing the content container 50 may be mounted in the lower container 10.

[0046] The contents are contained in the content container 50 or an impregnated sponge impregnated with

contents is mounted in the content container 50, the impregnated sponge is preferably formed of at least one material selected from the group consisting of butadiene rubber (BR), styrene butadiene rubber (SBR), natural rubber (NR), natural rubber styrene butadiene rubber (NRSBR), acrylonitrile-butadiene rubber (NBR), wet urethane, dry urethane, polyether, polyester, polyvinyl chloride, polyethylene, latex, silicone, polyvinyl alcohol (PVA), nitrile rubber, butyl rubber, and neoprene.

[0047] Like the lower container 10, the content container 50 may have a surface formed of a transparent material, such that the contents contained in the content container 50 may be reflected on the outside through the transparent content container 50 and lower container 10, thereby allowing the user to easily check the contents.

[0048] Meanwhile, the lower container 10 and the content container 50 may adjust transparency (a value expressed as a ratio of light transmitted through a mineral) for improving information delivery function or aesthetic feeling. For example, the contents contained in the lower container 10 and the content container 50 can be clearly visible through the lower container 10 and the content container 50 by increasing the transparency of the lower container 10 and the content container 50, the contents contained in the lower container 10 and the content container 50 can be delicately visible through the content container 50 and the lower container 10 by lowering the transparency.

[0049] As illustrated in FIG. 2, a ring-shaped content container coupling ring 52 is coupled to an upper end of the content container 50, in which the content container coupling ring 52 may seal the inside of the content container 50, and simultaneously, may be shaft-coupled to the content container cover 60.

[0050] First and second lower extension protrusion rings 52a and 52b may vertically extend from a lower edge of the content container coupling ring 52, and a third lower extension protrusion ring 52c may vertically extend while being inwardly spaced apart from the first and second lower extension protrusion rings 52a and 52b. As illustrated in FIG. 3, the first and second lower extension protrusion rings 52a and 52b are coupled while surrounding an upper end of the outer wall of the content container 50, and when the content container cover 60 is closed, the third lower extension protrusion ring 52c comes into close contact with a sealing protrusion ring 62 formed on a lower portion of the content container cover 60 to seal the inside of the content container 50. In this case, a horizontal extension protrusion ring 52d may horizontally extend from an inside of the third lower extension protrusion ring 52c, in which the horizontal extension protrusion ring 52d may limit an exposed portion of the impregnated sponge contained in the content container 50 or prevent the impregnated sponge from going out.

[0051] In addition, a first hinge coupling portion 54 may protrude from one side of an upper portion of the content container coupling ring 52, so that the content container

coupling ring 52 may be hinge-coupled to the content container cover 60.

[0052] The content container cover 60 is hinge-coupled to the content container coupling ring 52 and rotates about an axis to open and close the content container 50. The sealing protrusion ring 62 may extend downward from the lower portion of the content container cover 60, come into close contact with an inner periphery of the third lower extension protrusion ring 52c of the content container 50 when the content container cover 60 is closed, and a makeup tool storage groove 66 may be formed on an upper portion of the content container cover 60 to store a makeup tool (not illustrated).

[0053] In addition, as illustrated in FIG. 2, a second hinge coupling portion 64 may be formed on one side of the content container cover 60 to be hinge-coupled to the first hinge coupling portion 54 of the content container 50, and a knob 68 may be formed on an opposite side of the second hinge coupling portion 64 and protrude outward so as to allow the user to easily hold the knob 68.

[0054] The upper container 20 is coupled to one side of the lower container 10 to open and close the lower container 10. The upper container 20 may include the connection member 22 coupled to the lower container 10 and the cover member 24 detachably coupled to the connection member 22.

[0055] The connection member 22 has a ring shape where a center thereof is perforated, connects the cover member 24 and the lower container 10 to each other, and is hinge-coupled to the upper portion of the lower container 10 so as to rotate about an axis.

[0056] As illustrated in FIG. 2, an insertion groove 22a may be formed in one side of the connection member 22, a pair of insertion grooves 22a may be formed in front of the connection member 22 while being spaced apart from each other at a predetermined interval, and both end portions of the button 30 are inserted into the pair of insertion grooves 22a to horizontally fix the button 30. At least one fixing protrusion 22b is formed on a front upper end of the connection member 22, in which the fixing protrusion 22b presses the upper end of the button 30 to vertically fix the button 30. As a result, the button 30 is stably fixed in front of the connection member 22 by the insertion groove 22a and the fixing protrusion 22b.

[0057] An elastic protrusion 22c may protrude adjacent to the insertion groove 22a and the fixing protrusion 22b of the connection member 22, that is, between the pair of insertion grooves 22a, in which like the insertion groove 22a, a pair of elastic protrusions 22c is formed while being spaced apart from each other at a predetermined interval to support a rear surface of the elastic locking member 32 of the button 30. Accordingly, the elastic protrusion 22c vertically and elastically supports the elastic locking member 32 while being spaced apart from an outer periphery of the connection member 22 at a predetermined interval.

[0058] An insertion hole 22d may be formed in a front side of the connection member 22. The locking protrusion

14a of the lower container 10 and a locking hook 34a of the button 30 are inserted into the insertion hole 22d together and fastened to each other.

[0059] In addition, a hinge connection portion 22e is formed opposite to the insertion hole 22d and inserted into the hinge insertion hole 12 of the lower container 10 to allow the lower container 10 to shaft-couple to the connection member 22, in which a hinge insertion groove 22f is formed in the hinge connection portion 22e so that the hinge insertion protrusion 12a of the lower container 10 is fitted into the hinge insertion groove 22f. In this case, like the hinge insertion protrusion 12a, a pair of hinge insertion grooves 22f is preferably formed on both side walls of the hinge connection portion 22e.

[0060] Meanwhile, a fastening portion 26 including a horizontal fastening groove 26a and a vertical separation groove 26b may be formed on the outer periphery of the connection member 22. In this case, the horizontal fastening groove 26a and the vertical separation groove 26b are disposed continuously or adjacent to each other, in which the horizontal fastening groove 26a is preferably formed as a groove vertically extending along the outer periphery of the connection member 22, and the vertical separation groove 26b is preferably formed as a groove with an open upper portion by vertically extending in a height direction of the connection member 22. As illustrated in a partially enlarged view of FIG. 2, a separation prevention protrusion 26c may protrude outward from an upper portion adjacent to the horizontal fastening groove 26a, and an oblique surface 26d inclined at a predetermined angle may be formed on one side surface of the vertical separation groove 26b adjacent to the horizontal fastening groove 26a. That is, the separation prevention protrusion 26c may prevent the fastening protrusion 34c of the pushing member 30 from being separated from the upper portion of the connection member 22, and the fastening protrusion 34c of the pushing member 30 may be smoothly moved from the vertical separation groove 26b to the horizontal fastening groove 26a by the oblique surface 26d during rotation of the cover member 24.

[0061] In addition, the cover member 24 has a disc shape having open one side and provided with a certain space inside thereof, and is rotatably coupled to the extent of a predetermined section from the connection member 22 while covering the upper portion of the connection member 22. A button through-hole 24a may be formed in a front side of the cover member 24 of the upper container 20, and at least a part of the button 30 may pass through the button through-hole 24a.

[0062] At least one mirror guide protrusion 24b may be formed on an inner upper surface of the cover member 24, in which the mirror guide protrusion 24b is disposed in a circle along an edge of the cover member 24, and the mirror 40 is inserted into an inside of the mirror guide protrusion 24b. In addition, a first coupling protrusion 24c may be formed on an inner periphery of the cover member 24 so that the cover member 24 is fixedly coupled to the pushing member 34 of the button 30.

[0063] The button 30 may be installed and pushed by the user so that the upper container 20 may be fastened or released from the lower container 10, and the button 30 may be divided into the elastic locking member 32 and the pushing member 34.

[0064] The elastic locking member 32 may be formed on one side of the connection member 22 and located on a rear side of the pushing member 34 to provide elasticity to the pushing member 34, and the locking hook 32a fastened to the locking protrusion 14a of the intermediate body 14 may be formed on a center thereof. In this case, the upper portion of the locking hook 32a is more recessed inward than other parts, so that the locking protrusion 14a is preferably inserted into the recessed portion.

[0065] In addition, a pair of elastic blades 32b may be formed on both sides of the locking hook 32a, in which the elastic blade 32b extends in a curved shape corresponding to a surface of the connection member 22 so that an end portion thereof is inserted into the insertion groove 22a of the connection member 22, and the upper end of the elastic blade 32b comes into close contact with the fixing protrusion 22b of the connection member 22, and simultaneously, a back surface thereof comes into close contact with the elastic protrusion 22c of the connection member 22, such that the elastic blade 32b is horizontally or vertically fixed and horizontally supported while being spaced apart from the surface of the connection member 22 at a predetermined interval.

[0066] The pushing member 34 is formed on an inner side of the cover member 24, and located in front of the elastic locking member 32, so that the pushing member 34 pushes the elastic locking member 32 rearward or moves forward by a restoring force of the elastic locking member 32. The pushing member 34 may include a pushing portion 34a exposed to the outside of the cover member 24 of the upper container 20 and a coupling portion 34b coupled to the cover member 24. In this case, the pushing portion 34a preferably protrudes outside from the coupling portion 34b, and the coupling portion 34b is preferably formed in a ring shape to be coupled to the inner side of the cover member 24. In this case, the ring-shaped coupling portion 34b assists the elastic movement of the pushing portion 34a as its shape is deformed when the pushing portion 34a is pressed.

[0067] As illustrated in FIG. 3, at least a part of the pushing portion 34a may be exposed to the outside while passing through the button through-hole 24a of the cover member 24, and pressed by the user, in which the pushing portion 34a may be located in front of the elastic locking member 32 and formed with a contacting protrusion 34d on one side thereof so that the pushing portion 34a may make contact with the outer periphery of the elastic locking member 32. In this case, a pair of contacting protrusions 34d preferably protrudes from both side walls on an inner periphery of the pushing portion 34a in order to stably contact and press the elastic locking member 32.

[0068] In addition, the fastening protrusion 34c may be

formed on the pushing member 34, and as illustrated in FIG. 2, the fastening protrusion 34c may be inserted into and fastened to the horizontal fastening groove 26a or located in the vertical separation groove 26b to be released from the vertical separation groove 26b. That is, in a state in which the fastening protrusion 34c is inserted into the horizontal fastening groove 26a, if the fastening protrusion 34c moves to the vertical separation groove 26b by a rotation of the cover member 24 to an extent of a predetermined section, the fastening between the cover member 24 and the connection member 22 is released so that the cover member 24 is in a separable state. In this case, as the pushing member 34 installed on the cover member 24 moves to the side, it deviates from the center of the elastic locking member 32, and in contrast, in a state in which the fastening protrusion 34c is located in the vertical separation groove 26b, if the fastening protrusion 34c goes over the oblique surface 26d by the rotation of the cover member 24 to the extent of a predetermined section so that the fastening protrusion 34c is inserted into the horizontal fastening groove 26a, the connection member 22 is fastened to the cover member 24. In this case, the pushing member 34 installed on the cover member 24 moves to its original position, so that it is located on the front center of the elastic locking member 32.

[0069] Briefly, the cover member 24 of the upper container 20 may be fastened to or released from the connection member 22 while being rotated to the extent of a predetermined section, and simultaneously, the pushing member 34 of the button may come into close contact with or be separated from the elastic locking member 32 while being rotated together.

[0070] In addition, a second coupling protrusion 34e may be formed on an outer periphery of the pushing member 34 to be under-coupled to the first coupling protrusion 24c formed on the cover member 24. In the drawings of the cosmetic container according to one aspect of the present disclosure, it is illustrated that the cover member 24 of the upper container 20 is undercut-coupled to the pushing member 34 of the button 30, but the present disclosure is not limited thereto, and various coupling methods may be used to the extent that the pushing member 34 may be firmly and fixedly coupled to the inner side of the cover member 24, such as coupling by protrusions and grooves, forced fitting, or screw coupling.

[0071] The mirror 40 is attached to the inner side of the upper container 20 to reflect a makeup area of the user. As illustrated in FIG. 2, the mirror 40 is attached to an inner upper surface of the upper container 20, in which an outer surface of the mirror 40 is in close contact with an inner surface of the mirror guide protrusion 24b and fixed in a state in which the mirror 40 is located on the inner center of the upper container 20. Meanwhile, the mirror 40 may be located between the cover member 24 and the connection member 22 in a state in which the mirror 40 is not attached to the inner side of the cover member 24 so that the mirror 40 is easily collected during

separation of the cover member 24 from the connection member 22, and as illustrated in FIG. 3, the mirror 40 may be fixed while being pressed by the edge part of the connection member 22.

[0072] As described above, the cosmetic container according to one aspect of the present disclosure is configured such that the button 30 is divided into the elastic locking member 32 and the pushing member 34, and the elastic locking member 32 and the pushing member 34 are installed on the connection member 22 and the cover member 24 of the upper container 20, respectively so as to be disposed in front and back of the button 30 to each other, such that when the cover member 24 is separated from or coupled to the connection member 22, the pushing member 34 is also separated from or connected to the elastic locking member 32, and accordingly, the button 30 does not interfere with a detachment process between the connection member 22 and the cover member of the upper container 20.

[0073] FIGS. 4 to 9 are views illustrating use and assembly of the cosmetic container according to one aspect of the present disclosure, and illustrate a method for using the cosmetic container according to one aspect of the present disclosure with reference to FIGS. 4 to 9.

[0074] FIG. 4 is a sectional view illustrating a state of opening the cosmetic container according to one aspect of the present disclosure, FIG. 5 is a perspective view illustrating a state in which a lower container is fastened to an upper container according to one aspect of the present disclosure, FIG. 6 is a perspective view illustrating a state in which fastening between a cover member of the upper container and the connection member is released by rotating the cover member according to one aspect of the present disclosure, FIG. 7 is a perspective view illustrating a state in which the cover member of the upper container is lifted to be separated from the connection member according to one aspect of the present disclosure., FIG. 8 is a perspective view illustrating a state in which the cover member of the upper container is coupled to an upper portion of the connection member according to one aspect of the present disclosure., and FIG. 9 is a perspective view illustrating a state in which the cover member of the upper container is fastened to the connection member by reversely rotating the cover member according to one aspect of the present disclosure.

[0075] In order to use the cosmetic container according to one aspect of the present disclosure, first, the button 30 exposed to one side of the upper container 20 is pushed to release the fastening between the upper container 20 and the lower container 10 as illustrated in FIG. 4, and the upper container 20 is then rotated to open the upper container 20, the refill container cover 52 is rotated to open the refill container 50, and then makeup is performed with the cosmetic product contained in the refill container 50. In this case, as the pushing member 34 of the button 30 is pushed, the contacting protrusion 34d of the pushing member 34 pushes the front surface of the elastic locking member 32, and simultaneously, the lock-

ing hook 32a of the elastic locking member 32 is pushed back, thereby releasing the fastening between the locking protrusion 14a of the intermediate body 14 and the locking hook 32a.

[0076] Meanwhile, the mirror 40 may be separately used or recycled by separating the mirror 40 from the cosmetic container. Before separating the mirror 40 from the cosmetic container, as illustrated in FIG. 5, the elastic locking member 32 is installed on the inner side of the connection member 22 of the upper container 20 and the pushing member 34 of the button 30 is installed on the inner side of the cover member 24, so that the pushing member 34 and the elastic locking member 32 are disposed to be in close contact with each other in front and back, and the fastening protrusion 34c of the pushing member 34 is fixed while being inserted into and fastened to the horizontal fastening groove 26a of the connection member 22. In this case, the fastening protrusion 34c of the pushing member 34 may be prevented from being separated from an upper side of the horizontal fastening groove 26a by a separation prevention protrusion 26c formed on the upper portion of the horizontal fastening groove 26a.

[0077] As illustrated in FIG. 6, when the cover member 24 of the upper container 20 is rotated to the extent of a predetermined section in any one direction, as the fastening protrusion 34c of the pushing member 34 is moved to the side together with the cover member 24 and inserted into the vertical separation groove 26b, the fastening between the cover member 24 and the connection member 22 is released, such that the cover member 24 is in a separable state. In this case, as the pushing member 34 installed on the cover member 24 is moved to the side and deviates from the center of the elastic locking member 32, the button 30 including the elastic locking member 32 and the pushing member 34 is in an inoperable state.

[0078] Thereafter, as illustrated in FIG. 7, the cover member 24 of the upper container 20 is lifted and separated from the connection member 22, and the mirror 40 attached to the inner side of the cover member 24 is used or recycled.

[0079] Meanwhile, the cover member 24 of the upper container 20, which is separated from the cosmetic container, may be coupled again and used. First, as illustrated in FIG. 8, the cover member 24 covers the open upper portion of the connection member 22 while allowing the fastening protrusion 34c of the pushing member 34 to be inserted into the open upper portion of the vertical separation groove 26b.

[0080] Thereafter, as illustrated in FIG. 9, when the cover member 24 of the upper container 20 is rotated to the extent of a predetermined section in an opposite direction, the fastening protrusion 34c of the pushing member 34 is moved to the side together with the cover member 24, and goes over the oblique surface 26d, so that it is inserted into and fastened to the horizontal fastening groove 26a. In this case, as the pushing member 34 in-

stalled on the cover member 24 is moved to its original position, the pushing member 34 is located on the front center of the elastic locking member 32, and the contacting protrusion 34d of the pushing member 34 is in close contact with the outer periphery of the elastic locking member 32, so that the button 30 including the elastic locking member 32 and the pushing member 34 is in an operable state.

[0081] Although the above description has been made with reference to illustrative aspects and drawings as well as certain matters such as specific elements, the aspects are provided for overall understanding of the present disclosure, and the present disclosure is not limited to the aspects. It is understood by those skilled in the art that various changes and modifications can be made in these aspects.

[0082] Therefore, the spirit of the present disclosure may not be construed as being limited to the aspects described herein, the scope of the invention being defined by the appended claims.

[Description of Reference numerals]

[0083]

10: lower container 14: intermediate body
 14a: locking protrusion 20: upper container
 22: connection member 24: cover member
 26: fastening portion 26a: horizontal fastening groove
 26b: vertical separation groove 30: button
 32: elastic locking member 32a: locking hook
 32b: elastic blade 34: pushing member
 34a: pushing portion 34b: coupling portion
 34c: fastening protrusion 40: mirror
 50: content container 60: content container cover

Claims

1. A cosmetic container having a button-separable structure, the cosmetic container comprising:

a lower container (14); an upper container (20) which opens and closes the lower container; a button (30) installed on the upper container; wherein the upper container includes a connection member (22) coupled to the lower container and a cover member (24) detachably coupled to the connection member; **characterized in that** a mirror (40) is formed on the upper container and the button is divided into an elastic locking member (32) formed on the connection member and a pressing member (34) formed on the cover member

2. The cosmetic container of claim 1, wherein the lower container is formed of a transparent material so that

contents stored in the lower container are reflected on an outside.

3. The cosmetic container of claim 1, wherein the lower container is mounted with a content container (50) which contains contents and a content container cover (60) which opens and closes the content container.
4. The cosmetic container of claim 1, wherein the lower container further includes an intermediate body (14) having a locking protrusion (14a) on one side thereof
5. The cosmetic container of claim 1, wherein the cover member of the upper container is rotatably coupled to an extent of a predetermined section while covering an upper portion of the connection member.
6. The cosmetic container of claim 1, wherein the connection member of the upper container is formed with an insertion groove and a fixing protrusion to fix the elastic locking member of the button.
7. The cosmetic container of claim 1, wherein an elastic protrusion is formed on the connection member of the upper container to horizontally and elastically support the elastic locking member of the button while allowing the elastic locking member to be spaced apart from an outer surface of the connection member at a predetermined interval.
8. The cosmetic container of claim 1, wherein a fastening portion including a horizontal fastening groove and a vertical separation groove is formed on the connection member of the upper container, and a fastening protrusion (40) is formed on the pushing member of the button so that the pushing member of the button is fastened to the horizontal fastening groove or located in the vertical separation groove.
9. The cosmetic container of claim 1, wherein a locking hook (32a) is formed on the elastic locking member of the button, and elastic blades (32b) extend from both sides of the locking hook
10. The cosmetic container of claim 1, wherein the pushing member of the button includes a pushing portion (34a) exposed to an outside of the upper container and a coupling portion (34b) coupled to the cover member
11. The cosmetic container of claim 10, wherein the coupling portion of the pushing member is formed in a ring shape and coupled to an inside of the cover member, and the pushing portion protrudes outward from the coupling portion and is located in front of the elastic locking member.

12. The cosmetic container of claim 1, wherein the cover member of the upper container is fastened to or released from the connection member while being rotated to an extent of a predetermined section, and simultaneously, the pushing member of the button is rotated together with the cover member so that the pushing member of the button is connected to or separated from the elastic locking member.

Patentansprüche

1. Kosmetikbehälter mit einer durch Knöpfe trennbaren Struktur, wobei der Kosmetikbehälter umfasst:

einen unteren Behälter (14); einen oberen Behälter (20) der den unteren Behälter öffnet und schließt;

einen Taster (30), der auf dem oberen Behälter installiert ist;

wobei der obere Behälter ein Verbindungselement enthält (22), das an den unteren Behälter gekoppelt ist und ein Abdeckelement (24) das lösbar mit dem Verbindungselement gekoppelt ist;

dadurch gekennzeichnet, dass ein Spiegel (40) auf dem oberen Behälter geformt wird und der Knopf unterteilt ist in ein elastisches Verriegelungselement (32) welches auf dem Verbindungselement ausgebildet ist, und in ein Druckelement (34), das auf dem Abdeckelement ausgebildet ist.

2. Kosmetikbehälter nach Anspruch 1, wobei der untere Behälter aus einem durchsichtigen Material ausgebildet ist, so dass der im unteren Behälter gelagerte Inhalt nach außen reflektiert wird.

3. Kosmetikbehälter nach Anspruch 1, wobei der untere Behälter mit einem Inhaltsbehälter (50) befestigt ist, der den Inhalt enthält, und mit einem Inhaltsbehälter-Deckel (60) versehen ist, der den Inhaltsbehälter öffnet und schließt.

4. Kosmetikbehälter nach Anspruch 1, wobei der untere Behälter ferner einen Zwischenkörper (14) enthält, der auf einer Seite einen Verriegelungsvorsprung (14a) aufweist.

5. Kosmetikbehälter nach Anspruch 1, wobei das Abdeckelement des oberen Behälters bis zu einem vorbestimmten Abschnitt drehbar verbunden ist und dabei einen oberen Teil des Verbindungselements abdeckt.

6. Kosmetikbehälter nach Anspruch 1, wobei das Verbindungselement des oberen Behälters mit einer Einführungsnut und einem Befestigungsvorsprung

ausgebildet ist, um das elastische Verschlusselement des Knopfes zu befestigen.

7. Kosmetikbehälter nach Anspruch 1, wobei an dem Verbindungselement des oberen Behälters ein elastischer Vorsprung ausgebildet ist, um das elastische Verschlusselement des Knopfes horizontal und elastisch zu stützen, während das elastische Verschlusselement in einem vorbestimmten Abstand von einer Außenfläche des Verbindungselements beabstandet werden kann.

8. Kosmetikbehälter nach Anspruch 1, wobei ein Befestigungsabschnitt, der eine horizontale Befestigungsnut und eine vertikale Trennnut enthält, auf dem Verbindungselement des oberen Behälters ausgebildet ist, und wobei ein Befestigungsvorsprung (40) auf dem Druckelement des Knopfes gebildet wird, so dass das Druckelement des Knopfes an der horizontalen Befestigungsrinne befestigt ist oder sich in der vertikalen Trennrille befindet.

9. Kosmetikbehälter nach Anspruch 1, wobei ein Verriegelungshaken (32a) auf dem elastischen Sperrelement des Knopfes ausgebildet ist, und elastische Lamellen (32b) von beiden Seiten des Verriegelungshakens ausgehen.

10. Kosmetikbehälter nach Anspruch 1, wobei das Druckelement des Knopfes eine Druckfunktion (34a) enthält die zur Außenseite des oberen Behälters zeigt, und eine Kupplungsfunktion (34b) welche an das Abdeckelement gekoppelt ist.

11. Kosmetikbehälter nach Anspruch 10, wobei die Kupplungsfunktion des Druckelements ringförmig ausgebildet und mit einer Innenseite des Abdeckelements gekoppelt ist und die Druckfunktion von der Kupplungsfunktion nach außen ragt und vor dem elastischen Verschlusselement angeordnet ist.

12. Kosmetikbehälter nach Anspruch 1, wobei das Abdeckelement des oberen Behälters an dem Verbindungselement befestigt oder von diesem gelöst wird, während es um einen vorbestimmten Abschnitt gedreht wird, und gleichzeitig das Druckelement des Knopfes zusammen mit dem Abdeckelement gedreht wird, so dass das Druckelement des Knopfes mit dem elastischen Verschlusselement verbunden oder von diesem getrennt wird.

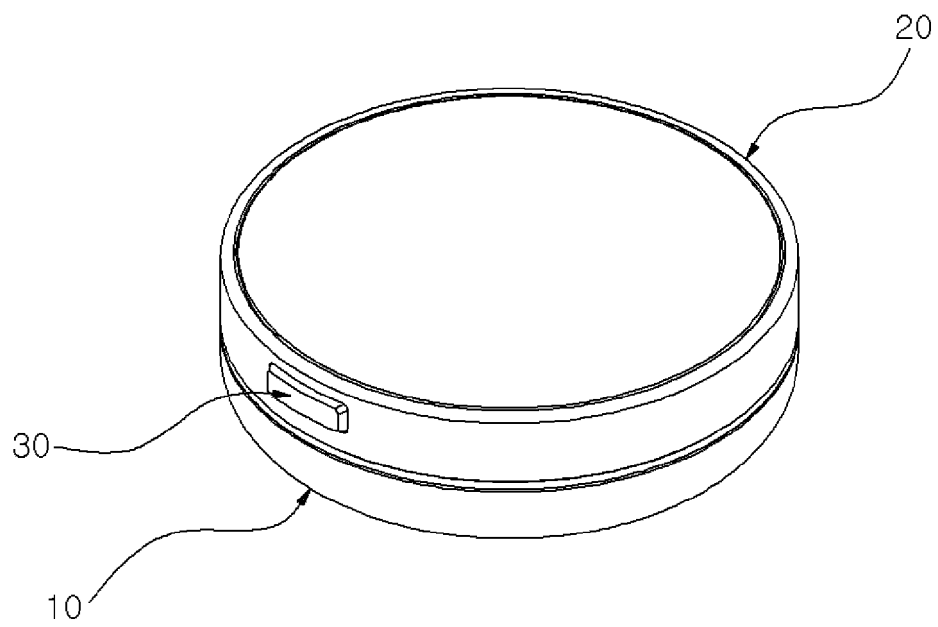
Revendications

1. Récipient cosmétique ayant une structure séparable par un bouton, le récipient cosmétique comprenant:

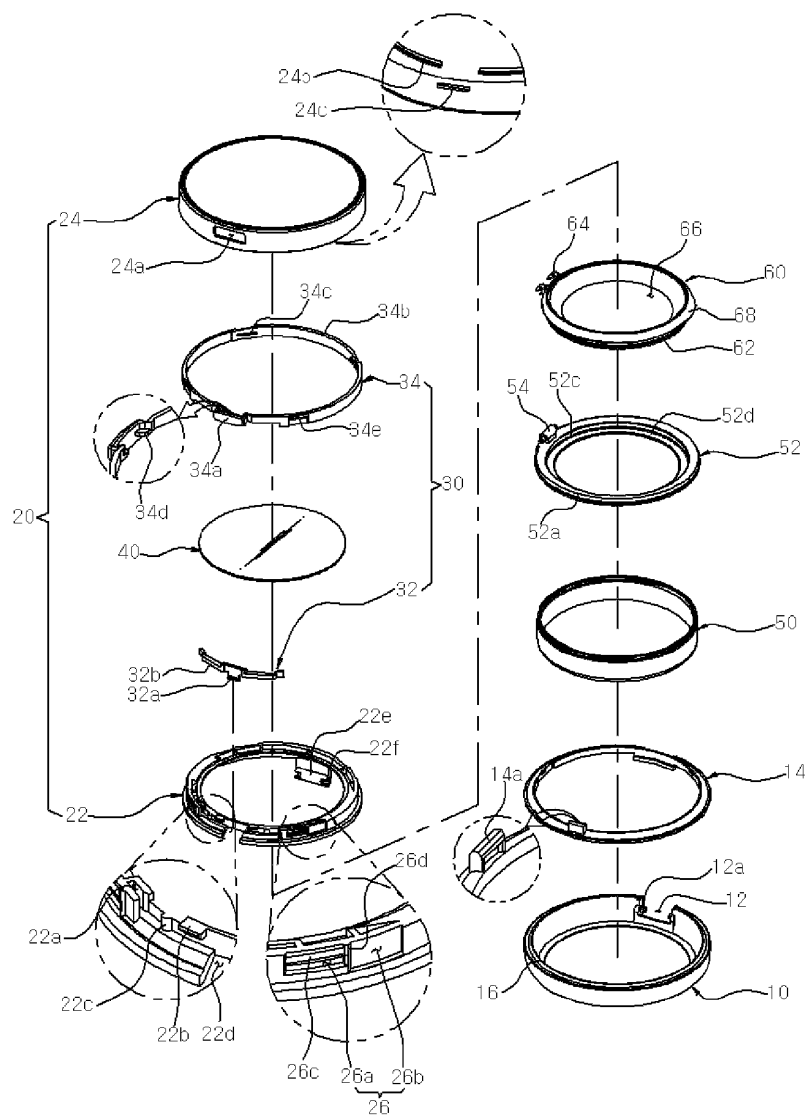
un récipient inférieur (14) ; un récipient supé-

- rieur (20) qui ouvre et ferme le récipient inférieur ; un bouton (30) installé sur le récipient supérieur ;
 dans lequel le récipient supérieur comprend un élément de connexion (22) couplé au récipient inférieure et un élément de couverture (24) couplé de manière détachable à l'élément de connexion ;
caractérisé par le fait qu'un miroir (40) est formé sur le récipient supérieur, et
 sur l'élément de connexion ; et le bouton est divisé en un élément de verrouillage élastique (32) formé sur l'élément de connexion et un élément de pression (34) formé sur l'élément de couverture.
2. Le récipient cosmétique de la revendication 1, dans lequel le récipient inférieur est formé d'un matériau transparent, de sorte que le contenu stocké dans le récipient inférieur se reflète à l'extérieur.
 3. Le récipient cosmétique de la revendication 1, dans lequel le récipient inférieur est monté avec un récipient de contenu (50) qui contient le contenu et un couvercle de récipient de contenu (60), qui s'ouvre et ferme le récipient de contenu.
 4. Le récipient cosmétique de la revendication 1, dans lequel le récipient inférieur comprend en outre un corps intermédiaire (14) ayant une protubérance de verrouillage (14a) sur l'un de ses côtés.
 5. Le récipient cosmétique de la revendication 1, dans lequel l'élément de couverture du récipient supérieur est couplé de manière rotative à une étendue d'une section prédéterminée tout en recouvrant une partie supérieure de l'élément de connexion.
 6. Le récipient cosmétique de la revendication 1, dans lequel l'élément de connexion du récipient supérieur est formé d'une rainure d'insertion et d'une protubérance de fixation pour fixer l'élément de verrouillage élastique du bouton.
 7. Le récipient cosmétique de la revendication 1, dans lequel une protubérance élastique est formée sur l'élément de connexion du récipient supérieur pour soutenir horizontalement et élastiquement l'élément de verrouillage élastique du bouton tout en permettant à l'élément de verrouillage élastique d'être espacé d'une surface extérieure de l'élément de connexion à un intervalle prédéterminé.
 8. Le récipient cosmétique de la revendication 1, dans lequel une partie de fixation comprenant une rainure de fixation horizontale et une rainure de séparation verticale est formée sur l'élément de connexion du récipient supérieur, et une protubérance de fixation (40) est formé sur l'organe de poussée du bouton de sorte que l'élément de poussée du bouton soit fixé à la rainure de fixation horizontale ou situé dans la rainure de séparation verticale.
 9. Le récipient cosmétique de la revendication 1, dans lequel un crochet de verrouillage (32a) est formé sur l'élément de verrouillage élastique du bouton, et des lames élastiques (32b) s'étendent des deux côtés du crochet de verrouillage.
 10. Le récipient cosmétique de la revendication 1, dans lequel l'élément de poussée du bouton comprend une partie de poussée (34a) exposée à l'extérieur du récipient supérieur et un accouplement partie (34b) couplée à l'élément de couverture.
 11. Le récipient cosmétique de la revendication 10, dans lequel la partie de couplage de l'élément de poussée est formée en forme d'anneau et couplée à l'intérieur de l'élément de couverture, et la partie de poussée fait saillie vers l'extérieur à partir de la partie de couplage et est située en face de l'élément de verrouillage élastique.
 12. Le récipient cosmétique de la revendication 1, dans lequel l'élément de couverture du récipient supérieur est fixé ou libéré de l'élément de connexion tout en étant tourné jusqu'à une section prédéterminée, et simultanément, l'élément de poussée du bouton est tourné avec l'élément de couverture de sorte que l'élément de poussée du bouton est relié ou séparé de l'élément de verrouillage élastique.

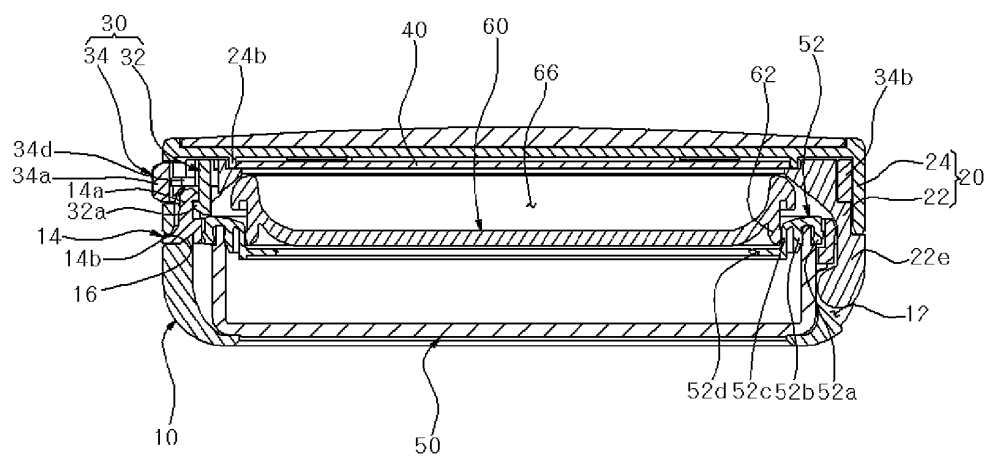
[FIG.1]



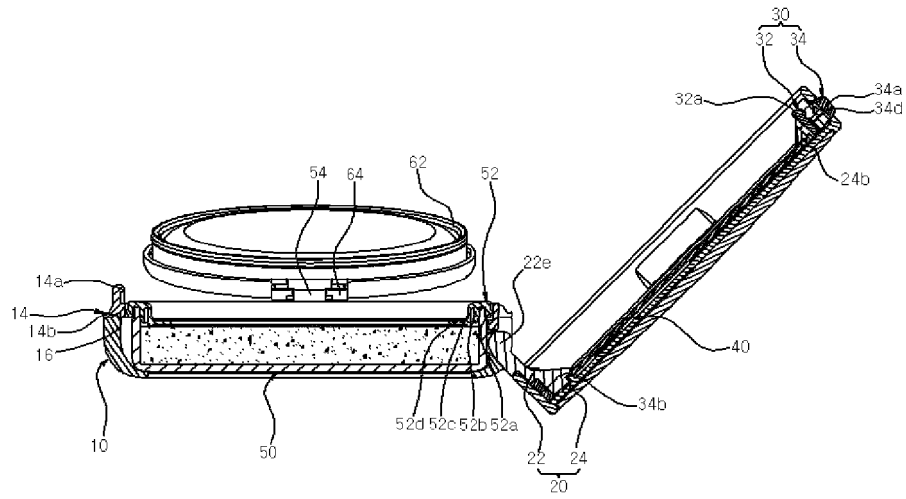
[FIG.2]



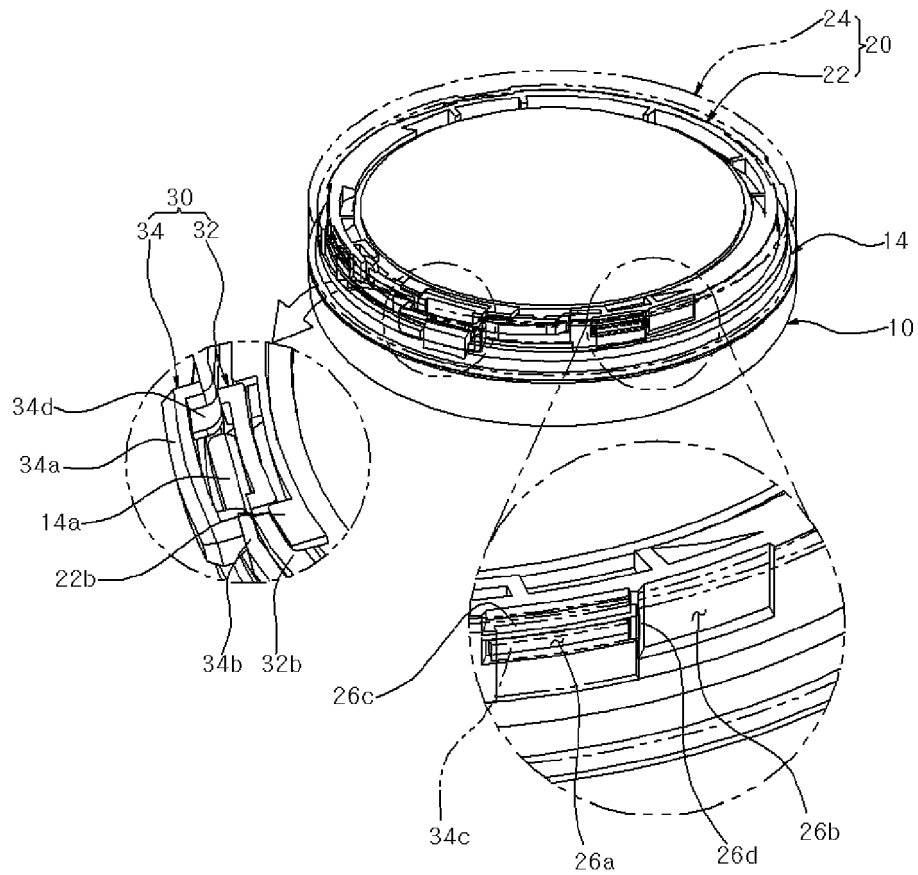
[FIG.3]



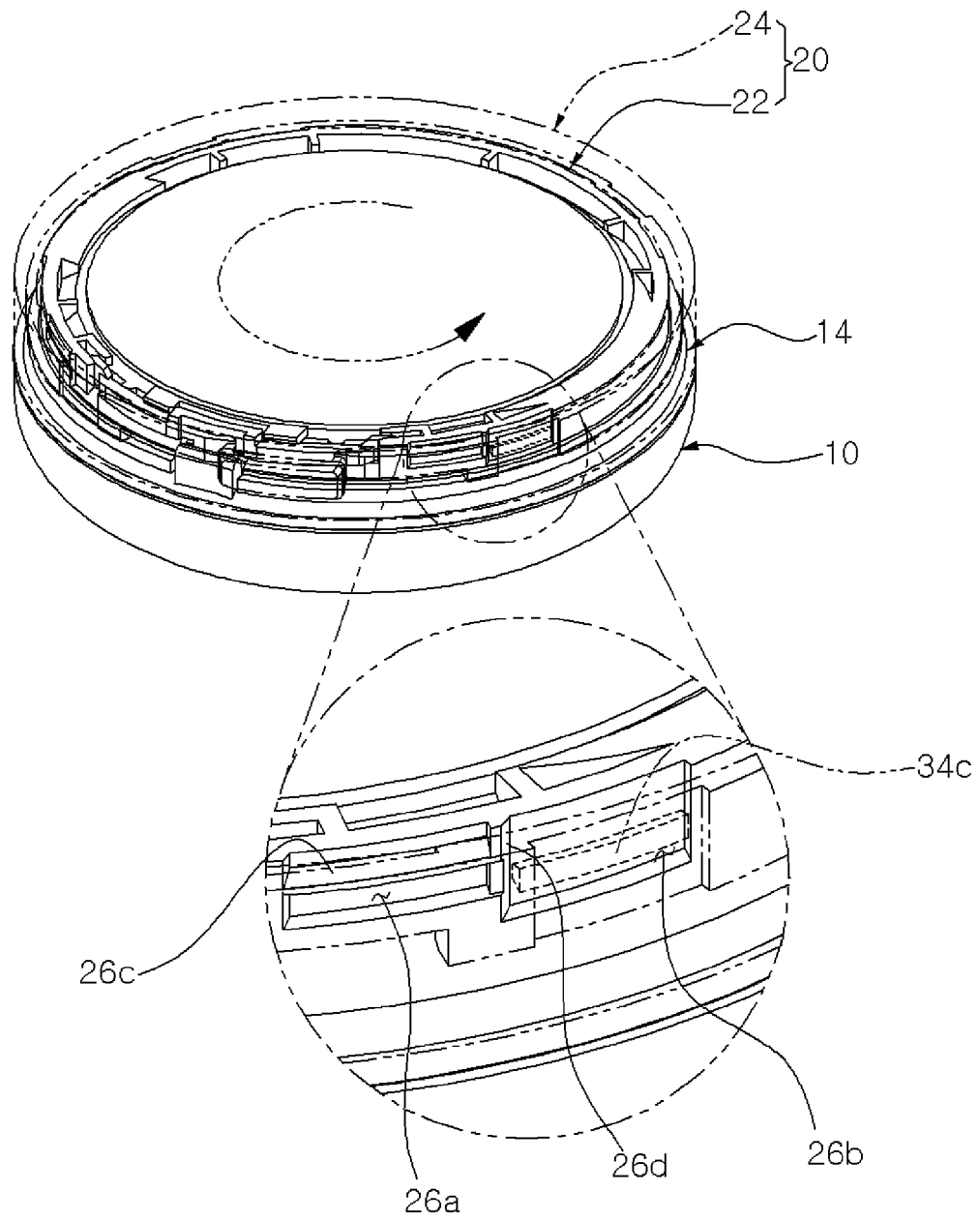
[FIG.4]



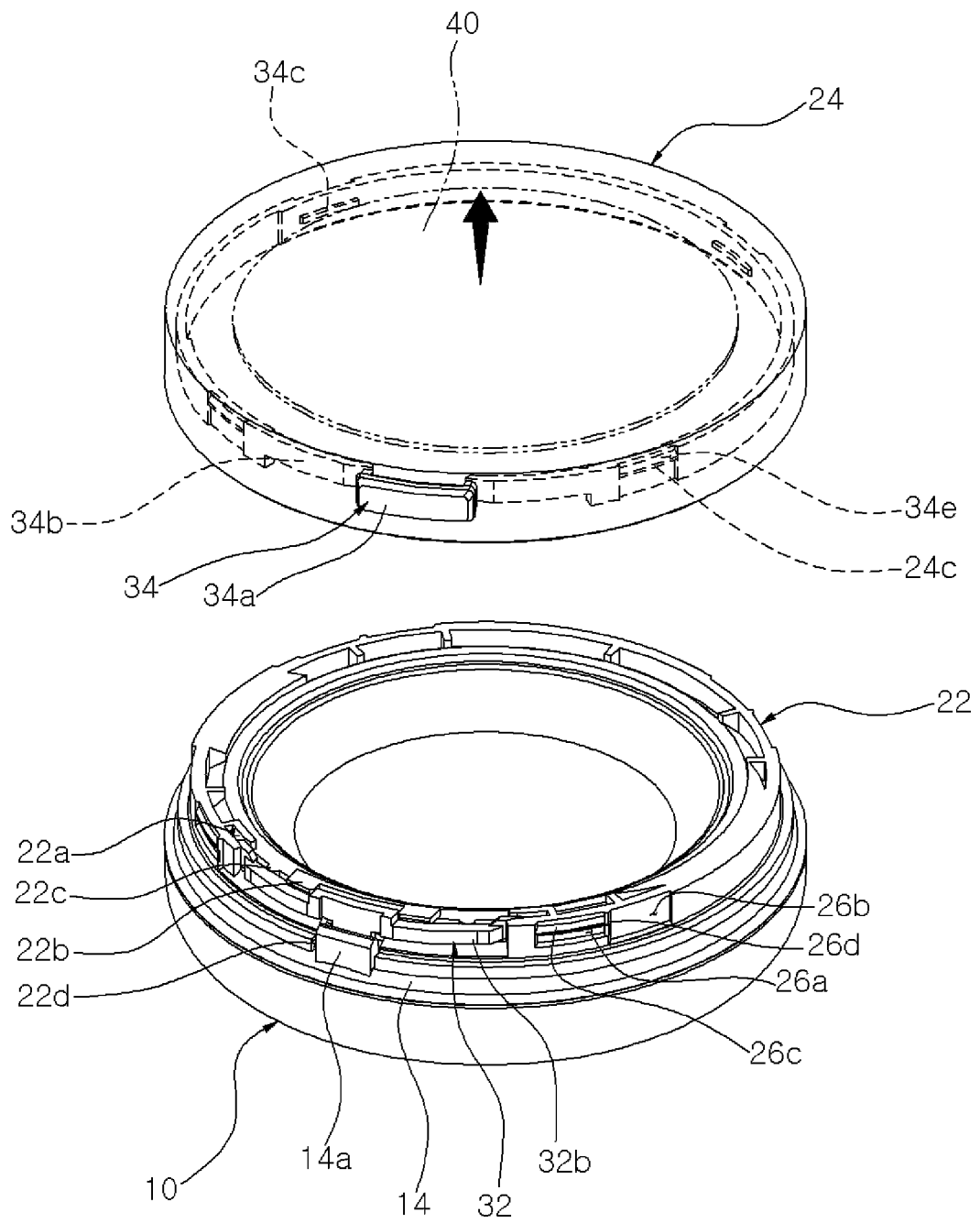
[FIG.5]



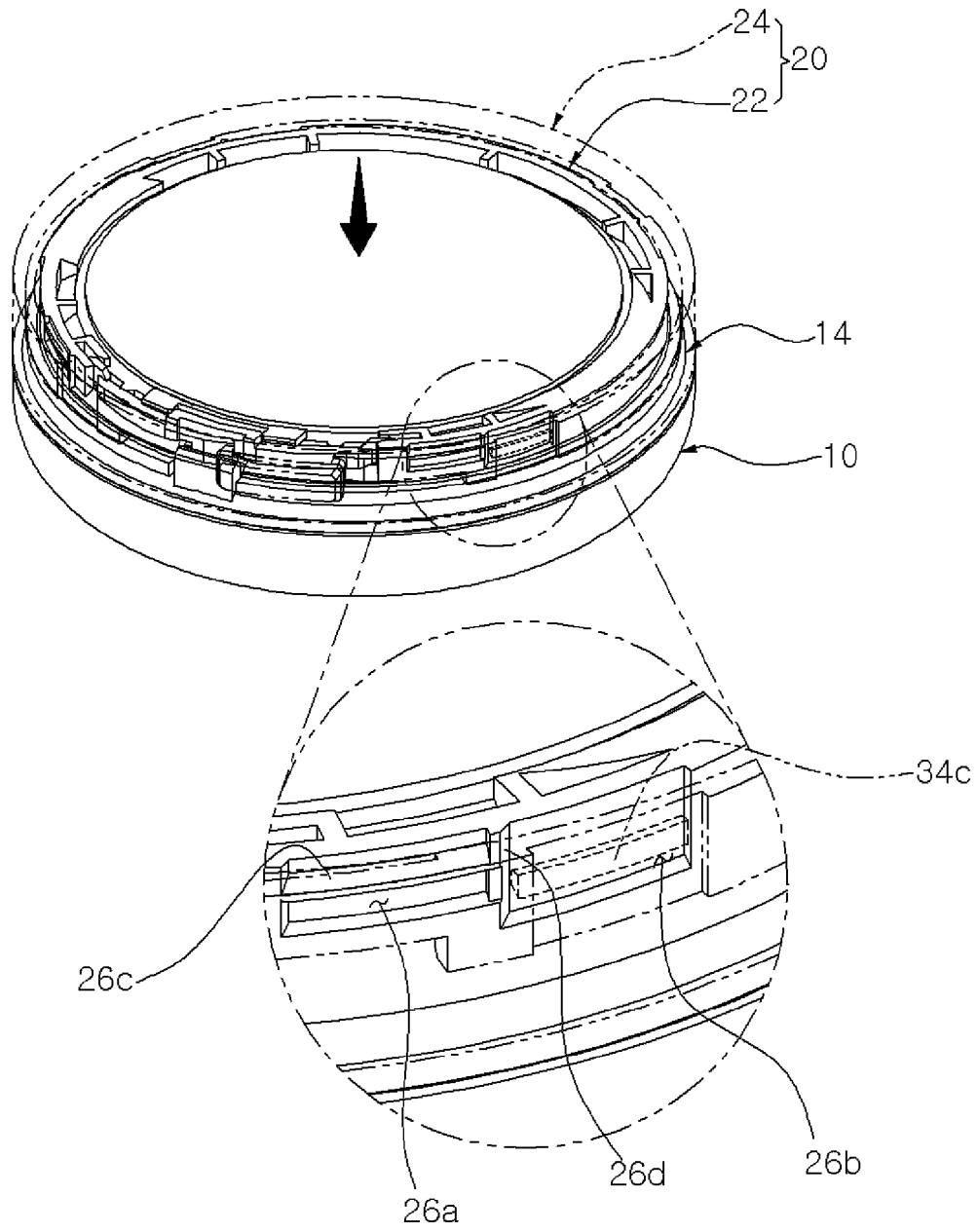
[FIG.6]



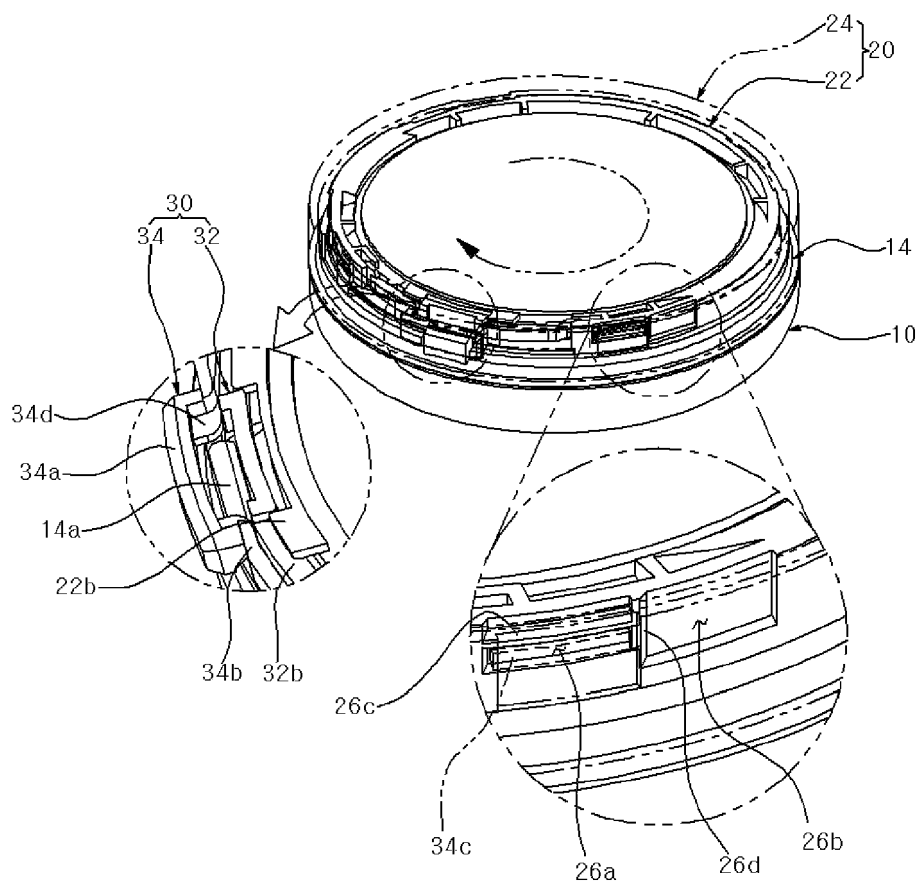
[FIG.7]



[FIG.8]



[FIG.9]



REFERENCES CITED IN THE DESCRIPTION

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