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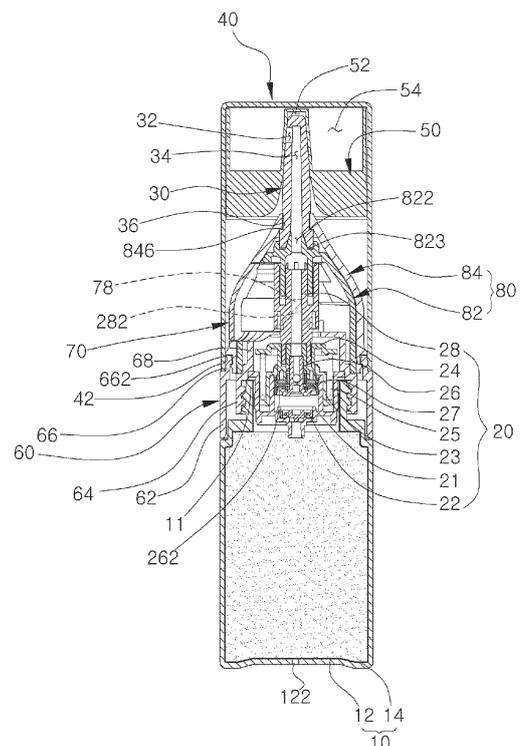
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(54) **COSMETIC CONTAINER EQUIPPED WITH TOP CAP HAVING IMPROVED SEALING FORCE**

(57) The present invention relates to a cosmetic container equipped with a top cap having improved sealing force, and more specifically, to a cosmetic container equipped with a top cap having improved sealing force comprising: a container main body for accommodating content; a discharge means, formed on the inside of the container main body, for discharging the content; an applicator coupled to the top portion of the discharge means and provided with a discharge port on one side; and the top cap coupled to the top portion of the container main body, wherein the top cap is provided with a sealing member on the inside and has a structure wherein a sealed portion is formed at the center of the sealing member, so that when the top cap is closed over the container main body, the applicator is tightly coupled to be in close contact with the sealed portion in the sealing member thereby improving the sealing force of the applicator.

[Fig. 4]



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Description

[Technical Field]

5 **[0001]** The present invention relates to a cosmetic container equipped with a top cap having improved sealing force, and more specifically, to a cosmetic container equipped with a top cap having improved sealing force comprising: a container main body for accommodating content; a discharge device, formed on the inside of the container main body, for discharging the content; an applicator coupled to the top portion of the discharge device and provided with a discharge port on one side; and the top cap coupled to the top portion of the container main body, wherein the top cap is provided with a sealing member on the inside and has a structure wherein a sealed portion is formed at the center of the sealing member, so that when the top cap is closed over the container main body, the applicator is tightly coupled to be in close contact with the sealed portion in the sealing member thereby improving the sealing force of the applicator.

[Background Art]

15 **[0002]** Color cosmetics are used to beautifully adorn the skin of a user by making the appearance beautiful. The color cosmetics are divided into a base makeup used for making the skin color uniform and covering defects, and a point makeup for partially enhancing the three-dimensional effect on lips, eyes, nails and the like. The base makeup includes a makeup base, a foundation, a powder, and a concealer, and the point makeup includes a lipstick, an eye liner, and a mascara.

20 **[0003]** Among the cosmetics listed above, the foundation is classified into a solid foundation, a liquid foundation, and a gel foundation according to a form of a cosmetic material. Recently, many consumers prefer the gel foundation having a significant sustainability and having a good adhesion upon application onto a skin.

25 **[0004]** Therefore, there is a need to develop a container for the gel foundation. In general, a gel material is used in the manner that the gel material is filled into a cosmetic container or a tube container, dipped or squeezed on a hand by a user, and applied onto a skin using a puff.

30 **[0005]** However, because a separate makeup tool is necessary to use the conventional gel cosmetic material, there is a high probability of losing cosmetic tools. In addition, because the cosmetic tools is required to be separately stored, portability is not preferable.

35 **[0006]** To solve the above mentioned problems, as shown in FIG. 1, Korean Patent Publication No. 10-2016-0053700 is disclosed to configured to include a body that contains contents, an applicator formed integrally on the body and having a discharge port at one side thereof, a top cap coupled to the body while surrounding the applicator, in which the contents in the body is squeezed out and simultaneously the contents are discharged to a discharge port of the applicator, so that the applicator may be conveniently used.

40 **[0007]** Meanwhile, the above related art has a structure in that a sealing rod formed inside the top cap is inserted into the discharge port of the applicator to seal the contents in the body when the top cap closes the body so as to seal the discharge port.

45 **[0008]** However, according to the related art, since the sealing rod extends and elongates downward inside the top cap, the sealing rod may be broken during insertion into the discharge port of the applicator. In addition, since the sealing rod is formed inside the top cap, it is difficult to accurately insert the sealing rod into the discharge port.

[Disclosure]

[Technical Problem]

50 **[0009]** In order to solve the above conventional problems, an object of the present invention is to provide a cosmetic container equipped with a top cap having improved sealing force, which includes: a container main body configured to accommodate contents; a discharge device formed inside the container main body and configured to discharge the contents; an applicator coupled to an upper portion of the discharge device and formed at one side thereof with a discharge port; a top cap coupled to an upper portion of the container main body, wherein the top cap has a structure in which a sealing member is provided therein and a sealing portion is formed at a center of the sealing member, so that the applicator is tightly coupled to the sealing portion of the sealing member when the top cap closes the container main body, thereby improving the sealing force of the applicator.

55 **[0010]** In addition, an object of the present invention is to provide a cosmetic container equipped with a top cap having improved sealing force, in which the applicator is formed of a flexible material and detachably coupled, so that a new applicator may be coupled and used after separating the previous applicator when the applicator is contaminated, and thus a clean applicator can be used.

[Technical Solution]

[0011] The present invention provides a cosmetic container equipped with a top cap having improved sealing force, which includes: a container main body configured to accommodate contents;

5 a discharge device configured to discharge the contents accommodated in the container main body;

an applicator formed adjacent to the discharge device and having a discharge port; and

a top cap configured to open and close the container main body, wherein

the top cap is provided therein with a sealing member, and the sealing member is formed with a sealing portion, so that the applicator is inserted into the sealing portion while coming into tight contact with the sealing portion.

10 **[0012]** In addition, the container main body may be provided at a side surface thereof with a press button configured to actuate the discharge device.

[0013] In addition, the applicator may be formed of a flexible material to be flexibly bent.

[0014] In addition, the applicator may be detachably coupled to an upper portion of the container main body.

15 **[0015]** In addition, the sealing portion of the sealing member is formed at an outside thereof with an expansion space, in which the sealing portion is opened outward by the expansion space when the top cap is coupled, thereby coming into tight contact with an outer peripheral surface of the applicator.

[0016] Both sides of an inlet of the sealing portion of the sealing member may be formed in a round shape.

[Advantageous Effects]

20 **[0017]** The cosmetic container equipped with a top cap having improved sealing force according to the present invention includes: a container main body configured to accommodate contents; a discharge device formed inside the container main body and configured to discharge the contents; an applicator coupled to an upper portion of the discharge device and formed at one side thereof with a discharge port; a top cap coupled to an upper portion of the container main body, wherein the top cap has a structure in which a sealing member is provided therein and a sealing portion is formed at a center of the sealing member, so that the applicator can be tightly coupled to the sealing portion of the sealing member when the top cap closes the container main body, and thus the sealing force of the applicator can be improved.

25 **[0018]** In addition, the present invention provides the cosmetic container equipped with a top cap having improved sealing force, in which the applicator is formed of a flexible material and detachable coupled, so that a new applicator may be coupled and used after separating the previous applicator when the applicator is contaminated, and thus a clean applicator can be used.

[Description of Drawings]

35 **[0019]**

FIG. 1 is a conventional container provided with a flexible applicator.

FIG. 2 is a perspective view of a cosmetic container according to the present invention.

FIG. 3 is an exploded perspective view of a cosmetic container according to the present invention.

40 FIG. 4 is a sectional view of a cosmetic container according to the present invention.

FIG. 5 is a sectional view showing a state of separating a top cap from a cosmetic container according to the present invention.

FIG. 6 is a sectional view showing a state in which a press button of a cosmetic container according to the present invention is pressed to discharge contents.

45 FIG. 7 is a sectional view showing a state of releasing pressurization of a press button of a cosmetic container according to the present invention.

FIG. 8 is a sectional view showing a state of combining a top cap of a cosmetic container according to the present invention.

50 FIG. 9 is a sectional view showing a state in which a sealing protrusion is formed inside a sealing member of a cosmetic container according to the present invention.

FIG. 10 is a sectional view showing a state of pressing both sides of an applicator of a cosmetic container according to the present invention.

FIG. 11 is a sectional view showing a state of removing an applicator from a cosmetic container according to the present invention.

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[Best Mode]

[Mode for Invention]

5 **[0020]** Technical objects implemented by the present invention will be apparent from the following preferred embodiments. Hereinafter, one embodiment of a cosmetic container equipped with a top cap having improved sealing force according to the present invention will be described in detail with reference to the accompanying drawings as follows.

10 **[0021]** FIG. 2 is a perspective view of the cosmetic container according to the present invention. FIG. 3 is an exploded perspective view of the cosmetic container according to the present invention. FIG. 4 is a sectional view of the cosmetic container according to the present invention. FIG. 5 is a sectional view showing a state of separating a top cap from the cosmetic container according to the present invention. FIG. 6 is a sectional view showing a state in which a press button of the cosmetic container according to the present invention is pressed to discharge contents. FIG. 7 is a sectional view showing a state of releasing pressurization of the press button of the cosmetic container according to the present invention. FIG. 8 is a sectional view showing a state of combining the top cap of the cosmetic container according to the present invention.

15 **[0022]** The cosmetic container equipped with a top cap having improved sealing force according to an embodiment of the present invention includes: a container main body 10 configured to accommodate contents; a discharge device 20 configured to discharge the contents accommodated in the container main body 10; an applicator 30 formed adjacent to the discharge device 20 and having a discharge port 32; and a top cap 40 configured to open and close the container main body 10, wherein the top cap 40 is provided therein with a sealing member 50, and the sealing member 52 is formed with a sealing portion 52, so that the applicator 30 is inserted into the sealing portion 52 while coming into tight contact with the sealing portion 52.

20 **[0023]** An opening 11 is formed at an upper portion of the container main body 10, and a thread is formed on an outer circumference of the opening 11.

25 **[0024]** As shown in FIG. 4, the container main body 10 includes an outer container 12 formed of a hard material, and an inner container formed inside the outer container 12 and formed of a soft material 14.

[0025] The outer container 12 is formed with an air inlet groove 122 through which external air may be introduced, and the contents are filled in the inner container 14. As shown in FIG. 7, the inner container 14 may be crushed corresponding to the consumption of contents as the contents filled in the inner container 14 is consumed.

30 **[0026]** As shown in FIG. 4, the discharge device 20 is installed in the opening 11 of the container main body 10 to discharge the contents accommodated in the container main body 10.

[0027] The discharge device 20 may be formed of an airless pump for pumping the contents accommodated in the container main body 10.

35 **[0028]** The discharge device 20 includes: a cylinder 21 inserted into the opening 11 of the container main body 10 and having a contents suction hole 21a; a suction valve plate 22 installed on a bottom surface of the cylinder 21 to open and close the contents suction hole 21a; a sealing member 23 coupled to an upper portion of the cylinder 21; a vertical moving member 24 moving up and down at an upper portion of the sealing member 23; an elastic member 25 configured to elastically support the vertical moving member 24; an operation discharge tube 26 coupled to the vertical moving member 24 to move up and down together with the vertical moving member 24 in the cylinder 21; an operation discharge ring 27 fitted to an outer side of the operation discharge tube 26 to come into close contact with an inner circumference of the cylinder 21; and a press member 28 coupled to an upper portion of the vertical moving member 24 and passing through a through-hole 61 of a discharge device frame 60.

40 **[0029]** The press member 28 presses the vertical moving member 24 while moving up and down by a press button 70. As shown in FIG. 3, the press member 28 is formed on an outer periphery thereof with a second diagonal pressing portion 282 to come into close contact with a first diagonal pressing portion 78 of the press button 70.

45 **[0030]** The discharge device frame 60 is formed on the upper portion of the container main body 10, and the discharge device 20 is installed inside the discharge device frame 60.

[0031] A first lower extension piece 62 extends downward at a lower portion of the discharge device frame 60, and a second lower extension piece 64 extends downward inside the first lower extension piece 62 at a predetermined interval.

50 **[0032]** A thread is formed on an inner circumference of the second lower extension piece 64 so as to be screw-coupled to the thread formed on the opening 11 of the container main body 10. In addition to the screw-coupling, the thread may be coupled in various ways such as undercut coupling or force fitting coupling.

[0033] A first upper extension piece 66 extends upward from an upper portion of the first lower extension piece 62 of the discharge device frame 60, and a second upper extension piece 68 extends upwards inside the first upper extension piece 66 at a predetermined interval.

55 **[0034]** A fastening protrusion 662 coupled to the top cap 40 is formed on an outer periphery of the first upper extension piece 66, and a first undercut 664 is formed on an inner periphery.

[0035] As shown in FIG. 4, a step 682 is formed inside the second upper extension piece 68 to press and fix the

cylinder 21 of the discharge device 20.

[0036] As shown in FIG. 3, an insertion ribs 67 are formed between the first upper extension piece 66 and the second upper extension piece 68.

[0037] The discharge device frame 60 is formed at a center of thereof with the through-hole 61 through which the press member 28 of the discharge device 20 passes.

[0038] An upper cap 80 is formed on an upper portion of the discharge device frame 60, in which the upper cap 80 is coupled to the discharge device frame 60 while surrounding the upper portion and the discharge device frame 60 and the discharge device 60, as shown in FIG. 4.

[0039] The upper cap 80 includes an inner cap 82 and an outer cap 84 surrounding an outer side of the inner cap 82.

[0040] A discharge hole 822 is formed in an upper center of the inner cap 82, and the content pumped by the discharge device 20 flows into the discharge passage 34 of the applicator 30 through the discharge hole 822.

[0041] The discharge hole 822 of the inner cap 82 is formed in an outer side thereof with a mounting groove 823 on which a lower end of the applicator 30 is mounted.

[0042] The inner cap 82 is formed in a side thereof with a second button insertion hole 824 through which the press button 70 passes.

[0043] The inner cap 82 is formed at a lower end thereof with a rib insertion groove 827 to which the insertion rib 67 of the discharge device frame 60 is inserted.

[0044] A lower side of the outer cap 84 is coupled to the upper portion of the discharge device frame 60, and an upper side thereof is coupled to the applicator 30.

[0045] The outer cap 84 is formed in an upper portion thereof with an applicator through-hole 842 through which the applicator 30 passes, and a fitting portion 846 is formed on an outer side of the applicator through-hole 842 so as to be fitted into a fitting groove 36 of the applicator 30.

[0046] The outer cap 84 is formed in a side thereof a first button insertion hole 844 through which the press button 70 passes.

[0047] Although the present invention shows that the outer cap 84 is undercut coupled to the upper portion of the discharge device frame 60, the outer cap 84 may be coupled in various ways such as screw-coupled, force fitting coupling or ultrasonic bonding, in addition to the undercut.

[0048] The upper cap 80 is further provided in a side thereof with the press button 70 configured to operate the discharge device 20.

[0049] The press button 70 presses the discharge device 20 while horizontally moving back and forth, and is coupled through the first button insertion hole 844 of the outer cap 84 and the first button insertion hole 824 of the inner cap 82.

[0050] The press button 70 is formed with a first diagonal pressing portion 78 to come into close contact with the second diagonal pressing portion 282 of the discharge device 20. In other words, as shown in FIG. 6, when a user presses the press button 70 in a lateral direction, the press button 70 moves to an inner side of the inner cap 82 and the outer cap 84, and thus the first diagonal pressing portion 78 of the press button 70 inwardly pushes the second diagonal pressing portion 282 of the discharge device 20. At this time, since the discharge device 20 is fixed horizontally and only moves vertically, the second diagonal pressing portion 282 moves while being pushed downward by the first diagonal pressing portion 78 so that the discharge pump 20 is pressed.

[0051] The applicator 30 is provided adjacent to the discharge device 20, and used to apply the contents discharged by the discharge device 20 onto the skin.

[0052] The applicator 30 is formed with a discharge port 32 configured to discharge the contents pumped by the discharge device 20 to the outside, in which the discharge port 32 is formed in one side surface of the applicator 30 as shown in FIG. 3.

[0053] As shown in FIG. 4, the discharge passage 34 is formed inside the applicator 30, in which the discharge passage 34 is connected to the discharge device 20, thereby serving to move the contents to the discharge port 32.

[0054] The applicator 30 is formed on a lower outer peripheral surface thereof with the fitting groove 36 to which the fitting portion 846 of the outer cap 84 is inserted.

[0055] The applicator 30 may be formed in a narrow rectangular parallelepipedon to spread the contents widely onto a skin as shown in FIG. 2.

[0056] The applicator 30 may formed of a flexible material to be flexibly bent, and particularly, may be formed at least one material of silicone, urethane rubber, natural rubber, elastomer, or nitrile-butadiene rubber (NBR), or a material of acrylonitrile butadiene styrene (ABS) or thermos-plastic elastomer (TPE).

[0057] FIG. 10 is a sectional view showing a state of pressing both sides of the applicator of the cosmetic container according to the present invention. FIG. 11 is a sectional view showing a state of removing the applicator from the cosmetic container according to the present invention.

[0058] As shown in FIGS. 10 and 11, the applicator 30 may be detachably coupled to the upper cap 80.

[0059] In other words, as shown in FIG. 10, when the user intends to replace the applicator 30, both sides of the applicator 30 are pushed and held using fingers. As shown in FIG. 11, after forcibly pulling out the applicator 30 to

separate the applicator 30 from the outer cap 84, the applicator 30 is forcibly inserted into the applicator through-hole 842 of the outer cap 84 while holding both sides of a new applicator 30. Thus, the fitting portion 846 of the outer cap 84 is fitted into the fitting groove 36 of the applicator 30, and a lower end of the applicator 30 is simultaneously mounted in the mounting groove 823 of the inner cap 82.

5 **[0060]** As shown in FIGS. 5 and 8, the top cap 40 is detachable to the upper portion of the container main body 10 to expose to the applicator 30 to the outside or conceal the applicator 30 from the outside.

[0061] A fastening groove 42 is formed on an inner periphery of the top cap 40 and coupled to the fastening protrusion 662 of the discharge device frame 60.

[0062] The sealing member 50 is formed inside the top cap 40 to seal the container main body 10.

10 **[0063]** The sealing portion 52 is formed at a lower center of the sealing member 50, in which the sealing portion 52 is formed as a groove corresponding to the applicator 30.

[0064] As shown in FIG. 8, both sides of an inlet of the sealing portion 52 of the sealing member 50 may be formed in a round shape so that the applicator 30 may be easily inserted.

[0065] An expansion space 54 is formed outside the sealing portion 52 of the sealing member 50.

15 **[0066]** The sealing member 50 is formed of a soft material, and particularly, may be formed of a polypropylene (polypropylene) or polyethylene (polyethylene) that has elasticity.

[0067] As shown in FIG. 8, when the top cap 40 is coupled to the upper portion of the container main body 10, the applicator 30 formed of a flexible material comes into tight contact with and is inserted into the sealing portion 52 of the sealing member 50. At this time, the sealing portion 52 of the sealing member 50 comes into tight contact with an outer peripheral surface of the applicator 30 while opening to the outside by the expansion space 54. Accordingly, a sealing force of the container main body 10 is more improved.

20 **[0068]** FIG. 9 is a sectional view showing a state in which the sealing protrusion is formed inside the sealing member of the cosmetic container according to the present invention.

[0069] A sealing protrusion 522 of the sealing member 50 may inwardly protrude from the sealing portion 52 of the sealing member 50. As shown in FIG. 9, the sealing protrusion 522 is inserted into the discharge port 32 of the applicator 30 when the top cap 40 is coupled to the upper portion of the container main body 10, so that the sealing force of the container main body 10 further increases.

[0070] A method of assembling the cosmetic container equipped with the top cap having improved sealing force configured as described above will be described as follows.

30 **[0071]** In order to assemble the cosmetic container equipped with the top cap having improved sealing force according to the present invention, as shown in FIGS. 3 and 4, the contents are filled in the container main body 10.

[0072] Next, the opening 11 of the container main body 10 is mounted therein with the discharge device 20 including the cylinder 21, the suction valve plate 22, the sealing member 23, the vertical moving member 24, the elastic member 25, and the operation discharge tube 26, the operation discharge ring 27, and the press member 28.

35 **[0073]** Next, the discharge device frame 60 is screw-coupled to the opening 11 of the container main body 10, in which the press member 28 of the discharge device 20 passes through the through-hole 61 of the discharge device frame 60.

[0074] Then, the upper cap 80 including the inner cap 82 and the outer cap 84 is coupled to the upper portion of the discharge device frame 60, so that the upper cap 80 is coupled to surround the upper portion of the discharge device frame 60 and the discharge device 20.

40 **[0075]** Next, the press button 70 is coupled to the first button insertion hole 844 of the outer cap 84 and the second button insertion hole 824 of the inner cap 82, so that the first diagonal pressing portion 78 of the press button 70 comes into tight contact with the second diagonal pressing portion 282 of the discharge device 20.

[0076] Next, the fitting portion 846 of the outer cap 84 is fitted to the fitting groove 36 of the applicator 30 while passing the lower portion of the applicator 30 through the applicator through-hole 842 of the outer cap 84, and simultaneously the lower end of the applicator 30 is mounted in the mounting groove 823 of the inner cap 82.

45 **[0077]** Finally, the top cap 40 is fastened to the upper portion of the discharge device frame 60, in which the sealing member 50 is coupled into the top cap 40.

[0078] Accordingly, the assembly of the cosmetic container equipped with a top cap having improved sealing force according to the present invention is finished.

50 **[0079]** Usage of the above assembled cosmetic container equipped with the top cap having improved sealing force will be described as follows.

[0080] In order to use the cosmetic container equipped with the top cap having improved sealing force according to the present invention, first, the top cap 40 is separate from the container main body 10 as shown in FIG. 5.

[0081] Then, as shown in FIG. 6, when the side surface of the press button 70 is pressed, the press button 70 moves to the inside of the upper cap 80, and simultaneously the first diagonal pressing portion 78 of the press button 70 pushes the second diagonal pressing portion 282 of the press member 28 to move the press member 28 downward.

55 **[0082]** When the press member 28 moves downward as described above, the vertical moving member 24 coupled to the lower portion of the press member 28 and the operation discharge tube 26 coupled to the lower portion of the vertical

moving member 24 also moves downward. At this time, since the operation discharge ring 27 fitted to the outer side of the operation discharge tube 26 comes into close contact with the inner surface of the cylinder 21, only the operation discharge tube 26 moves downward, so that a gap is generated between the operation discharge tube 26 and the operation discharge ring 27, thereby forming a passage through which the contents are discharged.

5 [0083] Then, when the vertical moving member 24 is pressed more, the operation discharge ring 27 touches the lower end of the vertical moving member 24, and moves downward together with the operation discharge tube 26, thereby reducing a volume inside the cylinder 21. Accordingly since a discharge pressure is generated in the cylinder 21, the suction valve plate 22 closes the contents suction hole 21a, and the contents accommodated in a temporary storage space in the cylinder 21 come out between the operation discharge tube 26 and the operation discharge ring 27, pass through the inside of the operation discharge tube 26, and be discharged to the outside via the discharge hole 822 of the inner cap 82, and the discharge passage 34 and the discharge port 32 of the applicator 30.

10 [0084] As shown in FIG. 7, when the pressure of the press button 70 is released, the vertical moving member 24 moves upward due to the elasticity of the elastic member 25 that elastically supports the vertical moving member 24, and the operation discharge tube 26 coupled to the lower portion of the vertical moving member 24 moves upwards. At this time, as an expansion protrusion wheel 262 formed at an outer side of a lower end of the operation discharge tube 26 pulls up the operation discharge ring 27, the gap between the operation discharge tube 26 and the operation discharge ring 27 is blocked, so that the operation discharge tube 26 and the operation discharge ring 27 move upward together, and thus the volume inside the cylinder 21 increases, thereby generating a vacuum pressure.

15 [0085] Then, the suction valve plate 22 opens the contents suction hole 21a formed at the bottom surface of the cylinder 21 by the vacuum pressure generated inside the cylinder 21, accordingly, the contents accommodated in the container 14 of the container main body 10 flow into the cylinder 21 through the contents suction hole 21a, so that the soft inner container 14 is crushed, and simultaneously air is introduced through the air inlet groove 122 formed in the outer container 12 of the container main body 10.

20 [0086] Then, after the contents discharged through the discharge port 32 of the applicator 30 are used, the top cap 40 is closed and stored or carried.

25 [0087] As shown in FIG. 8, when the top cap 40 is coupled to the upper portion of the container main body 10, the applicator 30 formed of a flexible material is inserted into the sealing portion 52 of the sealing member 50 while coming into tight contact with the sealing portion 52.

30 [0088] At this time, as the discharge passage 34 formed inside the applicator 30 is contracted, the applicator 30 is tightly inserted into the sealing portion 52 of the sealing member 42. Simultaneously, the sealing portion 52 extends to the outside by the expansion space 54, so that the sealing force is further improved.

[0089] In addition, as shown in FIG. 9, when the sealing protrusion 522 is formed in the sealing portion 52 of the sealing member 50, the sealing protrusion 522 is inserted into the discharge port 32 of the applicator 30.

35 [0090] Then, when the user intends to replace the applicator 30, as shown in FIG. 10, both sides of the applicator 30 are pushed and held using fingers. As shown in FIG. 11, after forcibly pulling out the applicator 30 to separate the applicator 30 from the outer cap 84, both sides of a new applicator 30 are pushed and held, and the applicator 30 is forcibly inserted into the applicator through-hole 842 of the outer cap 84. Thus, the fitting portion 846 of the outer cap 84 is fitted into the fitting groove 36 of the applicator 30, and a lower end of the applicator 30 is simultaneously mounted in the mounting groove 823 of the inner cap 82.

40 [0091] Herein, the description of the present invention is merely one embodiment for carrying out the cosmetic container equipped with the top cap having improved the sealing force, and the present invention is not limited to the embodiment. The exemplary embodiments have been proposed and set forth in the aforementioned description, however the present invention should not be construed as limited thereto, and it will be apparent to those having ordinary skill in the art in that many different substitutions, deformations and modifications are available within the scope without departing from the present invention.

[Description of Reference Numerals]

	10: container main body	12: outer container
	14: inner container	20: discharge device
50	30: applicator	32: discharge port
	34: discharge passage	40: top cap
	50: sealing member	52: sealing portion
	54: expansion space	60: discharge device frame
55	70: press button	78: first diagonal pressing portion
	80: upper cap	82: inner cap
	84: outer cap	282: second diagonal pressing portion

Claims

1. A cosmetic container equipped with a top cap having improved sealing force, the cosmetic container comprising:

5 a container main body configured to accommodate contents;
a discharge device configured to discharge the contents accommodated in the container main body;
an applicator formed adjacent to the discharge device and having a discharge port; and
the top cap configured to open and close the container main body, wherein
10 the top cap is provided therein with a sealing member, and the sealing member is formed with a sealing portion,
so that the applicator is inserted into the sealing portion while coming into tight contact with the sealing portion.

2. The cosmetic container of claim 1, wherein the container main body is provided at a side surface thereof with a
press button configured to actuate the discharge device.

15 3. The cosmetic container of claim 1, wherein the applicator is formed of a flexible material so that the applicator is
smoothly bent.

4. The cosmetic container of claim 1, wherein the applicator is detachably coupled to an upper portion of the container
main body.

20 5. The cosmetic container of claim 1, wherein an expansion space is formed at an outside of the sealing portion of the
sealing member, in which the sealing portion is opened outward by the expansion space when the top cap is coupled,
thereby coming into tight contact with an outer peripheral surface of the applicator.

25 6. The cosmetic container of claim 1, wherein both side surfaces of an inlet of the sealing portion of the sealing member
are rounded.

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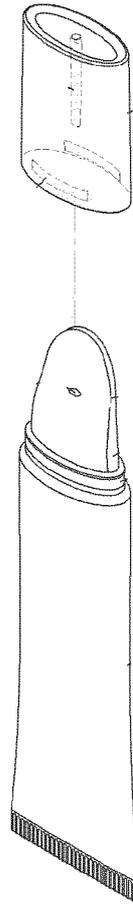
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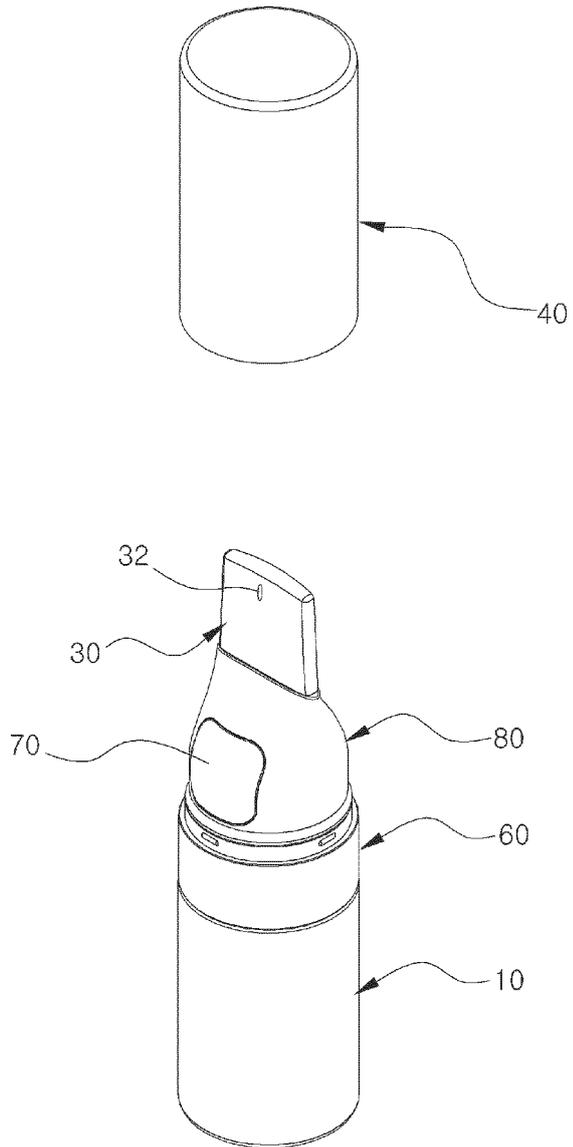
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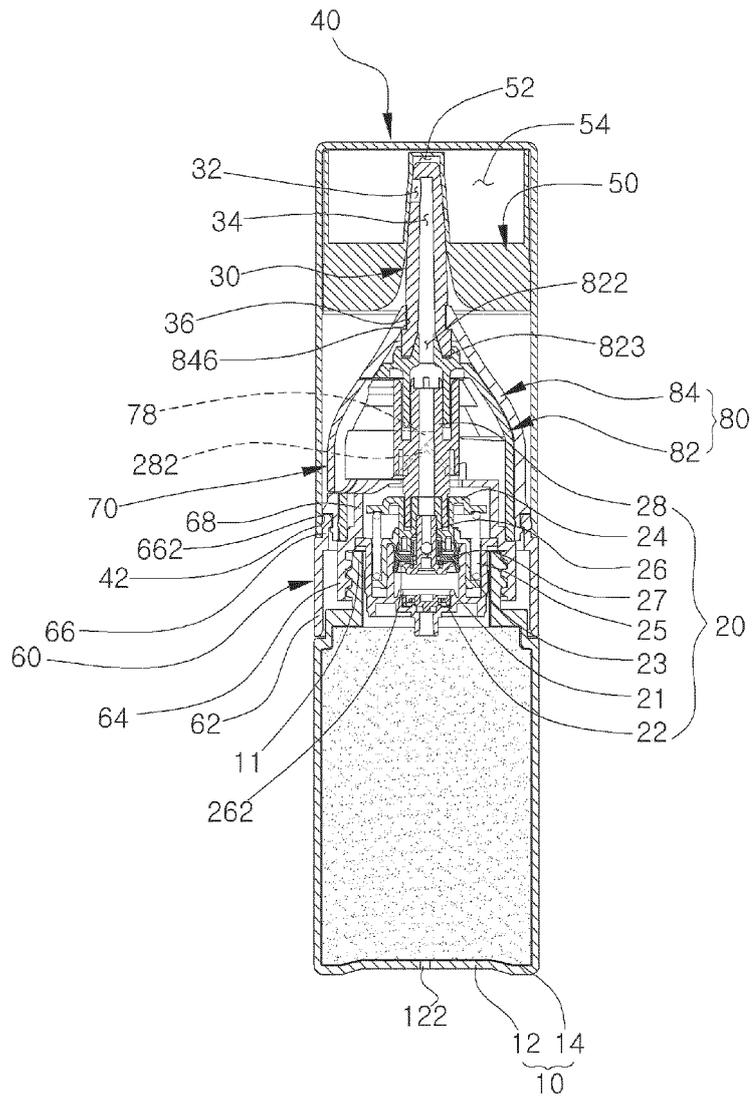
[Fig. 1]



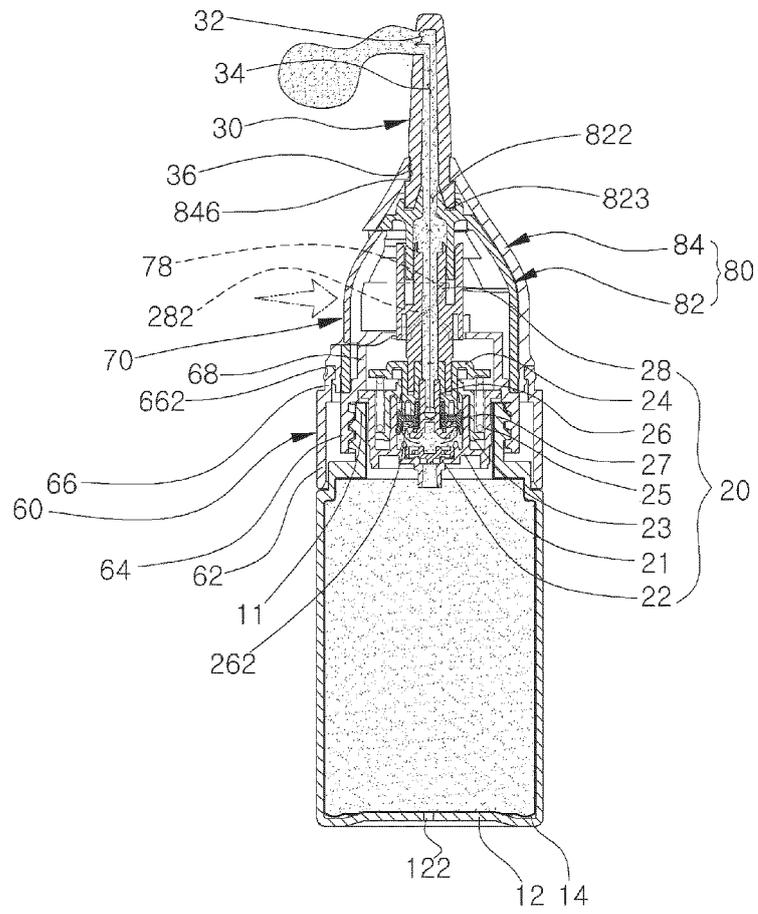
[Fig. 2]



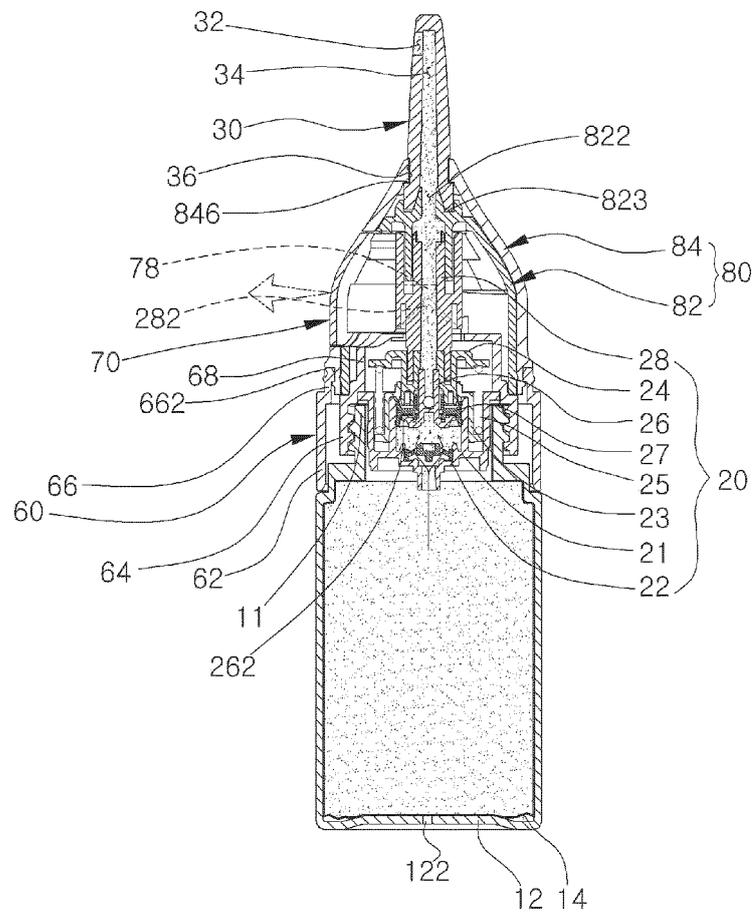
[Fig. 4]



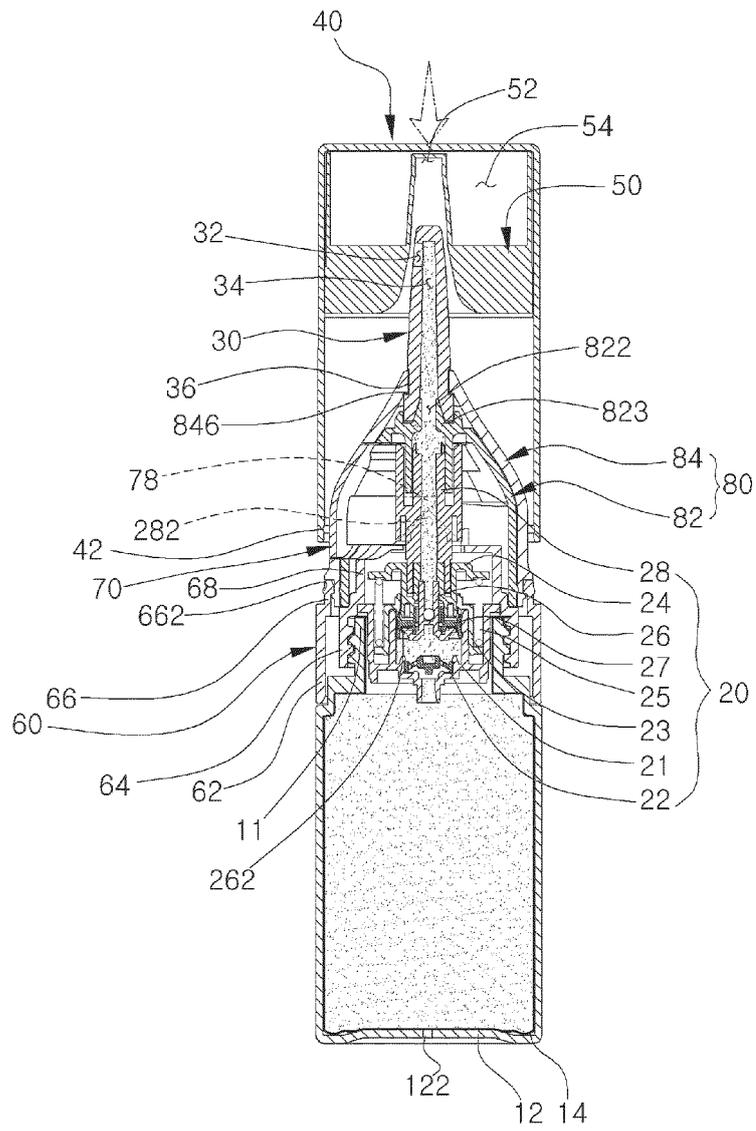
[Fig. 6]



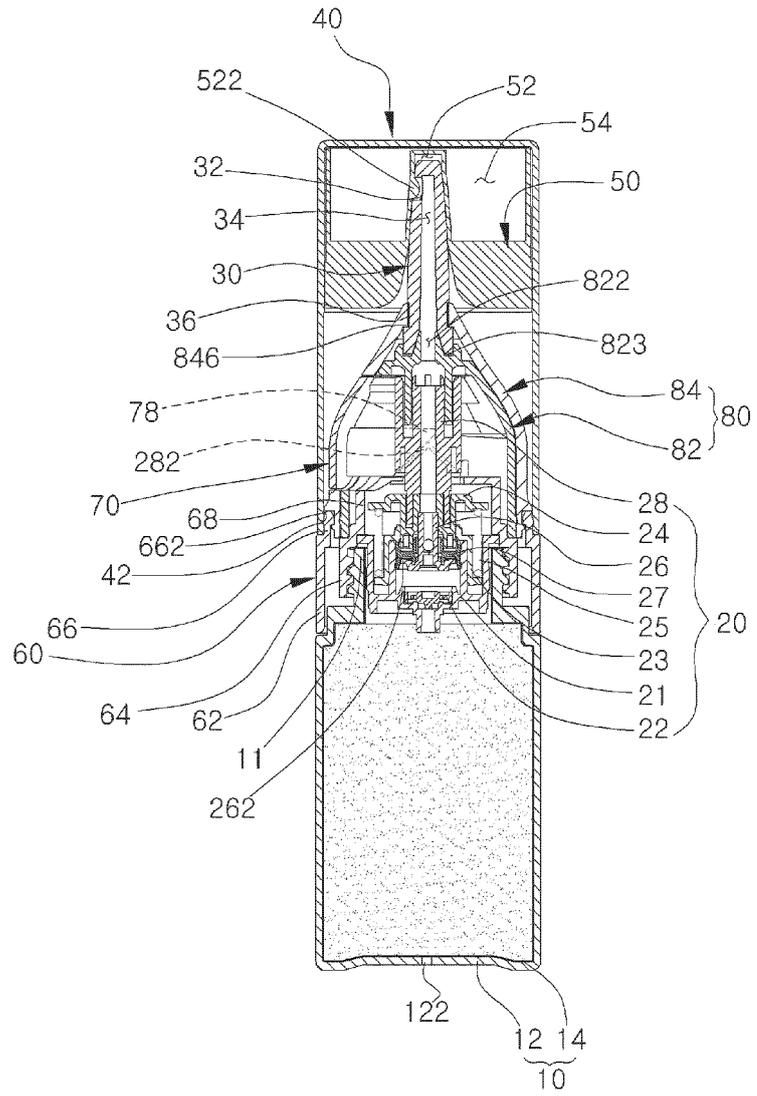
[Fig. 7]



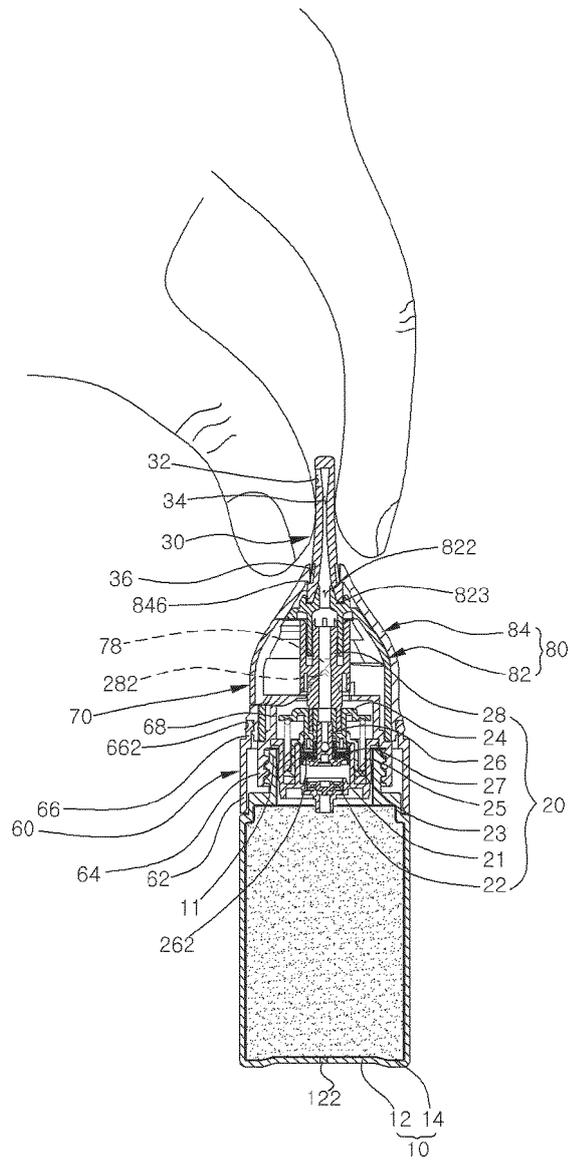
[Fig. 8]



[Fig. 9]



[Fig. 10]



INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2018/006685

5 A. CLASSIFICATION OF SUBJECT MATTER
A45D 34/04(2006.01)i, A45D 34/00(2006.01)i, A45D 40/00(2006.01)i
According to International Patent Classification (IPC) or to both national classification and IPC

10 B. FIELDS SEARCHED
Minimum documentation searched (classification system followed by classification symbols)
A45D 34/04; A45D 40/00; A45D 40/20; A45D 40/26; B43L 19/00; B65D 47/20; B65D 47/34; B65D 83/76; A45D 34/00

15 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean Utility models and applications for Utility models: IPC as above
Japanese Utility models and applications for Utility models: IPC as above

15 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
eKOMPASS (KIPO internal) & Key words: cosmetic product, sealing, overcap, pressurization, cap

20 C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 08-275821 A (MITSUBISHI PENCIL CO., LTD.) 22 October 1996 See paragraphs [0020]-[0025] and figures 1-2.	1-6
Y	JP 10-179251 A (TOKIWA:KK. et al.) 07 July 1998 See paragraphs [0039], [0051] and figures 1-2.	1-6
Y	KR 10-2015-0019242 A (YONWOO CO., LTD.) 25 February 2015 See paragraphs [0009], [0043] and figure 1.	2,4
A	KR 10-2016-0053700 A (YONWOO CO., LTD.) 13 May 2016 See the entire document.	1-6
A	KR 10-0777364 B1 (SON, Byung Moon) 19 November 2007 See the entire document.	1-6

40 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

50 Date of the actual completion of the international search
10 OCTOBER 2018 (10.10.2018)

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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/KR2018/006685

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