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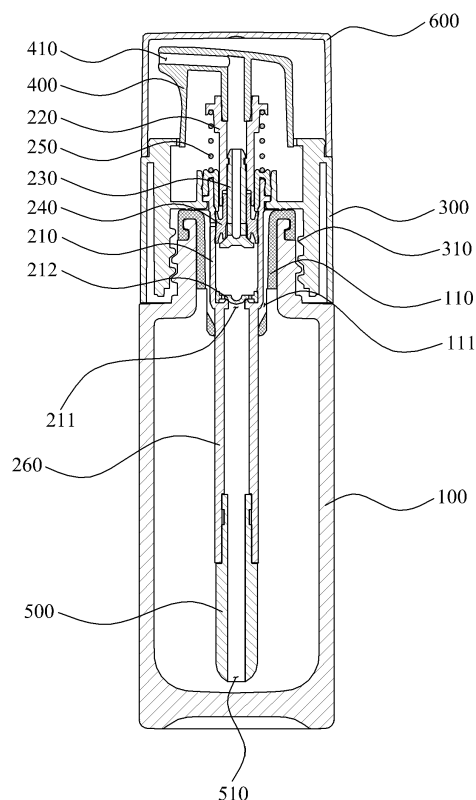
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(54) **COSMETIC CONTAINER WITH DOUBLE DISCHARGE MEANS**

(57) The present invention relates to a cosmetic container with a double discharge means, particularly a cosmetic container with a double discharge means in which a pumping member provided with a contents suction tube is configured to be detachable from a container body, wherein an applicator with a contents-moving hole is formed therein at the lower end of the contents suction tube so as to be connected with the contents suction tube, such that the contents can be discharged through a pumping operation of the pumping member as needed or withdrawn through the applicator by detaching a pump support body.

Fig. 3



Description

BACKGROUND OF THE INVENTION

[0001] The present invention relates to a cosmetic container with a double discharge means, particularly a cosmetic container with a double discharge means in which a pumping member provided with a contents suction tube is configured to be detachable from a container body, wherein an applicator with a contents-moving hole is formed therein at the lower end of the contents suction tube so as to be connected with the contents suction tube, such that the contents can be discharged through a pumping operation of the pumping member as needed or withdrawn through the applicator by detaching a pump support body.

[0002] Generally, a cosmetic container having an applicator stores liquid-type cosmetic contents at the interior therein, configured to apply the contents onto the skin through the applicator such as a ball or a puff. The container equipped with the applicator as in the above is disclosed in the registered utility model No. 20-0378581 (hereafter called as the patent document 1).

[0003] The patent document 1, comprising: a container body (1) having the upper portion open, provided with a male screw thread (1a) at the upper end of the outer circumferential surface thereof, and receiving a lip gloss (10) at the interior thereof; a nozzle tip (2) coupled to the tip of the container body (1); and a cap (3) configured with a female screw thread (3a) at the lower portion of the inner circumferential surface such that the male screw thread (1a) of the container body (1) can be coupled thereto,

[0004] characterized to be configured with: a hole (21) penetrated through the center such that a lip gloss (10) inside the container body (1) can be discharged to the outside; a projection (22) not to fall out after being installed to the container body (1) at the lower end of the circumferential surface, and a close adherence piece (23) closed contacted to the upper end of the container body (1) at the circumference of the middle of the circumferential surface, such that the whole body is made of silicon material.

[0005] However, the patent document 1 is configured in that the contents can be applied by using a nozzle tip (2) coupled to the top end of the container body (1), not configured with any device for applying contents depending on the areas, wide or small, to be applied. Therefore, there arise a problem that a use should carry different containers equipped with a suitable applicator depending on the area, and thus needs to separately carry each container.

[0006] To solve the problems in the above, Korean registered patent No. 10-1560642 (hereafter, called as the patent document 2) discloses 'Vessel with a dual applicator' capable of using two different contents stored in the container body.

[0007] The patent document 2 comprises: a container

body storing contents; a support body provided with a coupling part formed with a screw thread which is screw-coupled to the container body at the inner side thereof to be detachably coupled to the upper portion of the container body, with a securing part to support an applicator for applying contents onto the skin, with a coupling tube, extending downwards, where at the center upper end of the securing part, a contents-moving tube is coupled and a discharge hole connected with the securing part of the support body such that the contents flowing through the contents-moving tube can be moved to a first applicator; a first applicator secured on the securing part of the support part and composed of any of a ball, a silicon, or a puff; a contents-moving tube coupled to the coupling tube of the support body and functioning as a passage which moves the contents to the first applicator, and equipped with a second applicator composed of an applying tip formed with a contents inflow hole at the lower end thereof; and an over cap encasing the first applicator at the upper portion of the support body and detachably coupled thereto,

[0008] characterized in that the contents flowing into the contents inflow hole formed at the applying time, after the over cap is separated from the support body, pass through the contents-moving tube and move to the upper portion thereof and are absorbed to the first applicator for the contents to be applied on a wide area of the skin, and are absorbed to the second applicator for the contents to be applied on a small area.

[0009] However, the patent document 2 is configured in that the content body is pressed according to the contents use; therefore, when the container body is pressed on a state of most contents being used up, it is not easy to move contents to the first applicator due to the interference of the contents-moving tube, thereby causing user inconvenience.

SUMMARY OF THE INVENTION

[0010] The present invention is devised to solve the said problems above, and its goal is to provide a cosmetic container with a double discharge means in which a pumping member provided with a contents suction tube is configured to be detachable from a container body, wherein an applicator with a contents-moving hole is formed therein at the lower end of the contents suction tube so as to be connected with the contents suction tube, such that the contents can be discharged through a pumping operation of the pumping member as needed or withdrawn through the applicator by detaching a pump support body.

[0011] To solve the above problems, a cosmetic container with a double discharge means according to the present invention includes: a container body storing contents; a pumping member coupled to the upper portion of the container body and discharging the contents stored in the container body to the outside through a pumping operation, and provided with a contents suction tube suc-

tioning the contents stored in the container body at the lower portion thereof; a pump support body coupled to the pumping member and supporting the pumping member, and provided with a coupling part which is formed with a screw thread for screw-coupling with the container body at the inner side thereof for being able to be attached to and detached from the upper portion of the container body; a button member coupled to the upper portion of the pumping member and delivering pressure generated according to user's pressurizing to the pumping member and inducing the pumping operation, and provided with a contents discharge hole such that the contents can be discharged to the outside through the pumping operation of the pumping member; an applicator coupled to the lower portion of the contents suction tube, formed with a contents-moving hole at the lower end thereof such that the contents can move to the contents suction tube when the pumping member performs a pumping operation, and applying the contents covered on the outer circumferential surface thereof onto user's skin when the contents are discharged from the container body; and an over cap encasing the button member at the upper portion of the pump support body and detachably coupled the button member,

[0012] characterized to be configured in that the contents are moved through the contents-moving hole formed at the applicator after the over cap is separated from the pump support body, when the button member is pressurized, passed through the contents suction tube and discharged to the outside through the contents discharge hole of the button member, and in that the contents can be discharged through the applicator and applied onto the skin when the pump support body is separated from the container body.

[0013] Furthermore, it is characterized to be configured in a way that at the upper portion of the container body is coupled a wiper closely contacted to the outer circumferential surface of the contents suction tube and retrieves the contents covered on the outer circumferential surface of the contents suction tube to the container body, wherein at the side surface of the wiper are formed a plurality of holes which retrieve the contents covered on the outer circumferential surface of the contents suction tube and at the same time, function as an air moving passage such that it is possible to move the contents covered on the outer circumferential surface of the contents suction tube and simultaneously to withdraw the contents suction tube.

[0014] As shown in the above, the present invention is configured in a way that a pumping member detachably provided with a contents suction tube from the container body, and equipped with an applicator which is formed with contents-moving hole so as to be connected with the contents suction tube at the lower end of the contents suction tube, such that it is possible to discharge contents through the pumping operation according to user's need and to withdraw the contents through the applicator by separating the pump support body.

BRIEF DESCRIPTION OF THE DRAWINGS

[0015]

- 5 FIG. 1 is an exploded perspective view illustrating a configuration of a cosmetic container with a double discharge means according to an exemplary embodiment of the present invention;
- 10 FIG. 2 is an assembled perspective view illustrating a configuration of a cosmetic container with a double discharge means according to an exemplary embodiment of the present invention;
- 15 FIG. 3 is an assembled cross-sectional view illustrating a cosmetic container with a double discharge means according to an exemplary embodiment of the present invention; and
- 20 FIG. 4 through 6 are views illustrating an operational state of a cosmetic container with a double discharge means according to an exemplary embodiment of the present invention.

DETAILED DESCRIPTION OF PREFERRED EMBODIMENTS

- 25 **[0016]** Hereinafter, exemplary embodiments of the present invention will be described in detail with reference to the accompanying drawings. The same reference numerals provided in the drawings indicate the same members.

- 30 **[0017]** FIG. 1 is an exploded perspective view illustrating a configuration of a cosmetic container with a double discharge means according to an exemplary embodiment of the present invention. FIG. 2 is an assembled perspective view illustrating a configuration of a cosmetic container with a double discharge means according to an exemplary embodiment of the present invention. FIG. 3 is an assembled cross-sectional view illustrating a cosmetic container with a double discharge means according to an exemplary embodiment of the present invention

- 35 **[0018]** Referring to FIGS. 1 to 3, a cosmetic container with a double discharge means according to an exemplary embodiment of the present invention may include a container body 100, a pumping member 200, a pump support body 300, a button member 400, an applicator 500, and an over cap 600.

- 40 **[0019]** The tube body 100, storing liquid-type contents such as foundation or cream, is coupled with a wiper 110 closely contacted to the outer circumferential surface of the contents suction tube 260, to be described later, at the upper portion thereof and retrieving the contents covered on a contents suction tube 260 to the container body 100 when the contents suction tube 260 is withdrawn from the container body 100, wherein a hollow is formed at the wiper 110 such that the contents suction tube 260 can be inserted and withdrawn.

- 45 **[0020]** A plurality of holes 111 are formed at the side surface of the wiper 110 such that the contents covered on the outer circumferential surface of the contents suc-

tion tube 260 to the container body 100, wherein the holes 111 functions as an air moving passage to make the withdrawal of the contents suction tube 260 easy.

[0021] The pumping member 200, coupled to the upper portion of the container body 100 and discharging the contents stored in the container body 100 to the outside, comprises: a pump housing 210 formed with a contents inflow hole 211 at the lower end thereof and provided with a check valve 212 which opens/closes the contents inflow hole 211; a stem, whose one side is coupled to a button member 400, to be described later and whose other side is disposed at the inner side of the pump housing 210, moving with the up and down movement of the button member 400; a piston rod 230 coupled to the lower portion of the stem 220; a seal cap 240 coupled as encasing the outer circumferential surface of the piston rod 230 at the lower portion of the piston rod 230 and moving along the inner surface of the pump housing 210; and a spring 250 coupled as encasing the circumference of the stem 220 and providing an elastic force to the upward direction for the button member 400 to pump repeatedly.

[0022] Meanwhile, in the present invention, at the lower portion of the pumping member 200, that is, at the lower end of the pump housing 210 is provided a contents suction tube 260 suctioning the contents stored in the container body 100, wherein the contents suction tube 260 functions as a passage where the contents stored in the container body 100 can flow into the pump housing 210 when the pumping member 200 is pumping.

[0023] The contents suction tube 260 can be integrally formed at the lower end of the pump housing 210 or can be manufactured separately from the pump housing 210 and coupled to the pump housing 210.

[0024] The pump support body 300 is coupled to the pumping member 200 and supporting the pumping member 200. In the present invention, the pump support body 300 is characterized to be provided with a coupling part 310 having a screw thread screw-coupled to the container body 100 at the inner side thereof such that the pump support body 300 can be attached/detached to the upper portion of the container body 100.

[0025] The pump support body 300 can be released from the screw-coupling from the container body 100 and can be separated along with the pumping member 200. Due to this, it is possible to apply the contents stored in the container body 100 through an applicator 500 coupled to the lower portion of the contents suction tube 260 according to the withdrawal of the contents suction tube 260 which consists of the lower portion of the pumping member 200.

[0026] The button member 400, coupled to the upper portion of the pumping member 200, delivering the pressure according to user's pressurization to the pumping member 200 and inducing the pumping operation of the pumping member 200, is formed with a contents discharge hole 410 at one side thereof such that the contents-moving to the upper portion by the pumping operation of the pumping member 200 can be discharged to

the outside.

[0027] The applicator 500 is coupled to the lower portion of the contents suction tube 260 and withdraws the contents stored in the container body 100 for being applied onto user's skin. It is preferable to place the applicator, after the pump support body 300 is separated from the container body 100, in a state of the container body 100 being immersed into the contents stored in the container body 100 such that the contents covered on the outer circumferential surface thereof can be applied to the skin.

[0028] Meanwhile, the applicator 500, when the pumping member 200 performs pumping operation, is formed with a contents-moving hole 510 at the lower end thereof such that the contents stored in the container body 100 can be moved to a contents discharge hole 410 through the contents suction tube 260.

[0029] The over cap 600 is detachably coupled as encasing the button member 400 at the upper portion of the pump support body 300. The over cap 600 prevents the malfunction of the button member 400 and simultaneously blocks foreign matter from entering through the contents discharge hole 410. When the over cap 600 is separated from the pump support body 300, it is possible to discharge the contents through the contents discharge hole 410 by manipulating the button member 400.

[0030] Hereinafter, referring FIG. 4 and 5, an operational state of a cosmetic container with a double discharge means according to an exemplary embodiment of the present invention will be described.

[0031] Referring to FIG. 4, first, if the button member 400 is pressurized after separating the over cap 600 from the pump support body 300 to discharge contents through the pumping member 200 for use, the contents stored in the container body 100 will be suctioned to the contents suction tube 260 through the contents-moving hole 510 and will be moved to the upper portion thereof. After the contents-moving to the upper portion through the contents suction tube 260 flow into the pump housing 210, the contents will be discharged through the contents discharge hole 410 after passing through the piston rod 230 and the stem 220, thereby being ready for a user to apply onto the skin.

[0032] Next, to apply contents through the applicator 500, the screw-coupling of the pump support body 300 and the container body 100 are released from screw-coupling to make the pump support body 300 separated from the container body 100.

[0033] If the pump support body 300 is separated from the container body 100, the pumping member 200 coupled to the pump support body 300 will be separated. Due to this, the contents suction tube 260 constituting the pumping member 200 will be withdrawn from the container body 100, such that it is possible to apply the contents covered on the outer circumferential surface of the applicator 500, which is coupled to the lower end of the contents suction tube 260, onto the skin.

[0034] That is, the present invention is configured to

select either the pumping member 200 or the applicator 500 as needed, thus providing user convenience.

[0035] As described above, optimal embodiments have been disclosed in the drawings and the specification. Although specific terms have been used herein, these are only intended to describe the present invention and are not intended to limit the meanings of the terms or to restrict the scope of the present invention as disclosed in the accompanying claims. Therefore, those skilled in the art will appreciate that various modifications and other equivalent embodiments are possible from the above embodiments. Therefore, the technical protective scope of the present invention should be defined by the technical of idea of accompanied claims.

Claims

1. A cosmetic container with a double discharge means, comprising:

a container body storing contents;

a pumping member coupled to the upper portion of the container body and discharging the contents stored in the container body to the outside through a pumping operation, and provided with a contents suction tube suctioning the contents stored in the container body at the lower portion thereof;

a pump support body coupled to the pumping member and supporting the pumping member, and provided with a coupling part which is formed with a screw thread for screw-coupling with the container body at the inner side thereof for being able to be attached to and detached from the upper portion of the container body;

a button member coupled to the upper portion of the pumping member and delivering pressure generated according to user's pressurizing to the pumping member and inducing the pumping operation, and provided with a contents discharge hole such that the contents can be discharged to the outside through the pumping operation of the pumping member;

an applicator coupled to the lower portion of the contents suction tube, formed with a contents-moving hole at the lower end thereof such that the contents can move to the contents suction tube when the pumping member performs a pumping operation, and applying the contents covered on the outer circumferential surface thereof onto user's skin when the contents are discharged from the container body; and

an over cap encasing the button member at the upper portion of the pump support body and detachably coupled the button member, wherein the contents are moved through the contents-moving hole formed at the applicator

after the over cap is separated from the pump support body, when the button member is pressurized, passed through the contents suction tube and discharged to the outside through the contents discharge hole of the button member, and wherein the contents can be discharged through the applicator and applied onto the skin when the pump support body is separated from the container body.

2. The cosmetic container with a double discharge means of claim 1, wherein at the upper portion of the container body is coupled a wiper closely contacted to the outer circumferential surface of the contents suction tube and retrieves the contents covered on the outer circumferential surface of the contents suction tube to the container body, wherein at the side surface of the wiper are formed a plurality of holes which retrieve the contents covered on the outer circumferential surface of the contents suction tube and at the same time, function as an air moving passage such that it is possible to move the contents covered on the outer circumferential surface of the content suction tube and simultaneously to withdraw the contents suction tube.

Fig. 1

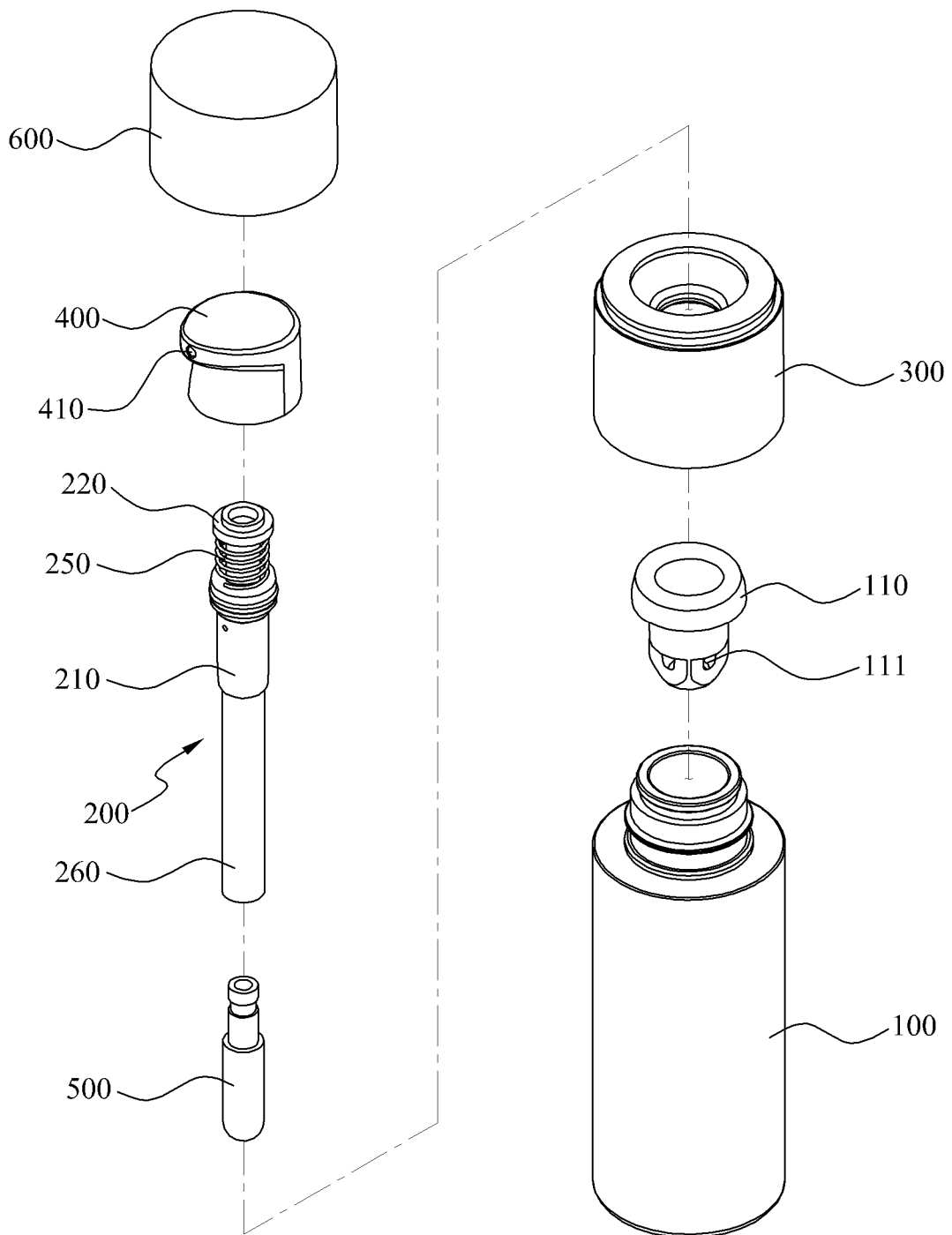


Fig. 2

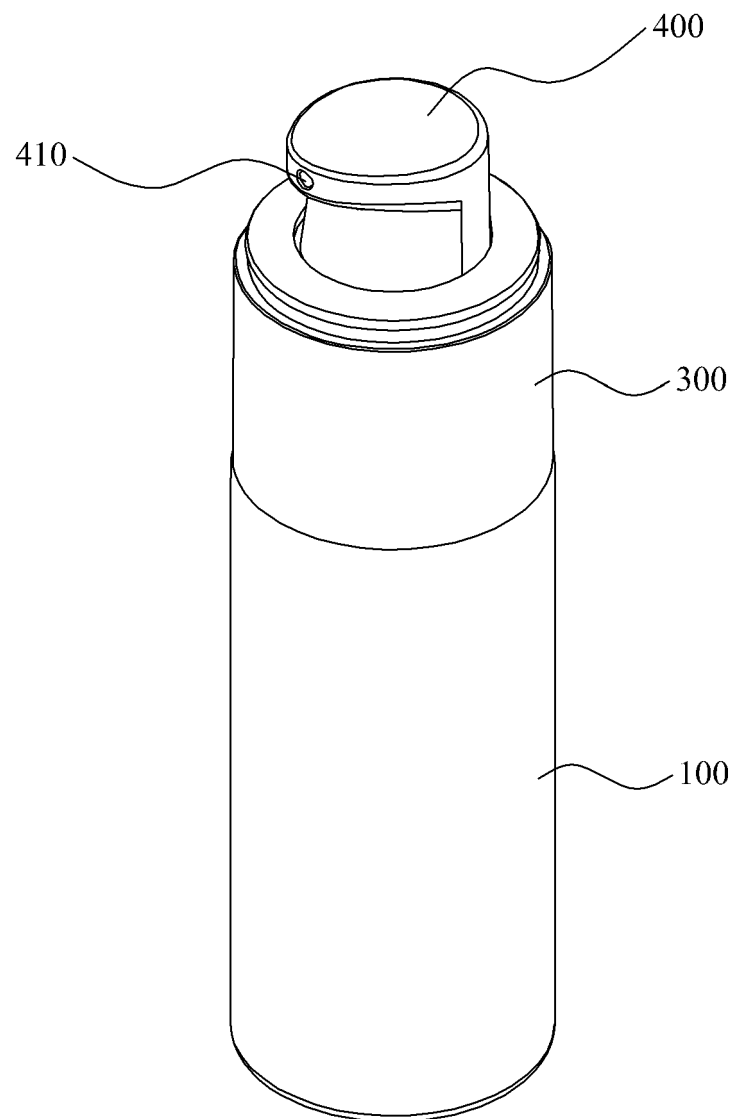


Fig. 3

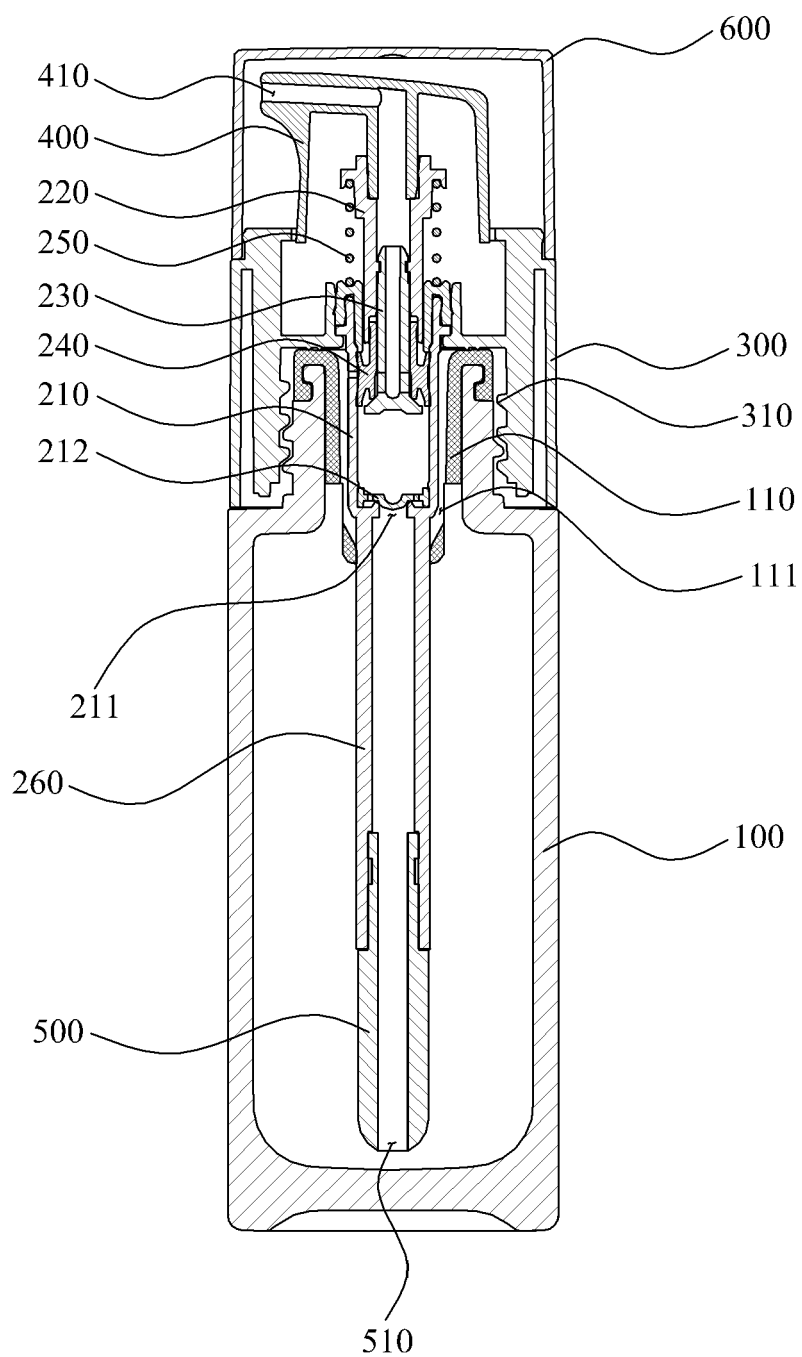


Fig. 4

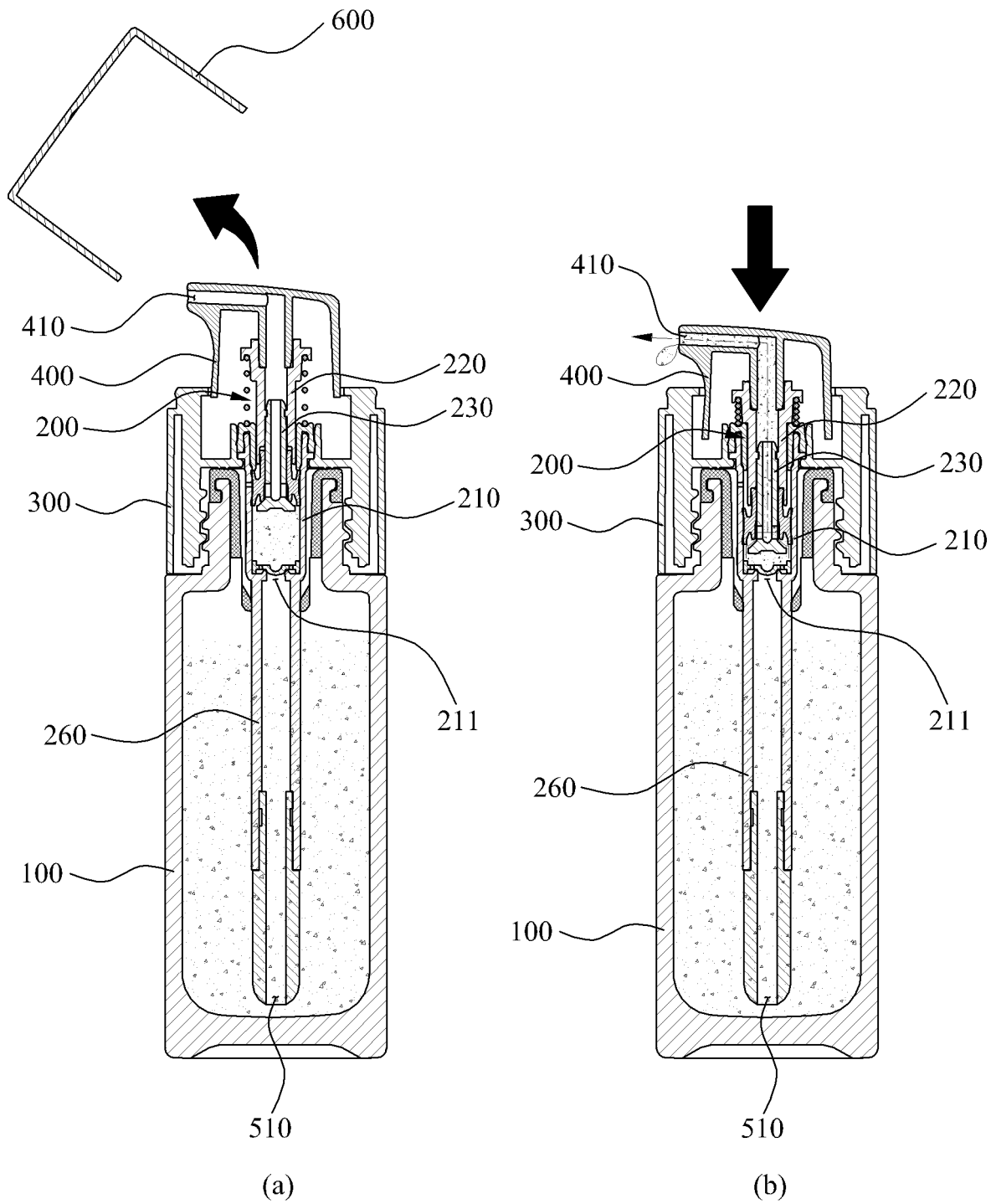


Fig. 5

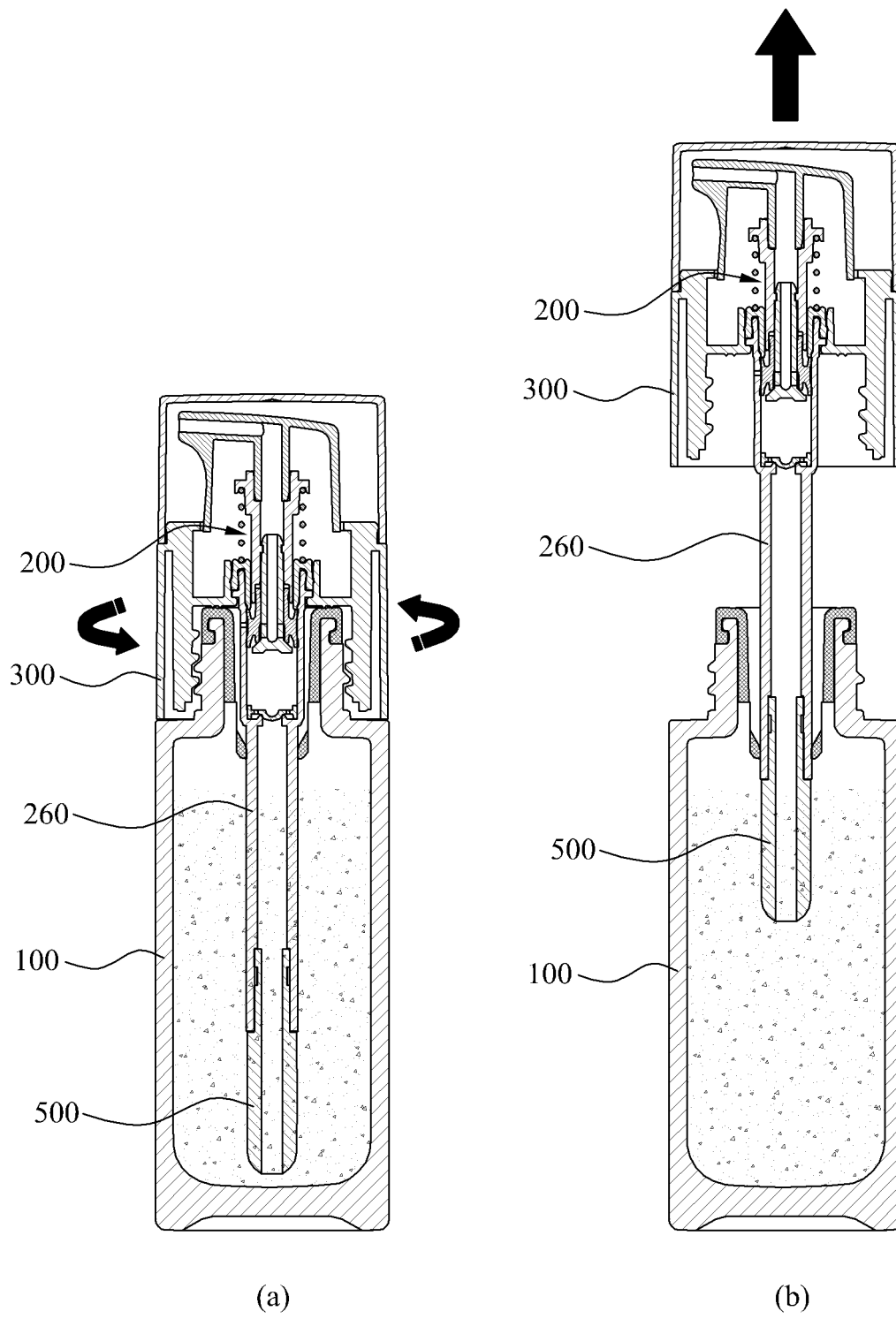
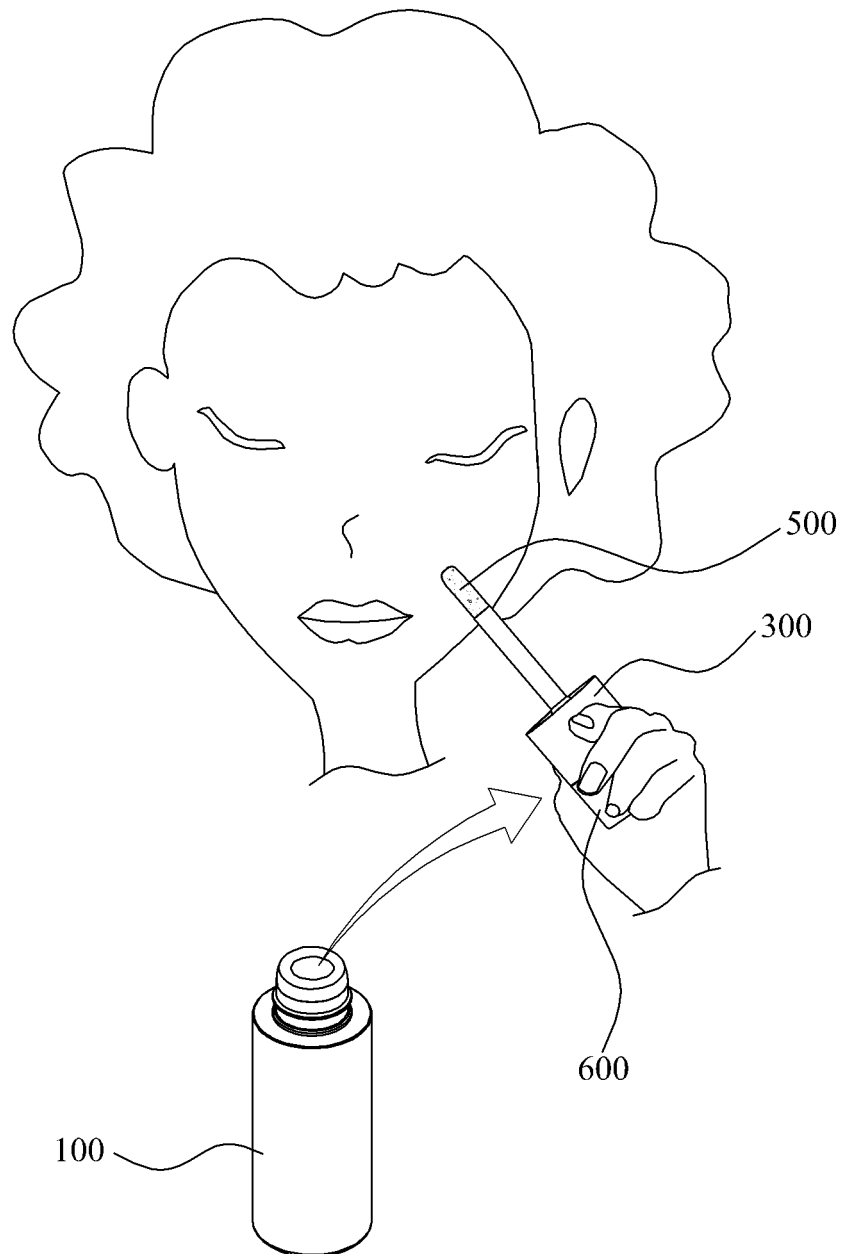


Fig. 6



(c)

REFERENCES CITED IN THE DESCRIPTION

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Patent documents cited in the description

- WO 200378581 A [0002]
- KR 101560642 [0006]