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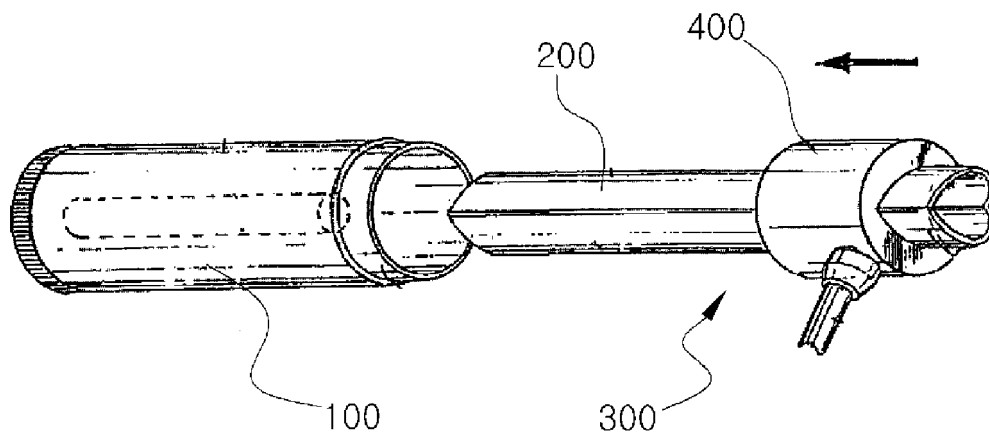
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(54) **MULTI-FILLING CONTAINER FOR STICK-TYPE CONTENTS AND METHOD OF FILLING THE SAME**

(57) The present invention relates to a multi-filling container for stick-type contents and a method of filling the same, and more particularly, to a multi-filling container for stick-type contents, in which the multi-filling container is prepared by mounting a multi-filling cover having a three-dimensional shape on an inlet part of a stick-type content case, a movable partition wall is formed at a center of the multi-filling cover, and the movable partition wall

is moved inward and outward of the stick-type content case, so that when different types of contents are filled into a lower portion of the stick-type content case, the movable partition wall is moved inward and outward of the stick-type content case to sequentially fill first contents and second contents, and the multi-filling cover is removed from the stick-type content case at a time when the first and second contents are solidified.

Fig. 1



Description

BACKGROUND OF THE INVENTION

1. Field of the Invention

[0001] The present invention relates to a multi-filling container for stick-type contents and a method of filling the same, and more particularly, to a multi-filling container for stick-type contents, in which the multi-filling container is prepared by mounting a multi-filling cover having a three-dimensional shape on an inlet part of a stick-type content case, a movable partition wall is formed at a center of the multi-filling cover, and the movable partition wall is moved inward and outward of the stick-type content case, so that when different types of contents are filled into a lower portion of the stick-type content case, the movable partition wall is moved inward and outward of the stick-type content case to sequentially fill first contents and second contents, and the multi-filling cover is removed from the stick-type content case at a time when the first and second contents are solidified. Accordingly, it is easy to multi-fill the different types of contents in the stick-type content case, and surfaces of the solidified first and second contents are variously expressed according to the three-dimensional shape of the multi-filling cover so as to improve aesthetic impression and usability.

[0002] In addition, the present invention relates to a method of filling a multi-filling container for stick-type contents, in which the method includes: a preparation step of preparing the multi-filling container by mounting a multi-filling cover on an inlet part of a stick-type content case, and overturning the multi-filling container; a first filling step of filling first contents into a lower portion of the multi-filling container, and cooling the first contents; a partition wall removing step of pulling out a movable partition wall of the multi-filling cover from the stick-type content case; a second filling step of filling second contents into the lower portion of the multi-filling container, and cooling the second contents; and a cover removing step of removing the multi-filling cover when the first and second contents are solidified, so that the first and second contents are quickly and easily filled in the multi-filling container, and thus productivity of multi-stick-type contents is improved.

2. Description of the Related Art

[0003] In general, women use various cosmetic products to make their appearance more beautiful, and such cosmetic products are stored in cosmetic containers having a certain shape for use. In particular, the cosmetic container is manufactured in various forms such as a stick-type cosmetic container, a tube-type cosmetic container, or a compact-type cosmetic container so as to be provided to consumers.

[0004] Among the cosmetic containers, the stick-type cosmetic container is filled with cosmetic contents such as an ultraviolet screening agent, a lipstick, a foundation

and the like containing wax and oil as a main component, and the cosmetic contents are solidified in a stick shape.

[0005] A filling scheme for the above-described stick-type cosmetic product is divided into a front filling scheme and a back filling scheme.

[0006] In the front filling scheme, a mold is separately prepared to fill and cool a liquid-type cosmetic product in the mold, so that it is difficult to improve the productivity of stick-type cosmetic products, the surface gloss of the contents is not excellent, which makes the appearance of the contents not beautiful, and a defective molding rate is high.

[0007] Meanwhile, in the back filling scheme, the stick-type cosmetic container is connected to a filling machine, and the liquid-type cosmetic product is filled through a rear portion of the stick-type cosmetic container, cooled, and packed, so that the productivity is high, the number of processes is reduced, moisture retention is excellent so as to allow the consumers to be provided with high quality products, and mass production is possible.

[0008] In recent years, as shapes and functions of the stick-type cosmetic products are diversified in order to satisfy the needs of the consumers, a multi-filling scheme in which two types of stick-type cosmetic products are filled together in the stick-type cosmetic container is being newly introduced, and accordingly, research and development of a container for filling the stick-type cosmetic container and a filling method are being continuously conducted.

[0009] Conventional apparatus and method for filling a stick-type cosmetic product are disclosed in Korean Patent Registration No. 10-0810798. The related art, as shown in FIG. 1, includes a filling nozzle (300) including a mold shaft (200) insertable into a case (100), and an outer barrier (400) forming a passage for receiving a first composition, wherein the mold shaft (200) is inserted into the case (100), the first composition is dispensed into the case (100) that is disposed around the mold shaft (200), the mold shaft (200) is removed from the case (100) to form a space, and a second composition is filled into the space.

[0010] However, the related art adopts the front filling scheme in which the first and second compositions are filled through an inlet of the case (100), but not the back filling scheme in which the first and second compositions are filled through a lower portion of the case (100), so that a process for cutting surfaces of the first and second compositions exposed to the inlet of the case (100), and accordingly, a shape of the surface of the first and second compositions may not be smoothly formed as a dome, and the esthetic impression is deteriorated.

[0011] In addition, the related art includes inserting the mold shaft (200) into the case (100), filling the first composition, removing the mold shaft (200) from the case (100), and filling the second composition, so that the productivity is deteriorated due to the complicated filling method, and defective products may occur since a scratch may be formed on the composition filled in the

case (100) when the mold shaft (200) is shaken during transfer.

SUMMARY OF THE INVENTION

[0012] To solve the problems described above, an object of the present invention is to provide a multi-filling container for stick-type contents, in which the multi-filling container is prepared by mounting a multi-filling cover having a three-dimensional shape on an inlet part of a stick-type content case, a movable partition wall is formed at a center of the multi-filling cover, and the movable partition wall is moved inward and outward of the stick-type content case, so that when different types of contents are filled into a lower portion of the stick-type content case, the movable partition wall is moved inward and outward of the stick-type content case to sequentially fill first contents and second contents, and the multi-filling cover is removed from the stick-type content case at a time when the first and second contents are solidified. Accordingly, it is easy to multi-fill the different types of contents in the stick-type content case, and surfaces of the solidified first and second contents are variously expressed according to the three-dimensional shape of the multi-filling cover so as to improve aesthetic impression and usability.

[0013] In addition, an object of the present invention is to provide a method of filling a multi-filling container for stick-type contents, in which the method includes: a preparation step of preparing the multi-filling container by mounting a multi-filling cover on an inlet part of a stick-type content case, and overturning the multi-filling container; a first filling step of filling first contents into a lower portion of the multi-filling container, and cooling the first contents; a partition wall removing step of pulling out a movable partition wall of the multi-filling cover from the stick-type content case; a second filling step of filling second contents into the lower portion of the multi-filling container, and cooling the second contents; and a cover removing step of removing the multi-filling cover when the first and second contents are solidified, so that the first and second contents are quickly and easily filled in the multi-filling container, and thus productivity of multi-stick-type contents is improved.

[0014] The present invention provides a multi-filling container for stick-type contents, the multi-filling container including: a stick-type content case having an inlet part and filled therein with stick-type contents; and a multi-filling cover mounted on the inlet part of the stick-type content case and having a movable partition wall which moves inward and outward of the stick-type content case.

[0015] In addition, an injection port may be formed at a lower portion of the stick-type content case.

[0016] In addition, the multi-filling cover may have a three-dimensional dome shape.

[0017] In addition, the multi-filling cover may be formed at a center thereof with a partition wall through-hole, and the movable partition wall may be coupled into the par-

tition wall through-hole.

[0018] In addition, the multi-filling cover may have a separation preventing groove, and the movable partition wall may have a separation preventing protrusion corresponding to the separation preventing groove.

[0019] In addition, the movable partition wall may have a gripping part exposed to an outside of the multi-filling cover.

[0020] In addition, one side end of the movable partition wall may have a shape corresponding to an inner periphery of the multi-filling cover.

[0021] The present invention provides a method of filling a multi-filling container for stick-type contents, the method including: a preparation step of preparing the multi-filling container by mounting a multi-filling cover on an inlet part of a stick-type content case, and overturning the multi-filling container; a first filling step of filling first contents into a lower portion of the multi-filling container, and cooling the first contents; a partition wall removing step of pulling out a movable partition wall of the multi-filling cover from the stick-type content case; a second filling step of filling second contents into the lower portion of the multi-filling container, and cooling the second contents; and a cover removing step of removing the multi-filling cover when the first and second contents are solidified.

[0022] In addition, in the preparation step, the multi-filling container may be overturned and seated on a jig.

[0023] In addition, in the partition wall removing step, a separation preventing protrusion of the movable partition wall may be inserted into a separation preventing groove of the multi-filling cover.

[0024] In the multi-filling container for the stick-type contents according to the present invention, the multi-filling container is prepared by mounting the multi-filling cover having a three-dimensional shape on the inlet part of the stick-type content case, the movable partition wall is formed at the center of the multi-filling cover, and the movable partition wall is moved inward and outward of the stick-type content case, so that when the different types of contents are filled into the lower portion of the stick-type content case, the movable partition wall is moved inward and outward of the stick-type content case to sequentially fill the first contents and second contents, and the multi-filling cover is removed from the stick-type content case at a time when the first and second contents are solidified. Accordingly, it is easy to multi-fill the different types of contents in the stick-type content case, and the surfaces of the solidified first and second contents can be variously expressed according to the three-dimensional shape of the multi-filling cover so as to improve aesthetic impression and usability.

[0025] In addition, the method of filling the multi-filling container for the stick-type contents according to the present invention includes: a preparation step of preparing the multi-filling container by mounting a multi-filling cover on an inlet part of a stick-type content case, and overturning the multi-filling container; a first filling step of

filling first contents into a lower portion of the multi-filling container, and cooling the first contents; a partition wall removing step of pulling out a movable partition wall of the multi-filling cover from the stick-type content case; a second filling step of filling second contents into the lower portion of the multi-filling container, and cooling the second contents; and a cover removing step of removing the multi-filling cover when the first and second contents are solidified, so that the first and second contents can be quickly and easily filled in the multi-filling container, and thus the productivity of the multi-stick-type contents can be improved.

BRIEF DESCRIPTION OF THE DRAWINGS

[0026]

FIG. 1 shows conventional apparatus and method for filling a stick-type cosmetic product.

FIG. 2 is a perspective view showing a multi-filling container according to one embodiment of the present invention.

FIG. 3 is an exploded perspective view showing the multi-filling container according to one embodiment of the present invention.

FIG. 4 is a sectional view showing the multi-filling container according to one embodiment of the present invention.

FIG. 5 is a sectional view showing a state in which the multi-filling container is overturned and seated on a jig according to one embodiment of the present invention.

FIG. 6 is a sectional view showing a state in which first contents are filled through an injection port formed in the multi-filling container according to one embodiment of the present invention.

FIG. 7 is a sectional view showing a state in which the first contents filled in the multi-filling container is cooled according to one embodiment of the present invention.

FIG. 8 is a sectional view showing a state in which a movable partition wall of the multi-filling container is moved outward of a stick-type content case according to one embodiment of the present invention.

FIG. 9 is a sectional view showing a state in which second contents are filled through the injection port formed in the multi-filling container according to one embodiment of the present invention.

FIG. 10 is a sectional view showing a state in which a multi-filling cover is removed from the stick-type content case of the multi-filling container according to one embodiment of the present invention.

FIG. 11 is a sectional view showing a state in which a case lid is coupled to the stick-type content case according to one embodiment of the present invention.

FIG. 12 is a flowchart showing a method of filling a multi-filling container according to one embodiment

of the present invention.

DETAILED DESCRIPTION OF THE INVENTION

[0027] The technical object accomplished by the present invention and embodiments of the present invention will become more apparent from the following detailed description of preferred embodiments. Hereinafter, a multi-filling container for stick-type contents according to one embodiment of the present invention will be described in detail with reference to accompanying drawings.

[0028] FIG. 2 is a perspective view showing a multi-filling container according to one embodiment of the present invention, FIG. 3 is an exploded perspective view showing the multi-filling container according to one embodiment of the present invention, FIG. 4 is a sectional view showing the multi-filling container according to one embodiment of the present invention, and FIGS. 5 to 11 are sectional views sequentially showing a state in which different types of contents are filled in the multi-filling container according to one embodiment of the present invention.

[0029] According to one embodiment of the present invention, the multi-filling container for the stick-type contents includes: a stick-type content case (10) having an inlet part (122) and filled therein with stick-type contents (40); and a multi-filling cover (20) mounted on the inlet part (122) of the stick-type content case (10) and having a movable partition wall (30) which moves inward and outward of the stick-type content case (10).

[0030] The stick-type content case (10) is filled therein with the stick-type contents (40), and the stick-type contents (40) are introduced into or drawn outward of the stick-type content case (10).

[0031] As shown in FIG. 3, the stick-type content case (10) includes: a case body (12) having an inlet part (122); a rotation member (14) rotatably coupled to an inside of the case body (12); a rotation operation member (16) fixedly coupled to the rotation member (14) and exposed to an outside of the case body (12); an up-down member (18) screw-coupled with the rotation member (14) to move upward and downward and having an injection port (184); and a finishing cap (19) coupled to a lower portion of the case body (12).

[0032] The case body (12) is formed at an upper portion thereof with the inlet part (122) through which the solidified stick-type contents (40) are introduced or withdrawn, and formed at one lower side thereof with an exposure hole (124) for exposing the rotation operation member (16) to an outside.

[0033] The rotation member (14) is rotatably coupled to the inside of the case body (12), formed at an inner periphery thereof with a screw protrusion (142), and formed at a lower outer periphery thereof with a first fixedly coupling protrusion (144).

[0034] The rotation operation member (16) is fixed to an outside of the rotation member (14) to rotate the ro-

tation member (14) while being exposed to an outside of the exposure hole (124) of the case body (12).

[0035] The rotation operation member (16) is formed at an outer periphery thereof with a friction protrusion (162) such that a user may easily rotate the rotation operation member (16) without slipping, and formed at an inner periphery thereof with a second fixedly coupling protrusion (164) fitted to the first fixedly coupling protrusion (144) of the rotation member (14).

[0036] The up-down member (18) is screw-coupled to the rotation member (14) to move upward and downward by the rotation of the rotation member (14). A screw rod (181) is formed at a lower center of the up-down member (18), and a screw thread (182) is formed at an outer periphery of the screw rod (181) so as to be screw-coupled to the screw protrusion (142) of the rotation member (14).

[0037] In addition, as shown in FIGS. 6 and 9, injection ports (184) through which the stick-type contents (40) are injected are formed on both sides of the screw rod (181). As shown in FIG. 10, the stick-type contents (40) injected through the injection port (184) are solidified at an upper portion of the up-down member (18), and moved up and down together with the up-down member (18).

[0038] As shown in FIGS. 3 and 4, the up-down member (18) is formed at the upper portion thereof with a partition wall insertion groove (186) to which one side end of the movable partition wall (30) is fitted.

[0039] As shown in FIG. 10, the finishing cap (19) is coupled to the lower portion of the case body (12) after the stick-type contents (40) are filled through the injection port (184) of the up-down member (18).

[0040] In addition, the finishing cap (19) is formed at an upper center thereof with a seating groove (191) in which an end of the screw rod (181) of the up-down member (18) is seated.

[0041] The multi-filling cover (20) is mounted on the inlet part (122) of the stick-type content case (10) when the stick-type contents (40) are filled.

[0042] The multi-filling cover (20) may have a three-dimensional dome shape. In other words, when the stick-type contents (40) are solidified inside the stick-type content case (10), a surface of the stick-type contents (40) solidified according to a three-dimensional shape of the multi-filling cover (20) is variously expressed so as to improve aesthetic impression and usability.

[0043] A partition wall through-hole (22) is formed at a center of the multi-filling cover (20), and the movable partition wall (30) is inserted into the partition wall through-hole (22).

[0044] As shown in FIG. 3, the partition wall through-hole (22) may be formed at an upper surface of the multi-filling cover (20) in an oblique shape.

[0045] A separation preventing groove (24) is formed on an inner surface of the multi-filling cover (20) adjacent to the partition wall through-hole (22) of the multi-filling cover (20).

[0046] A jig seating sill (26) protrudes outward from both side surfaces of the multi-filling cover (20). As shown

in FIG. 5, the jig seating sill (26) is seated on an upper surface of a jig (G) when the multi-filling container (100) is overturned and placed on the jig (G).

[0047] The multi-filling cover (20) may be forcibly fitted to the inlet part (12) of the stick-type content case (10) as shown in FIG. 4, and may be coupled in various forms without being limited to the above-described coupling structure.

[0048] The multi-filling cover (20) is provided with the movable partition wall (30) which moves inward and outward of the stick-type content case (10).

[0049] The movable partition wall (30) is inserted into the partition wall through-hole (22) of the multi-filling cover (20) to divide an inner space of the stick-type content case (10) in half so that different types of contents may be multi-filled.

[0050] In other words, as shown in FIGS. 4 and 5, one side end of the movable partition wall (30) is fitted to the partition wall insertion groove (186) of the case body (12), so that the inner space of the case body (12) is divided into a first filling space (12a) and a second filling space (12b).

[0051] A gripping part (32) is formed at one side end of the movable partition wall (30), and the gripping part (32) is exposed to the outside of the multi-filling cover (20). In addition, as shown in FIG. 3, a gripping hole (322) may be formed in the gripping part (32) so that the user may easily grip the gripping part (32).

[0052] In a lower portion of the movable partition wall (30), a separation preventing protrusion (34) protrudes outward. As shown in FIG. 8, the separation preventing protrusion (34) is inserted into the separation preventing groove (24) of the multi-filling cover (20) when the movable partition wall (30) is pulled out from the stick-type content case (10). Therefore, the movable partition wall (30) is prevented from being separated from the multi-filling cover (20).

[0053] In addition, it is preferable that one side end of the movable partition wall (30) is formed in a shape corresponding to the inner periphery of the multi-filling cover (20). In other words, as shown in FIG. 8, when the movable partition wall (30) is pulled out of the stick-type content case (10) while the separation preventing protrusion (34) of the movable partition wall (30) is inserted into the separation preventing groove (24) of the multi-filling cover (20), one side end of the movable partition wall (30) is configured to correspond to the inner periphery of the multi-filling cover (20), so that when the second contents (42) filled through the injection port (184) of the stick-type content case (10) are cooled as shown in FIG. 9, no mark is formed on a surface of the second contents (42) due to the movable partition wall (30).

[0054] As shown in FIGS. 6 to 9, the stick-type contents (40) are filled through the injection port (184) formed at the lower portion of the stick-type content case (10) in a liquid form, and then cooled and solidified.

[0055] The stick-type contents (40) includes different types of contents, which are first contents (41) and sec-

ond contents (42), and are sequentially filled into the stick-type content case (10), wherein the stick-type contents (40) are multi-filled while being partitioned by the movable partition wall (30).

[0056] In other words, the first contents (41) are firstly filled through the injection port (184) of the stick-type content case (10) and cooled as shown in FIG. 6, the movable partition wall (30) is moved outward of the stick-type content case (10) as shown in FIG. 8, the second contents (42) are secondarily filled through another injection port (184) of the stick-type content case (10) and cooled as shown in FIG. 9, so that the different types of contents can be easily multi-filled in the inner space of the stick-type content case (10).

[0057] Hereinafter, a method of filling a multi-filling container for stick-type contents according to one embodiment of the present invention will be described in detail with reference to accompanying drawings.

[0058] FIG. 12 is a flowchart showing a method of filling a multi-filling container according to one embodiment of the present invention.

[0059] As shown in FIG. 12, the method of filling the multi-filling container for the stick-type contents according to one embodiment of the present invention includes a preparation step (S10), a first filling step (S20), a partition wall removing step (S30), a second filling step (S40), and a cover removing step (S50).

[0060] In the preparation step (S10), the multi-filling container (1) is prepared by mounting the multi-filling cover (20) on the inlet part (122) of the stick-type content case (10) as shown in FIG. 4, and the multi-filling container (1) is overturned as shown in FIG. 5.

[0061] In the preparation step (S10), the multi-filling container (1) is overturned and seated on the jig (G) as shown in FIG. 5, such that the jig seating sill (26) formed on the outer periphery of the multi-filling cover (20) is seated on the upper surface of the jig (G) so as to fix the multi-filling container (1).

[0062] The first filling step (S20) is a step of filling the first contents (41) into the lower portion of the multi-filling container (1) and cooling the first contents (41) as shown in FIG. 6.

[0063] In the first filling step (S20), the first contents (41) are filled into the first filling space (12a) through the injection port (184) of the stick-type content case (10). At this time, as shown in FIG. 7, the movable partition wall (30) is inserted into the stick-type content case (10) while being fitted to the partition wall insertion groove (186) of the stick-type content case (10).

[0064] The partition wall removing step (S30) is a step of pulling out the movable partition wall (30) of the multi-filling cover (20) from the stick-type content case (10) as shown in FIG. 8.

[0065] In the partition wall removing step (S30), the separation preventing protrusion (34) of the movable partition wall (30) is inserted into the separation preventing groove (24) of the multi-filling cover (20), and one side end of the movable partition wall (30) has a shape cor-

responding to the inner periphery of the multi-filling cover (20), so that the surfaces of the first and second contents (41) and (42) are solidified while maintaining a smooth state as shown in FIG. 9.

[0066] The second filling step (S40) is a step of filling the second contents (42) to the lower portion of the multi-filling container (1) and cooling the second contents (42) as shown in FIG. 9.

[0067] In the second filling step (S40), the second contents (42) are filled into the second filling space (12b) through the injection port (184) of the stick-type content case (10), and solidified in close contact with the first contents (41).

[0068] In addition, in the first and second filling steps (S20) and (S40), the surfaces of the first and second contents (41) and (42) are solidified in variously expressed shapes according to a three-dimensional shape inside the multi-filling cover (20).

[0069] The cover removing step (S50) is a step of removing the multi-filling cover (20) from the stick-type content case (10) as shown in FIG. 10.

[0070] The cover removing step (S50) is performed after the first and second contents (41) and (42) are solidified, and the finishing cap (19) is coupled to the lower portion of the case body (10) of the stick-type content case (10) before or after the cover removing step (S50).

[0071] After the cover removing step (S50), the case lid (50) is coupled to the stick-type content case (10) as shown in FIG. 11.

[0072] As described above, although the multi-filling container for the stick-type contents and the method of filling the same according to one embodiment of the present invention has been described for illustrative purposes, the present invention is not limited thereto. It is understood that various changes and modifications can be made by those skilled in the art without departing from the spirit and scope of the present invention as disclosed in the appended claims.

[List of reference numerals]

[0073]

- 1: multi-filling container
- 10: stick-type content case
- 12: case body
- 12a: first filling space
- 12b: second filling space
- 122: inlet part
- 124: exposure hole
- 14: rotation member
- 142: screw protrusion
- 144: first fixedly coupling protrusion
- 16: rotation operation member
- 162: friction protrusion
- 164: second fixedly coupling protrusion
- 18: up-down member
- 181: screw rod

182: screw thread
 184: injection port
 186: insertion groove
 19: finishing cap
 191: seating groove
 20: multi-filling cover
 22: partition wall through-hole
 26: jig seating sill
 30: movable partition wall
 32: gripping part
 322: gripping hole
 34: separation preventing protrusion
 40: stick-type contents
 41: first contents
 42: second contents
 50: case lid
 100: case
 200: mold shaft
 300: filling nozzle
 400: outer barrier
 G: jig
 S10: preparation step
 S20: first filling step
 S30: partition wall removing step
 S40: second filling step
 S50: cover removing step

Claims

1. A multi-filling container for stick-type contents, the multi-filling container comprising:

a stick-type content case having an inlet part and filled therein with stick-type contents; and
 a multi-filling cover mounted on the inlet part of the stick-type content case and having a movable partition wall which moves inward and outward of the stick-type content case.
2. The multi-filling container of claim 1, wherein an injection port is formed at a lower portion of the stick-type content case.
3. The multi-filling container of claim 1, wherein the multi-filling cover has a three-dimensional dome shape.
4. The multi-filling container of claim 1, wherein the multi-filling cover is formed at a center thereof with a partition wall through-hole, and the movable partition wall is coupled into the partition wall through-hole.
5. The multi-filling container of claim 1, wherein the multi-filling cover has a separation preventing groove, and the movable partition wall has a separation preventing protrusion corresponding to the separation preventing groove.
6. The multi-filling container of claim 1, wherein the movable partition wall has a gripping part exposed to an outside of the multi-filling cover.
7. The multi-filling container of claim 1, wherein one side end of the movable partition wall has a shape corresponding to an inner periphery of the multi-filling cover.
8. A method of filling a multi-filling container for stick-type contents, the method comprising:

a preparation step of preparing the multi-filling container by mounting a multi-filling cover on an inlet part of a stick-type content case, and overturning the multi-filling container;
 a first filling step of filling first contents into a lower portion of the multi-filling container, and cooling the first contents;
 a partition wall removing step of pulling out a movable partition wall of the multi-filling cover from the stick-type content case;
 a second filling step of filling second contents into the lower portion of the multi-filling container, and cooling the second contents; and
 a cover removing step of removing the multi-filling cover when the first and second contents are solidified.
9. The method of claim 8, wherein, in the preparation step, the multi-filling container is overturned and seated on a jig.
10. The method of claim 8, wherein, in the partition wall removing step, a separation preventing protrusion of the movable partition wall is inserted into a separation preventing groove of the multi-filling cover.

Fig. 1

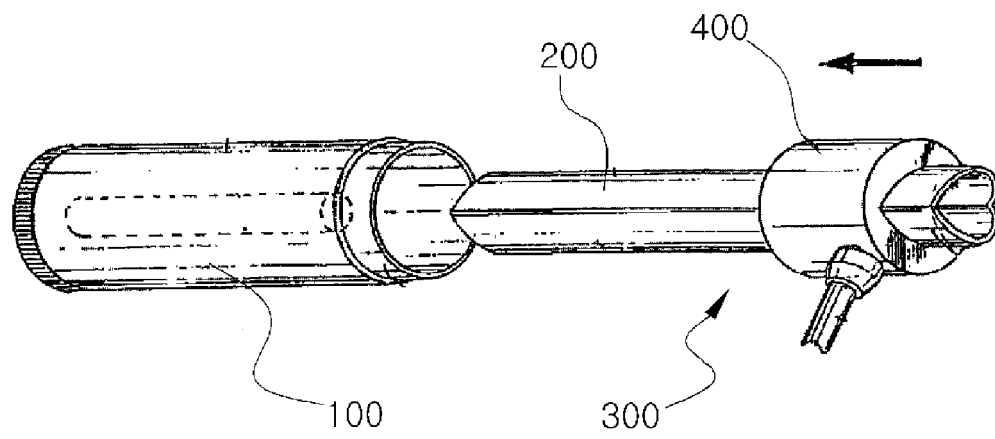


Fig. 2

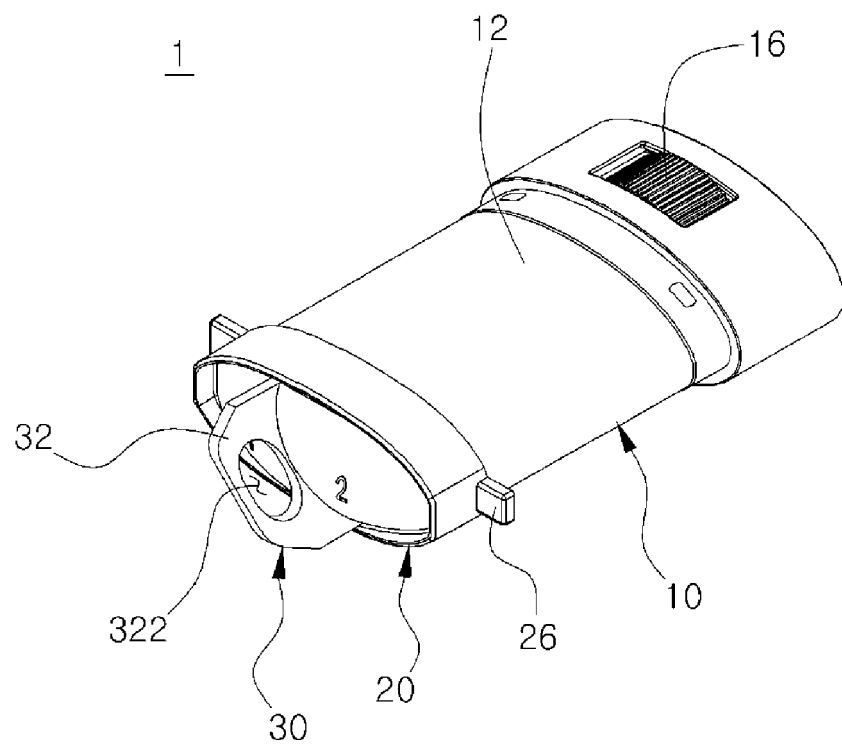


Fig. 3

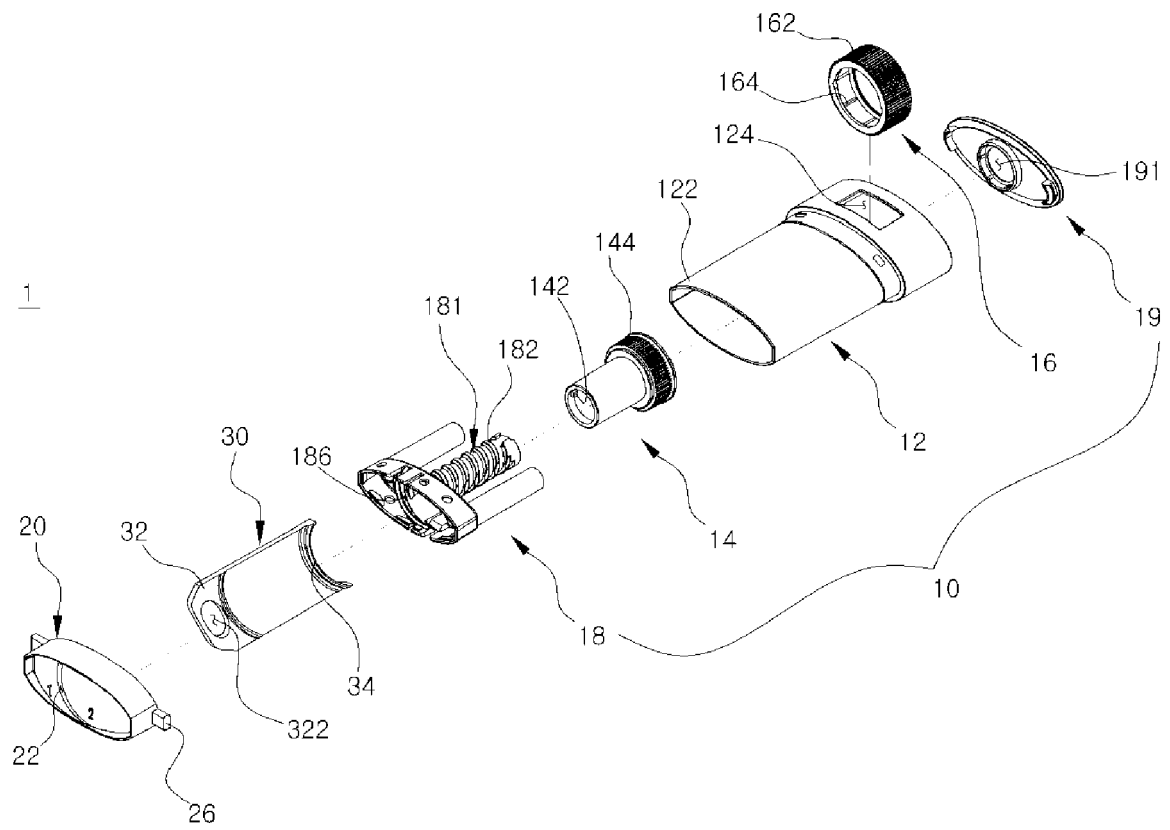


Fig. 4

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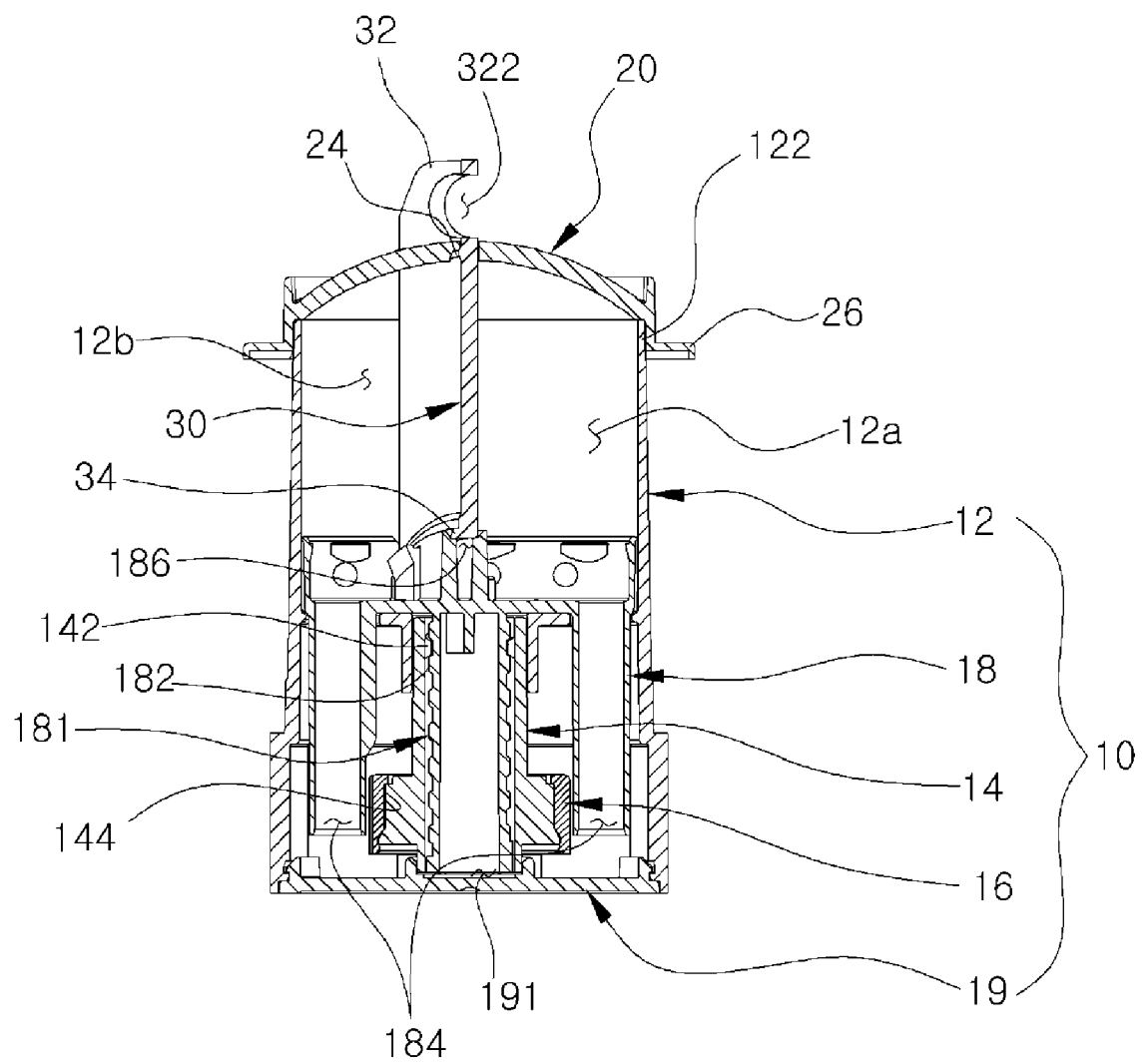


Fig. 5

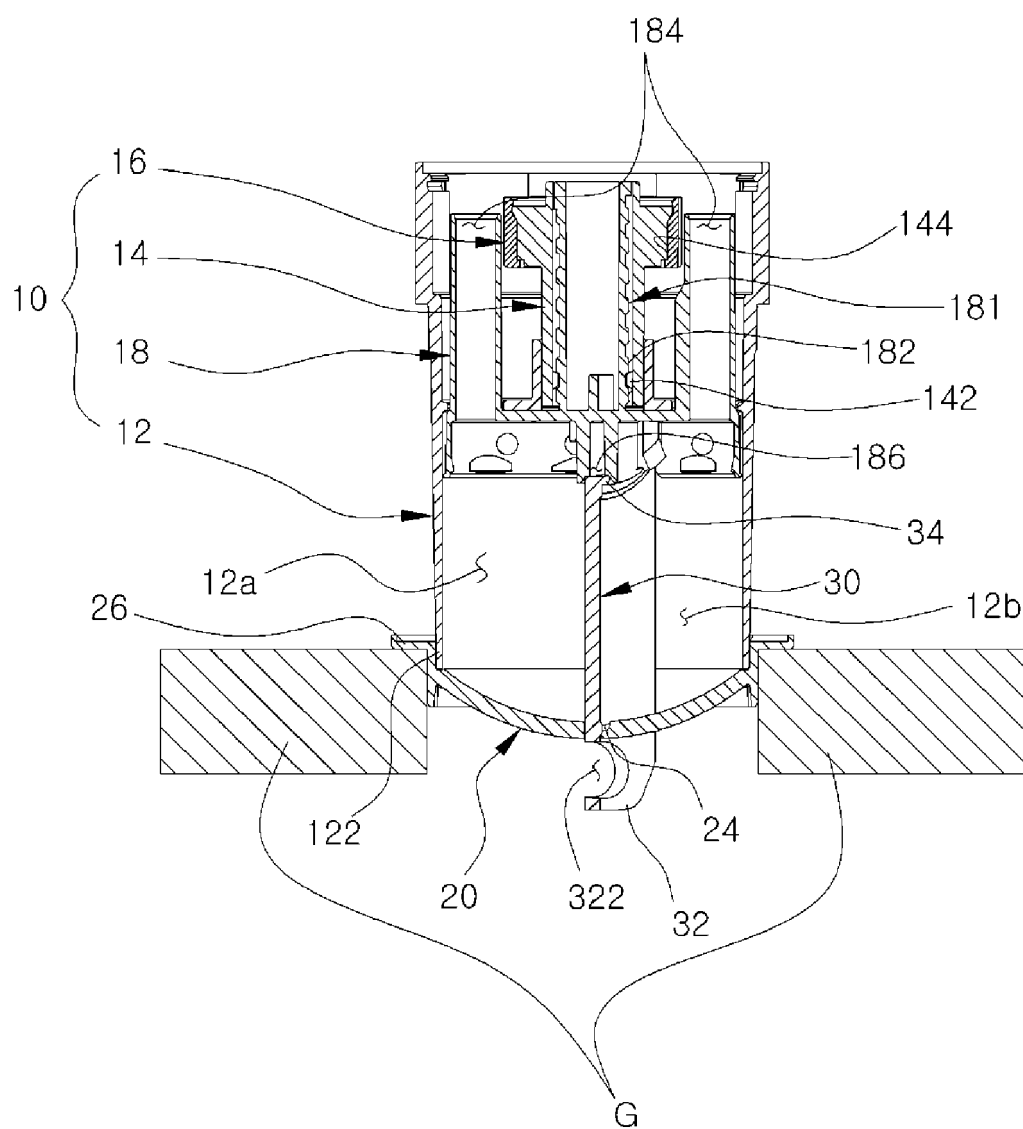


Fig. 6

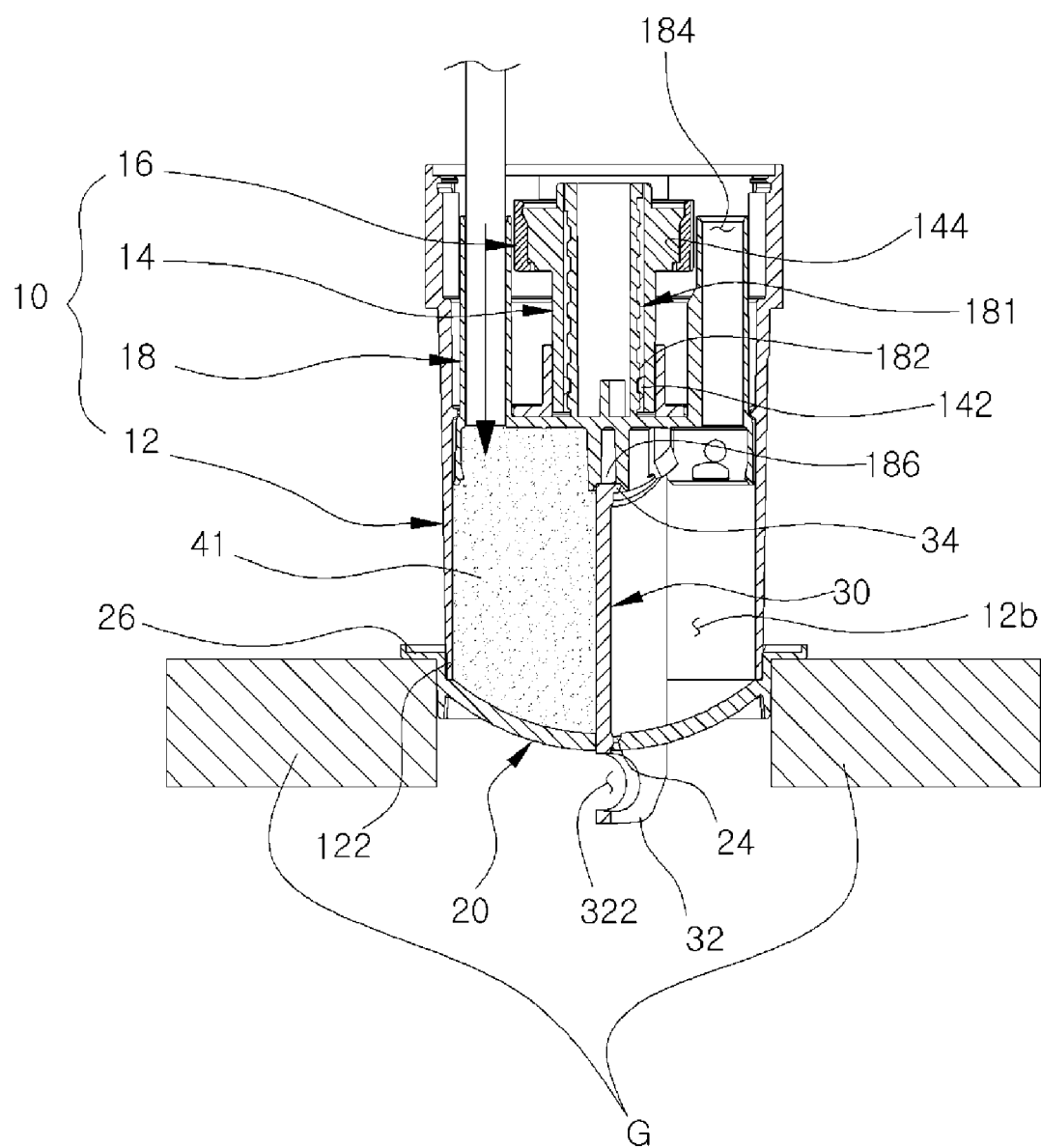


Fig. 7

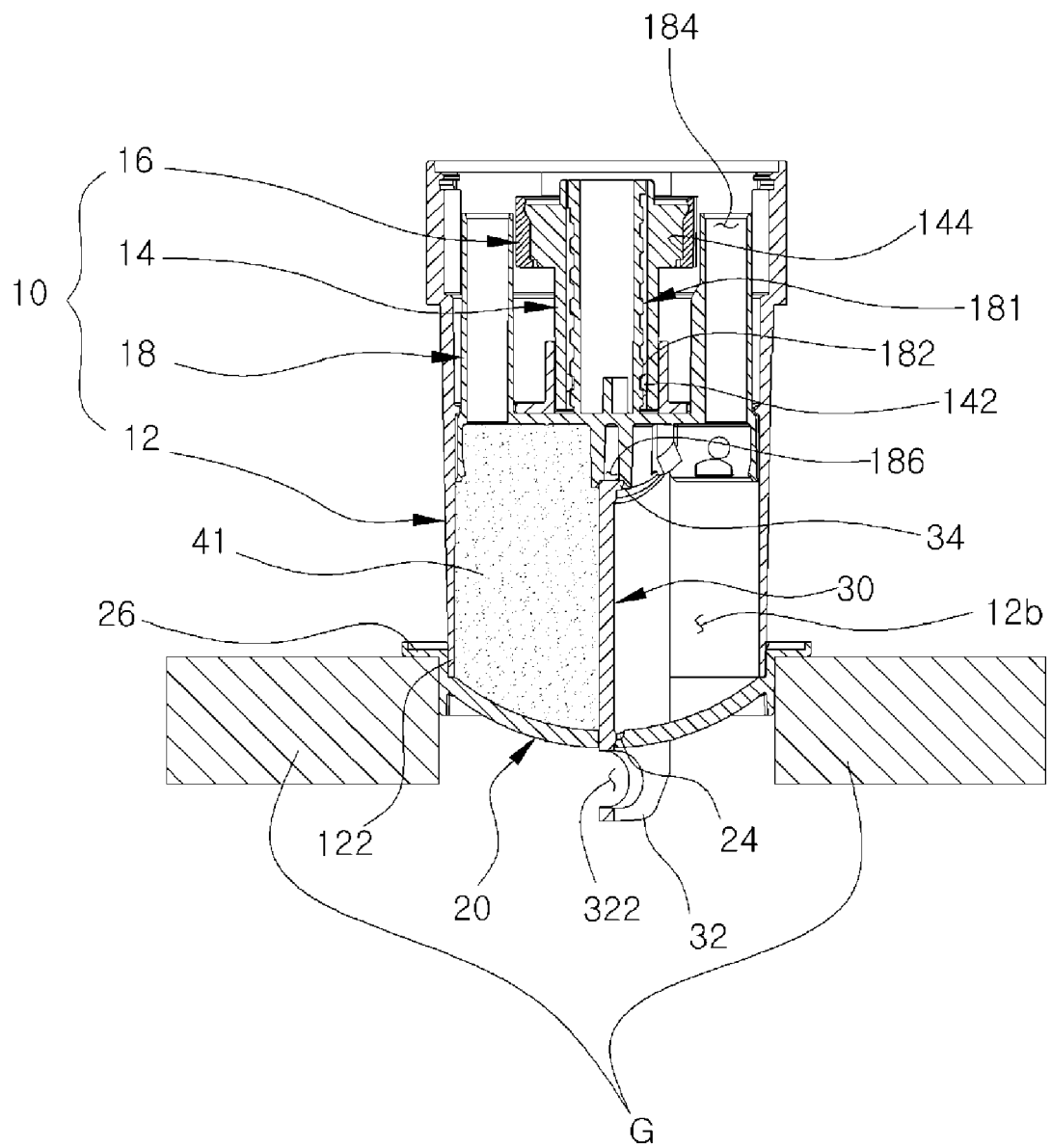


Fig. 8

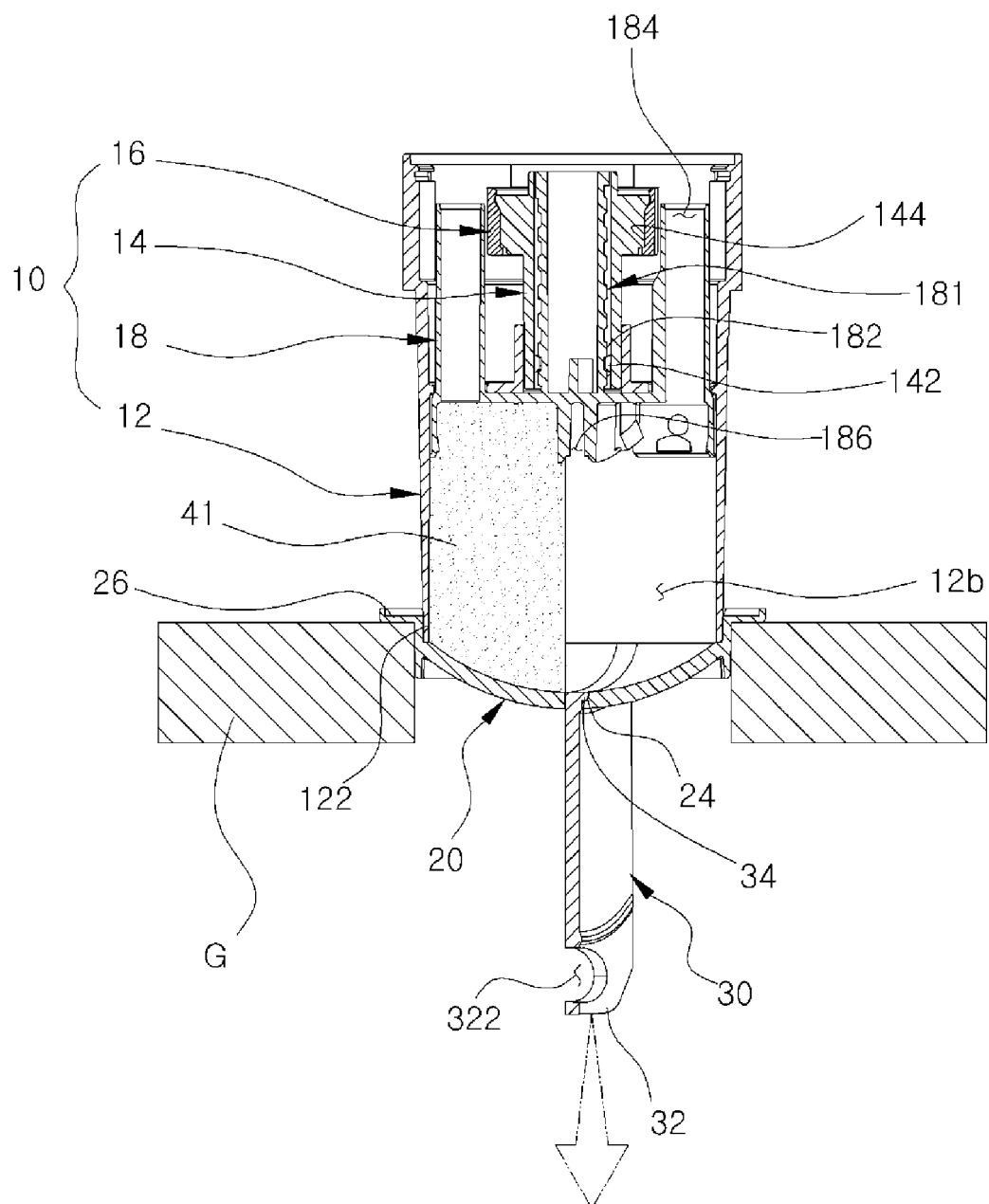


Fig. 9

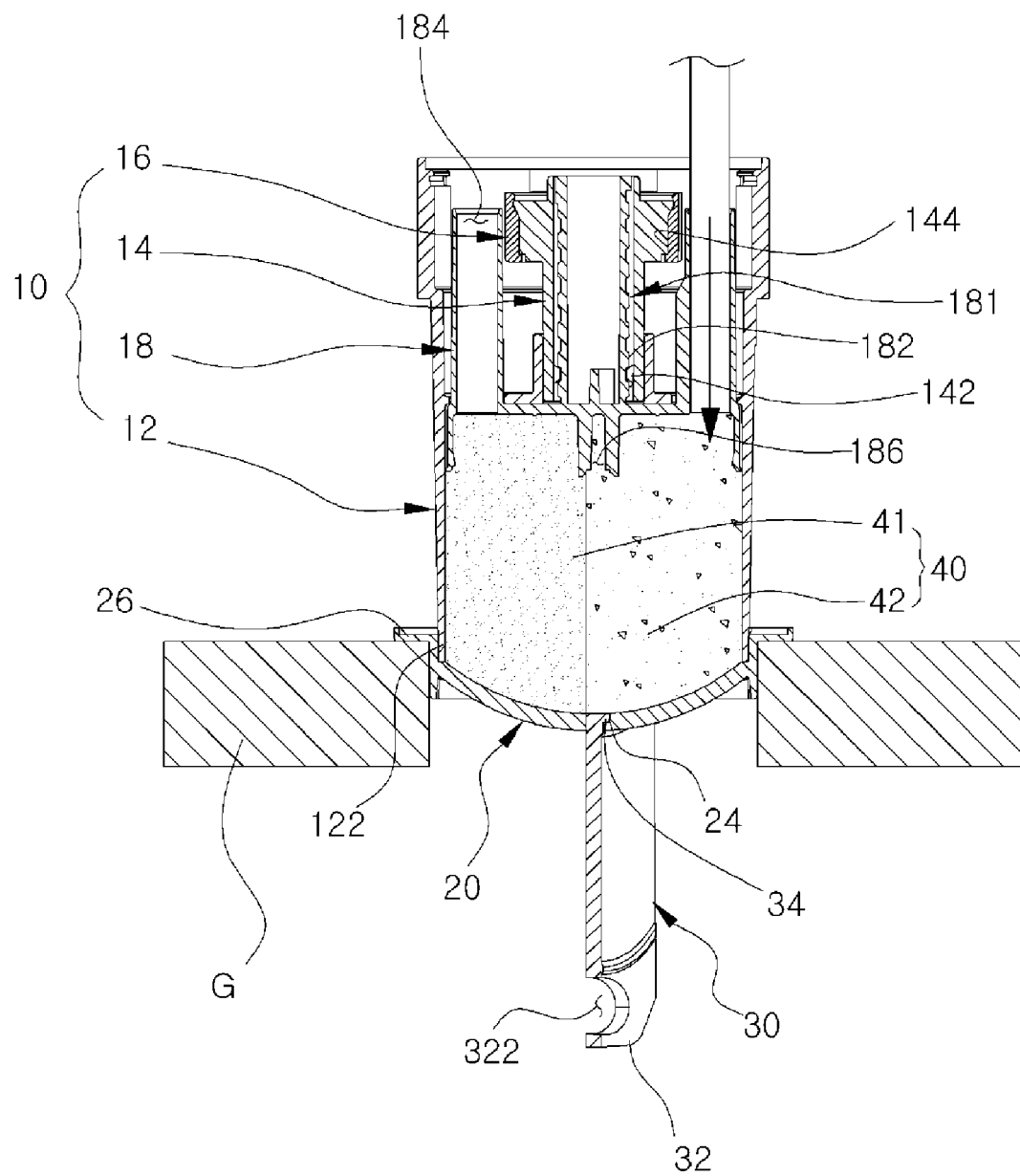


Fig. 10

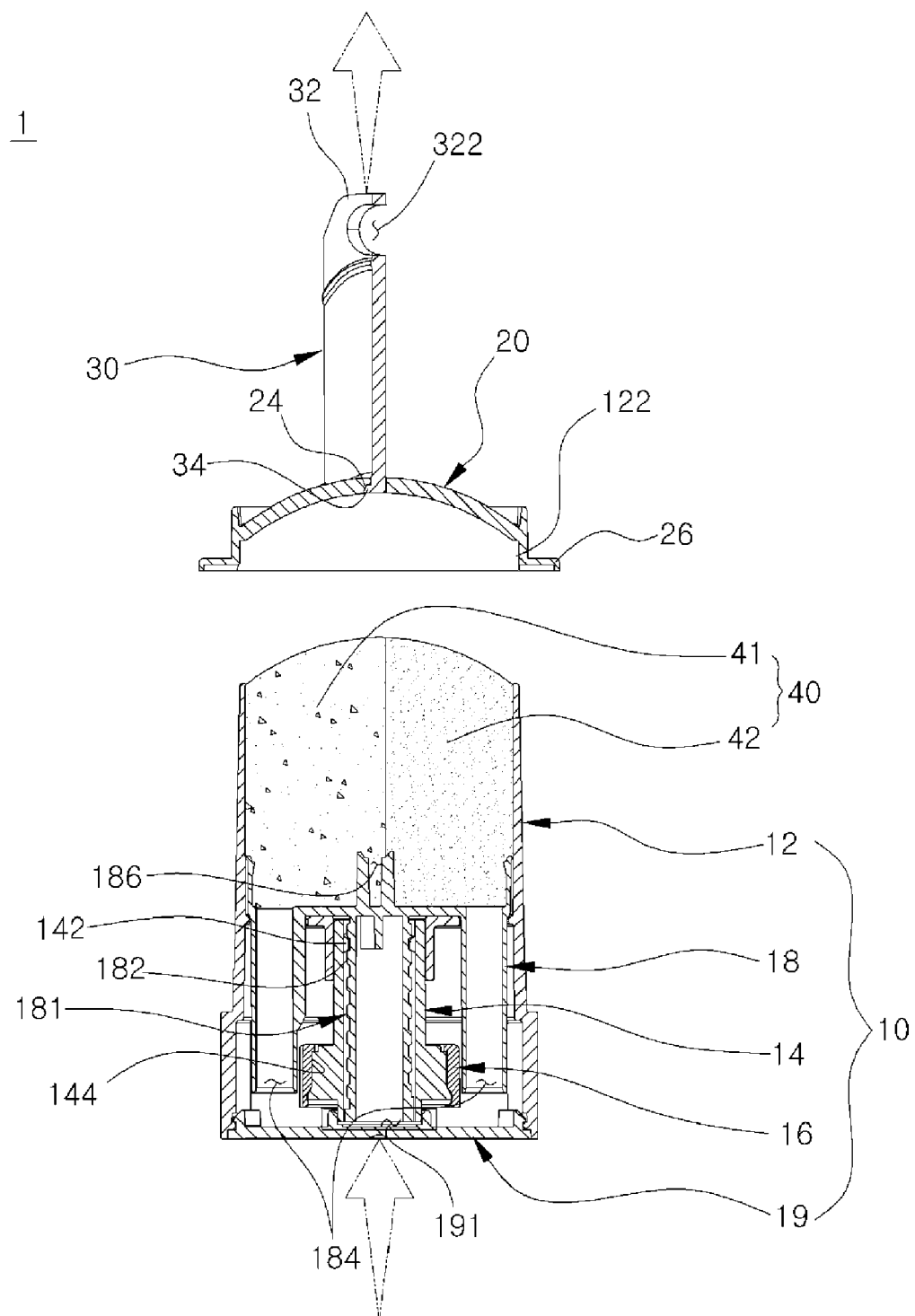


Fig. 11

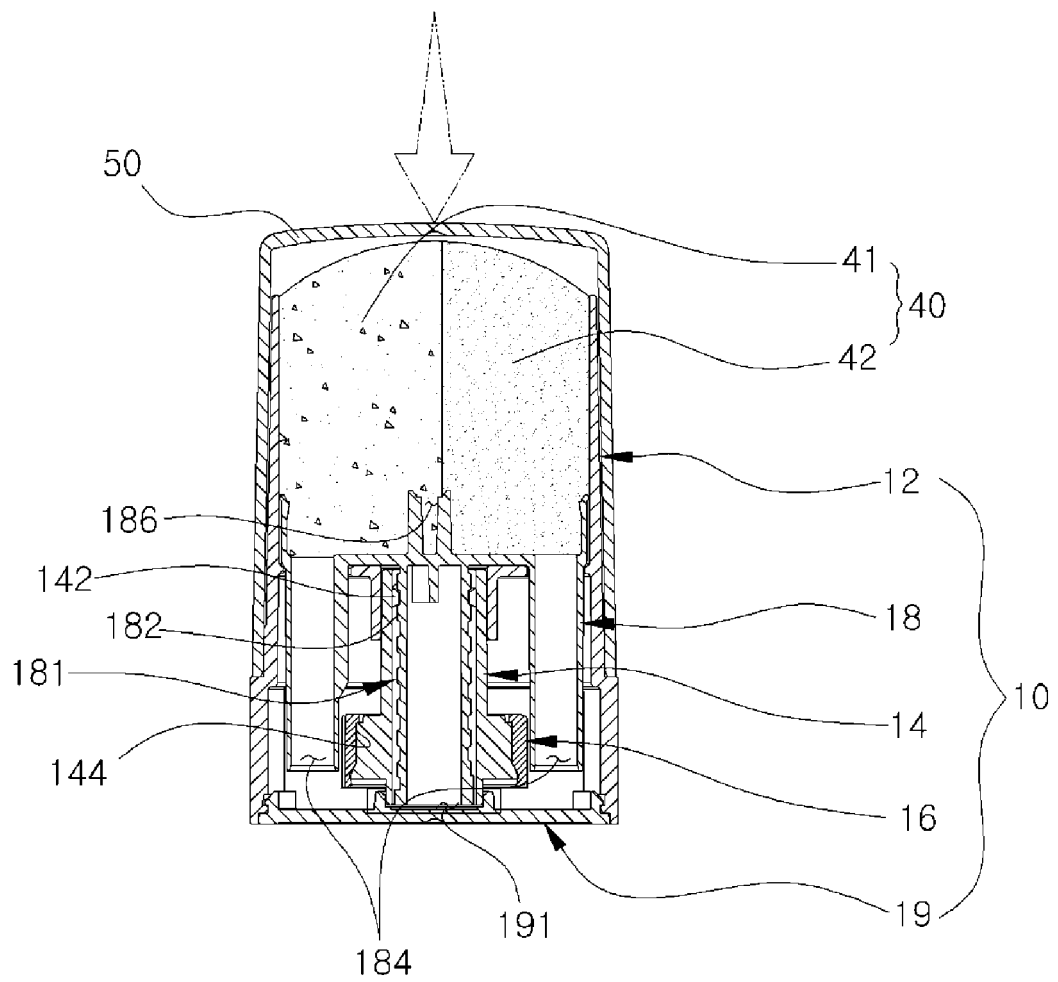
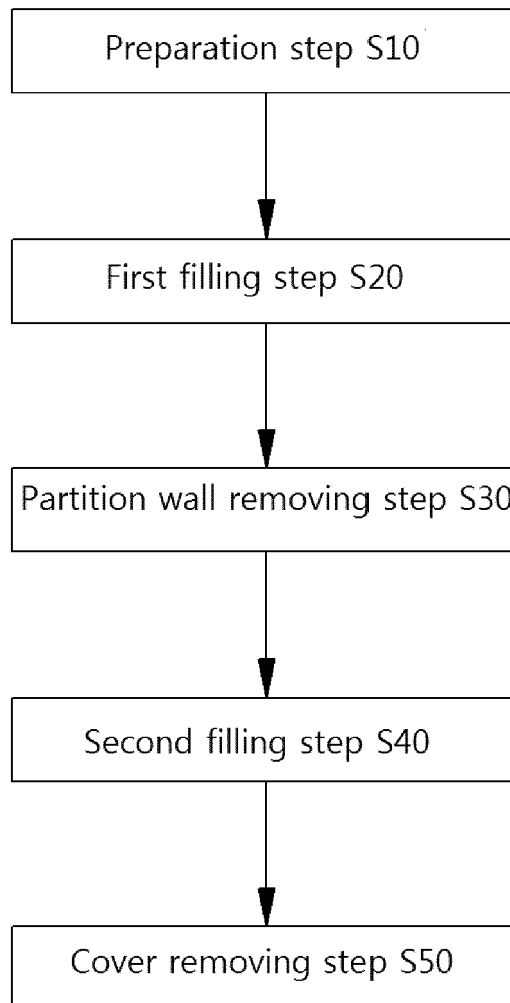


Fig. 12





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Place of search The Hague		Date of completion of the search 11 October 2018	Examiner Nicolás, Carlos
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