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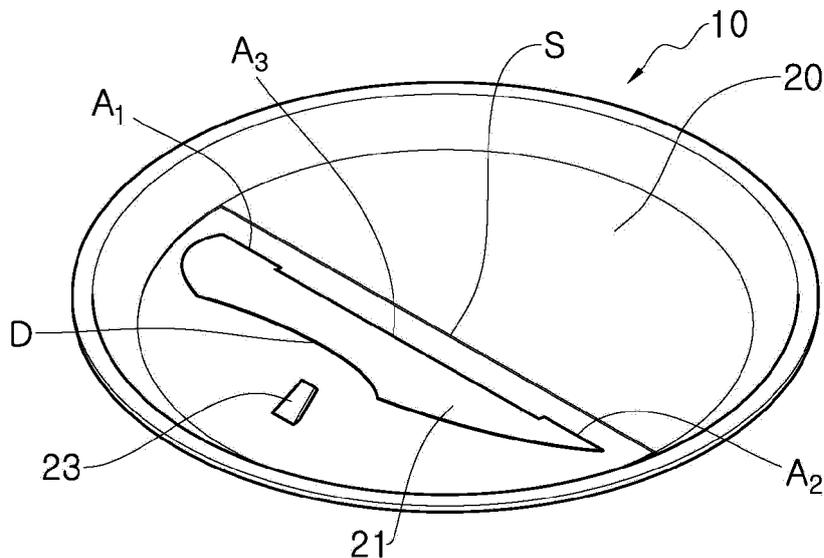
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(54) **CONTAINER COVER**

(57) The present invention relates to a container cover. According to one embodiment of the present invention, the container cover comprises: a main body part including a bottom part; a handle part connected to the upper surface of the bottom part; and a fixing part con-

ected to the upper surface of the bottom part, and spaced apart from the point at which the handle part is connected to the bottom part, so as to press a free end of the handle part downward.

【FIG. 2】



Description

[Technical Field]

[0001] The present disclosure relates to a container cover, and more particularly, to a container cover that is easy for a user to hold and prevents product defects.

[Background Art]

[0002] A cosmetic such as a cream is packaged in a container having a relatively large inlet. The container inlet of the container is covered with a container cover for stable preservation of the content, and a lid is fitted thereon.

[0003] FIG. 1 is a schematic diagram showing the container 1 with the container cover 5 according to the related art. The container 1 is covered with the container cover 5, and the container 1 with the container cover 5 is closed by a lid 3 to prevent the content X inside the container from going bad or the content X from being hardened due to water evaporation from the content X.

[0004] When removing the container cover 5 for use, the flat container cover 5 is difficult to easily separate, and thus the container cover 5 is provided with a handle 6.

[0005] Referring to FIG. 1, the conventional container cover 5 has the handle 6 formed in the shape of "-" or inclined at a preset angle from the container cover body.

[0006] When the handle 6 is too small, it is difficult for a user to hold and remove the handle 6.

[0007] Accordingly, the handle 6 has a predetermined size enough to hold with two fingers to allow the user to easily hold the handle 6 and apply a force. However, when the container is closed by the lid 3 as shown in FIG. 1, the lid 3 applies a pressing force f to the handle 6 having the predetermined size, and in turn, the handle 6 continuously applies a pushing force to the lid 3, and thus reverse sliding occurs and the lid 3 is unlocked.

[0008] Additionally, when the lid 3 presses down the handle 6, the handle 6 pushes the content X or a seal liner 7 covering the content X, causing sealing defects and consequential product defects.

[RELATED ART]

[0009] (Patent Literature) KR20-0393413 Y1

[Disclosure]

[Technical Problem]

[0010] The present disclosure is designed to solve the above-described problem, and therefore the present disclosure is directed to providing a container cover for enhancing grip and minimizing product defects.

[Technical Solution]

[0011] A container cover according to an embodiment of the present disclosure includes a main body part including a bottom part, a handle part connected to an upper surface of the bottom part, and a fixing part connected to an upper surface of the bottom part, and spaced apart from a point at which the handle part is connected to the bottom part, so as to press a free end of the handle part downward.

[0012] The handle part may include a base fixed to the upper surface of the bottom part in whole or in part, a pair of side parts each extending from two sides of the base in an opposite direction to the bottom part, and a concave part disposed between the pair of side parts and having a concave shape toward the bottom part.

[0013] The fixing part may be spaced apart from the concave part, so as to press the concave part downward.

[0014] The fixing part may be a cantilever inclined at a preset angle, or a protrusion or protruding piece in an angled shape, from the bottom part toward the handle part.

[0015] The main body part, the handle part and the fixing unit may be an integrated injection molded product.

[0016] The main body part may further include a sidewall part extending upward from an edge of the bottom part, and a height of the fixing part may be equal to or smaller than a height of the sidewall part.

[0017] The bottom part may be divided into a first bottom part and a second bottom part lower than the first bottom part by a step, and the handle part and the fixing part may be disposed in the second bottom part.

[0018] The main body part may further include a sidewall part extending upward from an edge of the second bottom part, and a height of the fixing part may be equal to or smaller than a height of the sidewall part.

[Description of Drawings]

[0019]

FIG. 1 is a cross-sectional view showing a container with a container cover according to the related art.

FIG. 2 is a schematic perspective view showing a handle part of a container cover in unfolded state according to an embodiment of the present disclosure.

FIG. 3 is a schematic perspective view showing a handle part of a container cover pressed by a fixing part according to an embodiment of the present disclosure.

FIG. 4 is a cross-sectional view of the container cover of FIG. 3.

FIG. 5 is a cross-sectional view showing a container with a container cover according to an embodiment of the present disclosure.

[Best Mode]

[0020] Various changes and variations may be made to the disclosed embodiments, and particular embodiments are illustrated in the accompanying drawings and described in detail. However, it should be understood that this is not intended to limit the scope of the particular embodiments, and covers all modifications, equivalents or alternatives included in the spirit and technical scope disclosed herein. In describing the embodiments, when it is deemed that a certain detailed description of relevant known technology renders the key subject matter ambiguous, the detailed description is omitted herein.

[0021] FIGS. 2 and 3 are perspective views showing a container cover according to an embodiment of the present disclosure, FIG. 2 is a schematic perspective view showing a handle part 21 of the container cover in unfolded state, and FIG. 3 is a schematic perspective view showing the handle part 21 of the container cover pressed by a fixing part 23.

[0022] Referring to FIG. 2, the container cover 10 according to an embodiment of the present disclosure includes a main body part 20, the handle part 21 and the fixing part 23.

[0023] Referring to FIG. 3, the main body part 20 includes bottom part 15, 17. The main body part 20 serves to cover the container to prevent the direct contact between the content X inside the container and the external air.

[0024] The main body part 20 may further include sidewall part 11, 13 extending upward from the edge of the bottom part 15, 17.

[0025] The sidewall part 11, 13 may include a stopper 11 fixed along the sidewall of the container and a sloping sidewall 13 extending between the bottom part 15, 17 and the stopper 11. Accordingly, the container cover 10 may be fixed to the sidewall of the container 1 (see FIG. 5).

[0026] The handle part 21 is connected to the upper surface of the bottom part 15, 17, and can be folded with respect to the bottom part 15, 17.

[0027] In the specification, "foldable" refers to the handle part 21 being foldable toward the bottom part 15, 17.

[0028] As the handle part 21 is folded toward the bottom part 15, 17, the height or length of the handle part 21 protruding upward may be reduced within a predetermined range. Accordingly, while not in use, the handle part 21 may be folded in close contact with the bottom part 15, 17.

[0029] Additionally, when a seal liner 7 is sealed in the inlet of the container 1 before the inlet of the container 1 is covered with the container cover 10, it is possible to prevent a phenomenon in which the seal liner 7 is pressed down due to the handle part 21 pressing up the lid or pressing down the bottom part 15, 17.

[0030] The fixing part 23 may be connected to the upper surface of the bottom part 15, 17, and spaced apart from a point at which the handle part is connected to the

bottom part 15, 17, so as to press the free end of the handle part 21 downward.

[0031] According to an embodiment, the fixing part 23 may be a cantilever inclined at a preset angle toward the handle part, or an angled protrusion or protruding piece, formed in the bottom part 15, 17.

[0032] Accordingly, the handle part 21 and the fixing part 23 may be joined in a snap-fit fashion when the user presses the end of the handle part 21 against the fixing part 23, or press-fits the end of the handle part 21 into the fixing part 23. On the contrary, when the handle part 21 is pulled up, the handle part 21 may be released from the fixing part 23 and freely unfolded.

[0033] Accordingly, to store the container 1, the handle part 21 is folded and pressed by the handle part 21 to prevent the handle part 21 from pressing down the lid 3 or the content X.

[0034] Additionally, to remove the container cover 10 for use, the handle part 21 is separated from the fixing part 23 and unfolded to allow the user to hold up the handle part 21.

[0035] Additionally, to cover the container 1 with the container cover 10 again after use, the handle part 21 is folded and pressed by the fixing part 23 to keep the handle part 21 in folded state.

[0036] Accordingly, it is possible to prevent a reverse sliding phenomenon occurring due to the handle part 21 pushing up the lid 3 of the container or sealing defects occurring due to the handle part 21 pressing down the content X or the seal liner 7, thereby preventing product defects (see FIG. 5).

[0037] In more detail, the handle part 21 may be formed in the shape of a plate or sheet extending from the bottom part 15, 17.

[0038] The handle part 21 may include base A_1 , A_2 , A_3 fixed to the bottom part 15, 17 in whole or in part, a pair of side parts C_1 , C_2 each extending from two sides of the base A_1 , A_2 , A_3 in the opposite direction to the bottom part 15, 17, and a concave part D disposed between the pair of side parts C_1 , C_2 and having a concave shape toward the base A_1 , A_2 , A_3 .

[0039] The base may be fixed to the bottom part 15, 17 in whole or in part. According to an embodiment, the base may be fixed to the bottom part 15, 17 in whole, and as in the embodiment of FIG. 3, only the two sides A_1 , A_2 of the base may be fixed to the bottom part 15, 17.

[0040] In other words, the two sides A_1 , A_2 of the base may extend from the bottom part 15, 17, and the center A_3 between the two sides A_1 , A_2 may have a cutoff line for separation between the center A_3 of the base and the bottom part 15, 17. The center A_3 may be cut away from the bottom part 15, 17 to allow the user to fold or unfold the handle part 21 with a small force.

[0041] Each of the side parts C_1 , C_2 may extend from the two sides A_1 , A_2 of the base. The contour of the side parts C_1 , C_2 may match the contour of the bottom part 15, 17 of the main body part, or may have a smaller contour. For example, as in FIG. 3, the contour of the side

parts C_1 , C_2 may have a round contour that is smaller in size than the contour of the bottom part 15, 17.

[0042] However, this is not necessarily limited thereto, and the side parts C_1 , C_2 may be modified into various shapes so long as the user can easily hold. That is, the conventional handle has size and shape limitations not to push the lid and press the content when closed by the lid. However, according to an embodiment of the present disclosure, the handle part can be stored in folded state, and thus the size and shape of the handle part have a high degree of freedom. Accordingly, it is possible to provide an aesthetic effect by imparting aesthetics of a product with an addition of various shapes of curves or patterns to the side part of the handle.

[0043] Meanwhile, the concave part D of a concave shape may be disposed toward the base A_1 , A_2 , A_3 between the pair of side parts C_1 , C_2 .

[0044] The fixing part 23 may be spaced a preset distance apart from the concave part D, and formed to press down the concave part D. Accordingly, the fixing part 23 may be disposed using a space for the handle part 21 of a semicircular shape without having a separate space for the fixing part 23.

[0045] Additionally, the handle part 21 may be folded or unfolded by fixing the finger on the concave part D, thereby enhancing grip.

[0046] FIG. 4 is a cross-sectional view of the container cover according to an embodiment of present disclosure.

[0047] Referring to FIGS. 3 and 4, according to an embodiment of the present disclosure, the height d_1 of the fixing part 23 may be equal to or smaller than the height L_1 , L_2 of the sidewall part of the main body part.

[0048] The height d_1 of the fixing part 23 refers to a vertical height from the contact point of the fixing part 23 and the bottom part 17 to the top of the fixing part, and here, the height L_1 , L_2 of the sidewall part of the main body part refers to a vertical height from the contact point of the sidewall part and the bottom part to the top of the sidewall part, i.e., the top stopper 11.

[0049] Accordingly, when the handle part 21 is folded and pressed by the fixing part 23, the handle part 21 may be maintained in the internal space of the main body part. That is, the handle part 21 does not protrude above the main body part when pressed by the fixing part 23. Accordingly, it is possible to prevent the handle part 21 from pressing up the lid 3 of the container or pressing down the content.

[0050] Additionally, the bottom part has a step S, and on the basis of the step S, may include a first bottom part 15 and a second bottom part 17 disposed lower than the first bottom part 15, where the handle part 21 and the fixing part 23 are disposed.

[0051] The bottom part may be divided into the first bottom part 15 and the second bottom part 17 disposed lower than the first bottom part 15 by the step S. Additionally, the handle part 21 and the fixing part 23 may be disposed in the second bottom part 17.

[0052] Accordingly, in the main body part, the height

L_1 of the sidewall part of the second bottom part 17, in which the handle part 21 is formed, may be larger than the height L_2 of the sidewall part of the first bottom part 15. That is, as the second bottom part 17 in which the handle part 21 and the fixing part 23 are formed has a large height, it is possible to further prevent the handle part 21 from bulging out when the handle part 21 is stored in folded state. Additionally, as the height L_2 of the sidewall part of the first bottom part 15 is low, it is possible to prevent sealing defects due to the container cover pressing down the content X or the seal liner 7. Additionally, various pictures, characters or patterns may be formed on the first bottom part 15 to provide the product's aesthetic effect.

[0053] Additionally, the height d_1 of the fixing part 23 may be equal to or smaller than the height L_1 of the sidewall part of the second bottom part 17. Accordingly, while storage, the fixing part may maintain the handle part in the internal space of the main body part by pressing the handle part.

[0054] FIG. 5 is a cross-sectional view showing the container with the container cover according to an embodiment of the present disclosure.

[0055] The container cover 10 may be an injection molded product by integrally forming the main body part 20, the handle part 21 and the fixing part 23. Accordingly, when the container cover is made by injection molding and added to a cosmetic container, it is possible to protect the content of a cosmetic product of formulation such as cream more stably.

[0056] When the stopper 11 of the container cover 10 is stuck on the sidewall of the container 1, the container 1 may be covered with the container cover 10. Additionally, the container 1 may be covered with the lid 3 to protect the content X of the container. Accordingly, it is possible to prevent the direct contact of the external air with the content X, thereby preventing the content X from going bad or being hardened due to water evaporation.

[0057] Besides, when the handle part 21 is fixed to the fixing part 23, the handle part 21 is maintained within the main body part 20, and thus the handle part 21 does not press down the lid 3, the content X or the seal liner 7, thereby preventing a reverse sliding phenomenon or sealing defects of the product.

[0058] For use, after opening the lid 3, the handle part 21 may be separated from the fixing part 23 by pulling. The handle part 21 is unfolded to provide a sufficient area for the user to hold the container cover 10. Accordingly, the user can stably hold and remove the container cover 10. Accordingly, it is possible to provide the container cover with enhanced user convenience.

[0059] According to an embodiment of the present disclosure, the handle part 21 is stored in folded state while storage, thereby reducing size and shape limitations. Accordingly, it is possible to manufacture the handle part 21 in various forms or shapes with the improved design degree of freedom, thereby providing the product's aesthetic effect.

[Detailed Description of Main Elements]

a height of the sidewall part.

[0060]

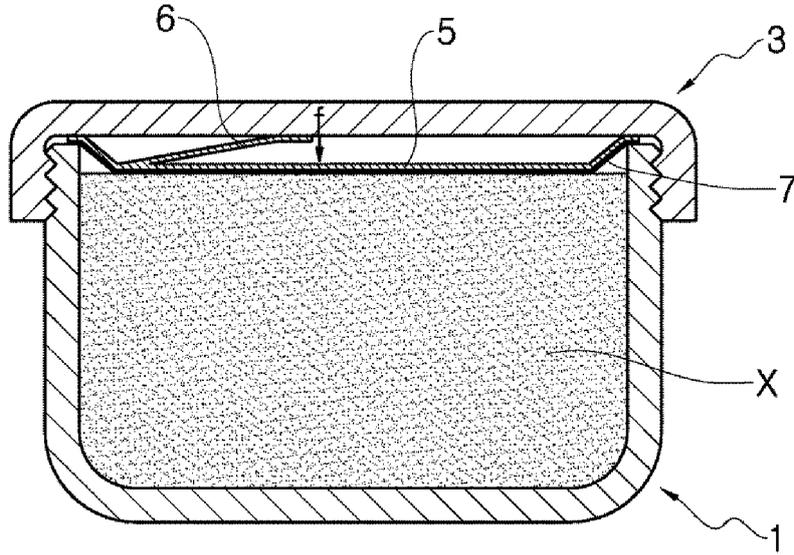
1: Lid
 3: Container
 10: Container cover
 11: Stopper
 13: Sloping sidewall
 15, 17: Bottom part
 20: Main body part
 21: Handle part
 23: Fixing part

7. The container cover according to claim 1, wherein the bottom part is divided into a first bottom part and a second bottom part lower than the first bottom part by a step, and the handle part and the fixing part are disposed in the second bottom part. 5
8. The container cover according to claim 7, wherein the main body part further includes a sidewall part extending upward from an edge of the second bottom part, and a height of the fixing part is equal to or smaller than a height of the sidewall part. 10
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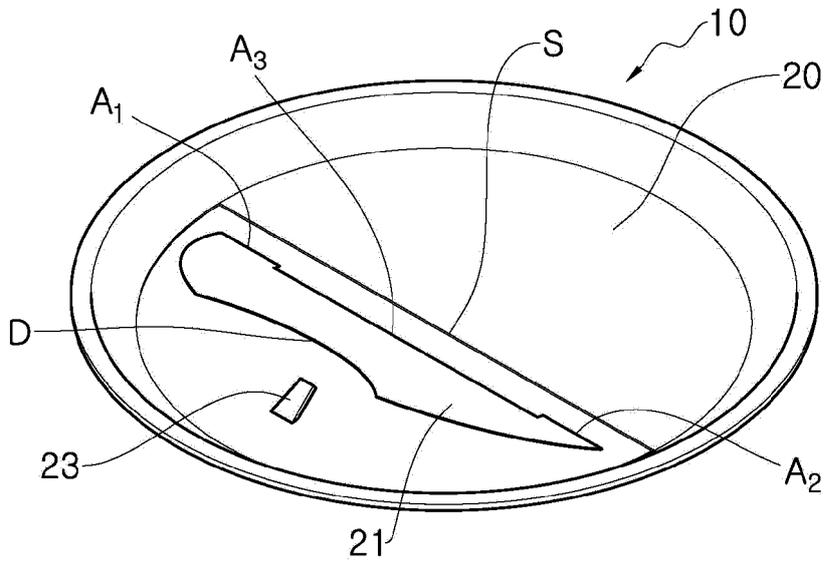
Claims

1. A container cover, comprising:
- a main body part including a bottom part; 20
 a handle part connected to an upper surface of the bottom part; and
 a fixing part connected to an upper surface of the bottom part, and spaced apart from a point at which the handle part is connected to the bottom part, so as to press a free end of the handle part downward. 25
2. The container cover according to claim 1, wherein the handle part includes: 30
- a base fixed to the upper surface of the bottom part in whole or in part;
 a pair of side parts each extending from two sides of the base in an opposite direction to the bottom part; and 35
 a concave part disposed between the pair of side parts and having a concave shape toward the bottom part. 40
3. The container cover according to claim 2, wherein the fixing part is spaced apart from the concave part, so as to press the concave part downward.
4. The container cover according to claim 1, wherein the fixing part is a cantilever inclined at a preset angle, or a protrusion or protruding piece in an angled shape, from the bottom part toward the handle part. 45
5. The container cover according to claim 1, wherein the main body part, the handle part and the fixing unit are an integrated injection molded product. 50
6. The container cover according to claim 1, wherein the main body part further includes a sidewall part extending upward from an edge of the bottom part, and a height of the fixing part is equal to or smaller than 55

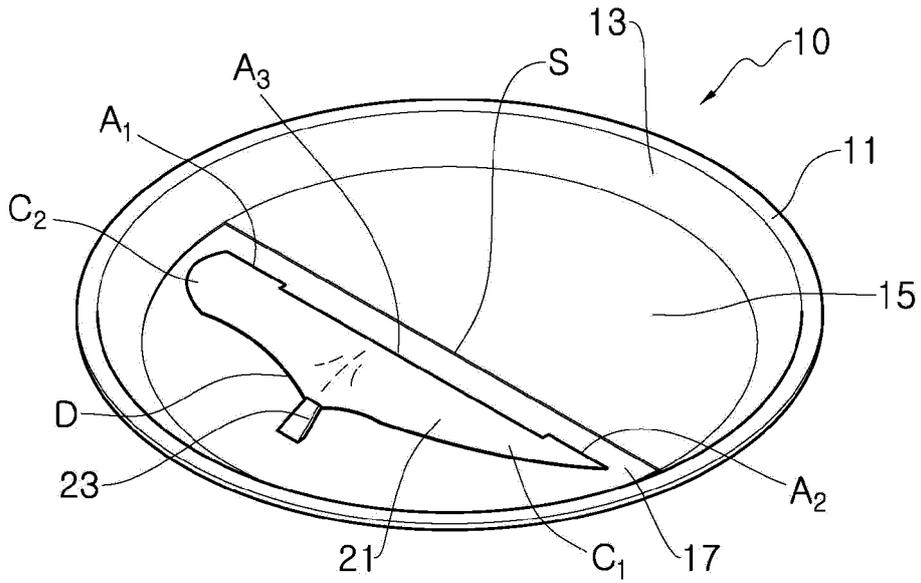
【FIG. 1】



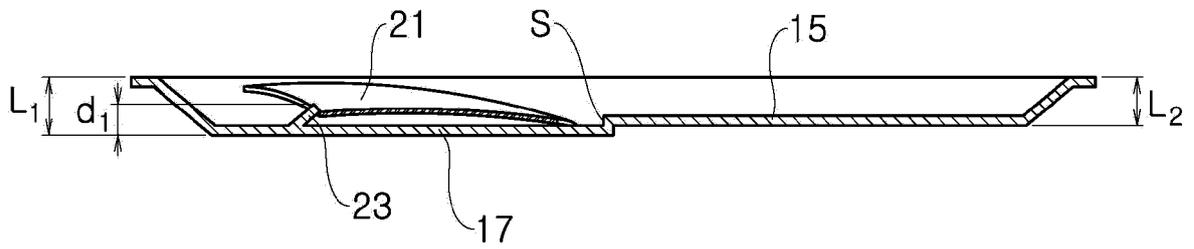
【FIG. 2】



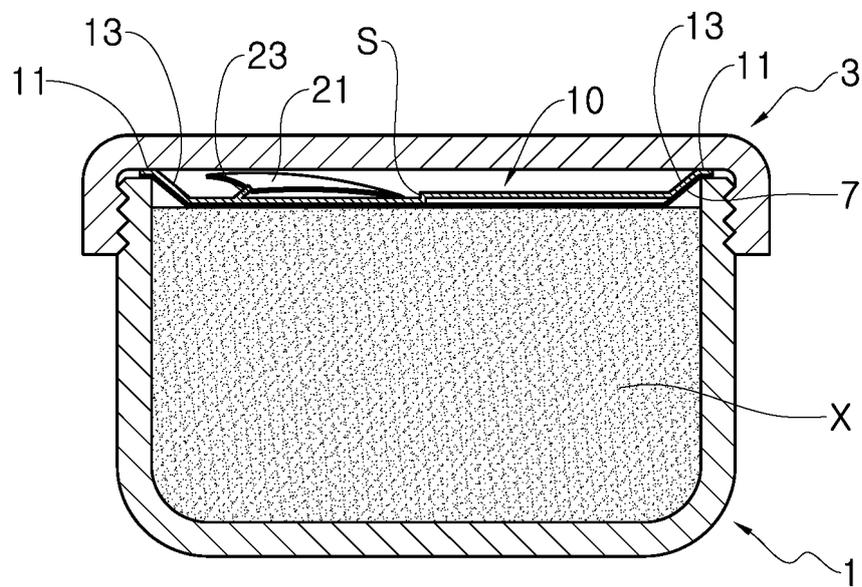
【FIG. 3】



【FIG. 4】



【FIG.5】



INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2018/014190

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A. CLASSIFICATION OF SUBJECT MATTER <i>B65D 41/18(2006.01)i, B65D 51/24(2006.01)i, B65D 41/62(2006.01)i</i> According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) B65D 41/18; A45D 40/00; A45D 40/22; A45D 40/26; B65D 53/00; B65D 53/04; B65D 51/24; B65D 41/62 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 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) eKOMPASS (KIPO internal) & Keywords: cosmetic product, container, cover, handle, fixing, step, sidewall, inclination		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
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Date of the actual completion of the international search 22 FEBRUARY 2019 (22.02.2019)	Date of mailing of the international search report 25 FEBRUARY 2019 (25.02.2019)	
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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT/KR2018/014190

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