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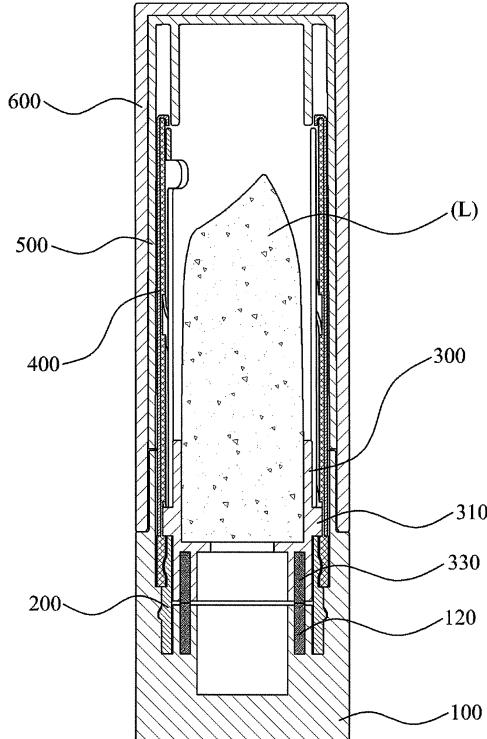
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(54) LIPSTICK CONTAINER

(57) The present invention disclosed herein relates to a lipstick container, which has a magnet and a metal, or two magnets, installed respectively at the inner side of a rotation body and the lower portion of a lipstick holder, to enable a user to easily lower the lipstick holder by a magnetic force without rotating the rotation body until the lipstick holder is lowered up to the end thereof after completely using the lipstick, thereby providing user convenience

**Fig.2**

Description**BACKGROUND OF THE INVENTION**

[0001] The present invention disclosed herein relates to a lipstick container, which has a magnet and a metal or two magnets installed respectively at the inside of a rotation body and the lower end of a lipstick holder, such that after completely using the lipstick, it is possible for a user to easily lower the lipstick holder by a magnetic force without rotating the rotation body until the lipstick holder is lowered up to the end thereof. Therefore, the present invention can provide user convenience.

[0002] Generally, a solid lipstick is configured to rotate a rotation body installed at a lower portion of the container after opening the cover thereof, and to lift up/lower a solid stick to the outside of the container. For example, when using a lipstick, firstly a user opens the cover of a container, exposes the stick to the outside by rotating a rotation body thereof, and then lowers the stick to be received into the container after using.

[0003] "A liquid lipstick container" configured as the above is disclosed in FIG. 1 of the registered utility model patent no. 20-0241614 (hereafter called as the registered utility model).

[0004] The registered utility model is configured in a way that a lipstick (2) is fitted into a lipstick holder (3), and a lipstick holder (3) is coupled to a rotation tube (5) as a fixing protrusion (4) of the lipstick holder (3) is being fitted into a spiral groove (6) formed at an interior of the rotation tube (5). A guide tube (7) is inserted between the lipstick holder (3) and the rotation tube (5), and then fitted into the rotation tube (5) by a ring-shaped protrusion (9). Meanwhile, the fixing protrusion (4) of the lipstick holder (3) is disposed inside the guide tube (7) and at the spiral groove (6) at the same time.

[0005] The registered utility model further has a structure wherein the fixing protrusion (4) fitted between the spiral groove (6) and the guide groove (8) ascends when the rotation tube (5) is rotated while holding a guide tube (7) with a hand, and thereby the lipstick (2) fitted to the lipstick holder (3) ascends together, such that it is possible to apply the lipstick onto lips. After completing applying the lipstick, the rotation tube (5) should be rotated and then continue to be rotated until the lipstick holder (3) descends up to the end in order to rotate the rotation tube (5) and lower the lipstick holder (3); therefore, there arises a problem of user's inconvenience.

SUMMARY OF THE INVENTION

[0006] The present invention is devised to solve the problems above, and its goal is to provide a lipstick container, which has a magnet and a metal or two magnets installed respectively at the inside of a rotation body and the lower end of a lipstick holder, such that after completely using the lipstick, it is possible for a user to easily lower the lipstick holder by a magnetic force without ro-

tating the rotation body until the lipstick holder is lowered up to the end thereof. Therefore, the present invention can provide user convenience.

[0007] To solve such problems described in the above, 5 a lipstick container according to the present invention comprises a lipstick holder coupled with a lipstick and supporting the lipstick, and a rotation body disposed at a lower portion of the lipstick holder and ascending/descending the lipstick holder by rotation thereof.

[0008] The lipstick container is configured to have a 10 first magnet and a second magnet installed respectively at an inner side of the rotation body and a lower portion of the lipstick holder. It is characterized that the lipstick holder is configured to descend by a magnet force from 15 the moment when the attraction force between the first magnet and the second magnet starts to act in a process that the lipstick holder is descending by rotation of the rotation body.

[0009] Furthermore, it is characterized that a first 20 insertion groove where the first magnet is inserted is installed at an upper portion of the rotation body, and a second insertion groove where the second magnet is inserted is installed at a lower portion of the lipstick holder.

[0010] Furthermore, a lipstick container comprises a 25 lipstick holder which is coupled with a lipstick and supports the lipstick, and a rotation body which is disposed at a lower portion of the lipstick holder and ascends/descends the lipstick holder by rotation thereof.

[0011] The lipstick container comprises a magnet 30 which is installed at one of either an interior of the rotation body or a lower portion of the lipstick holder and a metal which is installed at the other of either, wherein, in a process that the lipstick holder is descending by rotating the rotation body, the lipstick holder is configured to be descended by a magnetic force from the moment when an magnetic attraction force of the metal starts to act.

[0012] Furthermore, it is characterized that a first 35 insertion groove having a magnet or a metal inserted is provided at an upper portion of the rotation body, and a second insertion groove having a magnet or a metal inserted is provided at an upper portion of the rotation body.

[0013] As described above, the present invention has 40 an advantage wherein a lipstick container, which has a magnet and a metal or two magnets installed respectively at the inside of a rotation body and the lower end part of a lipstick holder, such that after completely using the lipstick, it is possible for a user to easily lower the lipstick holder by a magnetic force without rotating the rotation body until the lipstick holder is lowered up to the end 45 thereof. Therefore, the present invention can provide user convenience.

BRIEF DESCRIPTION OF THE DRAWINGS

55 [0014]

FIG. 1 is an exploded perspective view illustrating a configuration of a lipstick container according to an

exemplary embodiment of the present invention.

FIG. 2 a cross-sectional view illustrating a configuration of a lipstick container according to an exemplary embodiment of the present invention.

FIG. 3 is a view illustrating an state where a first magnet is coupled to a rotation body of a lipstick container according to an exemplary embodiment of the present invention.

FIG. 4 is a view illustrating a state where a second magnet is coupled to a lipstick holder of a lipstick container according to an exemplary embodiment of the present invention.

FIG. 5 to 7 are views illustrating an operational process of a lipstick container according to an exemplary embodiment of the present invention.

DETAILED DESCRIPTION OF PREFERRED EMBODIMENTS

[0015] 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.

[0016] FIG. 1 is an exploded perspective view illustrating a configuration of a lipstick container according to an exemplary embodiment of the present invention. FIG. 2 a cross-sectional view illustrating a configuration of a lipstick container according to an exemplary embodiment of the present invention.

[0017] FIG. 3 is a view illustrating an state where a first magnet is coupled to a rotation body of a lipstick container according to an exemplary embodiment of the present invention. FIG. 4 is a view illustrating a state where a second magnet is coupled to a lipstick holder of a lipstick container according to an exemplary embodiment of the present invention.

[0018] Referring to FIGS 1 to 4, a lipstick container according to an exemplary embodiment of the present invention comprises: a rotation body 100 which is disposed at a lower portion of a lipstick holder 300 and ascends/descends the lipstick holder 300 by rotation; a guide tube 400 wherein a spiral groove 410 is formed such that a guide protrusion 310 of the lipstick holder 300 can be guided; a rotation tube 200 which is disposed at an interior of the guide tube 400 and equips a vertical guide groove 210 where a guide protrusion 310 of the lipstick holder 300 is guided vertically in a upward and downward direction; a lipstick holder 300, where a lipstick (L) is mounted, including a guide protrusion 310 disposed at the vertical guide groove 210 of the rotation tube 200 and the spiral groove 410 of the guide tube 400; a lipstick receiving tube 500, coupled encasing the guide tube 400, where the lipstick (L) is inserted and withdrawn when a user rotates the rotation body 100 while gripping; and over cap 600 which encases the lipstick receiving tube 500 and is coupled detachably to the rotation body 100. The structure combining the rotation body 100, the ro-

tation tube 200, the lipstick holder 300, the guide tube 400, the lipstick receiving tube 500 and the over cap 600 is a prior art which the present invention belongs to; therefore, detailed description will be omitted. Hereafter, the structure that the lipstick holder 300 descends according to a rotation of the rotation body 100 will be described.

[0019] In the present invention, it is characterized that a first magnet 120 is provided at an inner side surface of the rotation body 100 such that the lipstick holder 300 can be lowered by a magnetic force, and a first insertion groove 110, where a first magnet 120 is inserted, is formed therein such that the first magnet 120 is able to be fixed firmly.

[0020] The first magnet 120 lowers a lipstick holder 300 by an attraction force with a second magnet 330 which is formed at a lower portion of the lipstick holder 300 in a process when a guide protrusion 310 of the lipstick holder 300 descends along a vertical guide groove 210 and a spiral groove 410 by rotation of the rotation body 100. An attraction force between the first magnet 120 and the second magnet 330 does not act due to the separated distance thereof when the lipstick holder is placed at a top dead point, and then the lipstick holder 300 descends by a magnetic force from the moment the attraction force between the first magnet 120 and the second magnet 330 acts after the lipstick holder 300 descends to the predetermined distance by rotation of the rotation body 100. Due to this, only until the moment when the attraction force between the first magnet 120 and the second magnet 330, when rotating the rotation body 100,

the rotation body 100 rotates automatically and thereby the lipstick holder 300 descends as the second magnet 330 moves to a direction of the first magnet 120 by a magnetic force. Therefore, a user does not need to keep rotating the rotation body 100 in order to lower the lipstick holder 300 to the end, which brings user convenience.

[0021] Meanwhile, the lipstick holder 300, which is coupled with a lipstick (L) and supports the lipstick (L), comprises a pair of guide protrusions 310 at both of an outer circumferential surface thereof which moves along a vertical groove 210 of a rotation tube 200 and a spiral groove 410 of a guide tube 400. The present invention has a feature in that a second magnet 330 is installed at a lower portion of the lipstick holder 300 and is possible to descend by a magnetic force. A second insertion groove 320 where the second magnet 330 is inserted is formed therein such that the second magnet 330 can be fixed firmly.

[0022] The second magnet 330 rotates the rotation body 100 and lowers the lipstick holder 300 by an attraction force with the first magnet 120 inserted to a first insertion groove 110 of the rotation body 100 while a guide protrusion 310 of the lipstick holder 300 is descending along a vertical guide groove 210 and a spiral groove 410.

[0023] Meanwhile, in the above, it was described that a first magnet 120 and a second magnet 330 are inserted respectively into a first insertion groove 110 and a second insertion groove 320, and thereby a lipstick holder 300

descends by an attraction force between the first magnet 120 and the second magnet 330. However, it is also possible that a magnet is inserted into one of either the first insertion groove 110 or the second insertion groove 320 and a metal is inserted into the other to rotate a rotation body 100, such that the lipstick holder 300 can be lowered by a magnetic force from the moment when an magnetic force starts to act to the metal while the lipstick holder 300 is descending.

[0024] Hereinafter, referring FIGS. 5 to 7, an operational process of a lipstick container according to an exemplary embodiment of the present invention will be explained.

[0025] Referring to FIGS. 5 to 7, firstly, when a rotation body 100 is rotated to one side direction while a lipstick receiving tube 500 is gripped with one hand, a guide protrusion 310 ascends along a vertical guide groove 210 and a spiral groove 410, and due to this, the lipstick (L) is exposed to the outside and will be ready to be used. At this moment, a first magnet 120 and a second magnet 330 stay separated each other.

[0026] Next, when the rotation body 100 is rotated to the other side direction, the guide protrusion 310 of the lipstick holder 300 descends along the vertical guide groove 210 and the spiral groove 410. Due to this, the lipstick (L) gets inserted to the interior of the lipstick receiving tube 500. When the lipstick holder 300 descends in a predetermined distance while descending, an attraction force arises between the first magnet 120 and the second magnet 330 as the distance between the first magnet 120 and the second magnet 330 gets narrower, and thereby the lipstick holder 300 gets to descend by a magnetic force of the first magnet 120 and the second magnetic force 330.

[0027] In the present invention, without keeping rotating the rotation body 100 in order to lowering the lipstick holder 300 to the end, if the rotation body 100 is rotated only until the point when the attraction force between the first magnet 120 and the second magnet 330 acts, the lipstick holder 300 descends automatically by a magnetic force of the first magnet 120 and the second magnet 330. Therefore, a user can easily insert the lipstick (L) into the lipstick receiving tube 500. In addition, it is possible to fundamentally prevent a breakage e.g. crush of the lipstick (L) which may be caused by coupling an over cap 600 to the rotation body 100 without descending the lipstick holder 300 to the end.

Claims

1. A lipstick container comprising:

a lipstick holder (300) coupled with a lipstick and supporting the lipstick; and a rotation body (100) disposed at a lower portion of the lipstick holder (300) and ascending/descending the lipstick holder (300) by rotation

thereof,

wherein a first magnet (120) and a second magnet (330) are installed respectively at an inner side of the rotation body (100) and at a lower portion of the lipstick holder (300), wherein, while the lipstick holder (300) is descending, the lipstick holder (300) descends by a magnetic force from the moment when an attraction force between the first magnet (120) and the second magnet (330) acts.

2. The lipstick container of claim 1, wherein a first insertion groove (110) in which the first magnet (120) is inserted is formed at an upper portion of the rotation body (100), and a second insertion groove (320) in which the second magnet (330) is inserted is formed at a lower portion of the lipstick holder (300).
3. The lipstick holder (300) coupled with a lipstick and supporting the lipstick; and a rotation body (100) disposed at a lower portion of the lipstick holder (300) and ascending/descending the lipstick holder (300) by rotation thereof, wherein a magnet is installed at one of either the inner side of the rotation body (100) or the lower portion of the lipstick holder (300), and a metal is installed at the other of either, wherein, while the lipstick holder (300) is descending, the lipstick holder (300) descends by a magnetic force from the moment when an attraction force between the magnet and the metal acts
4. The lipstick container of claim 3, wherein a first insertion groove (110) in which a magnet or a metal is inserted is formed at an upper portion of the rotation body (100), and a second insertion groove (320) in which the magnet or the metal is inserted is formed at a lower portion of the lipstick holder (300).

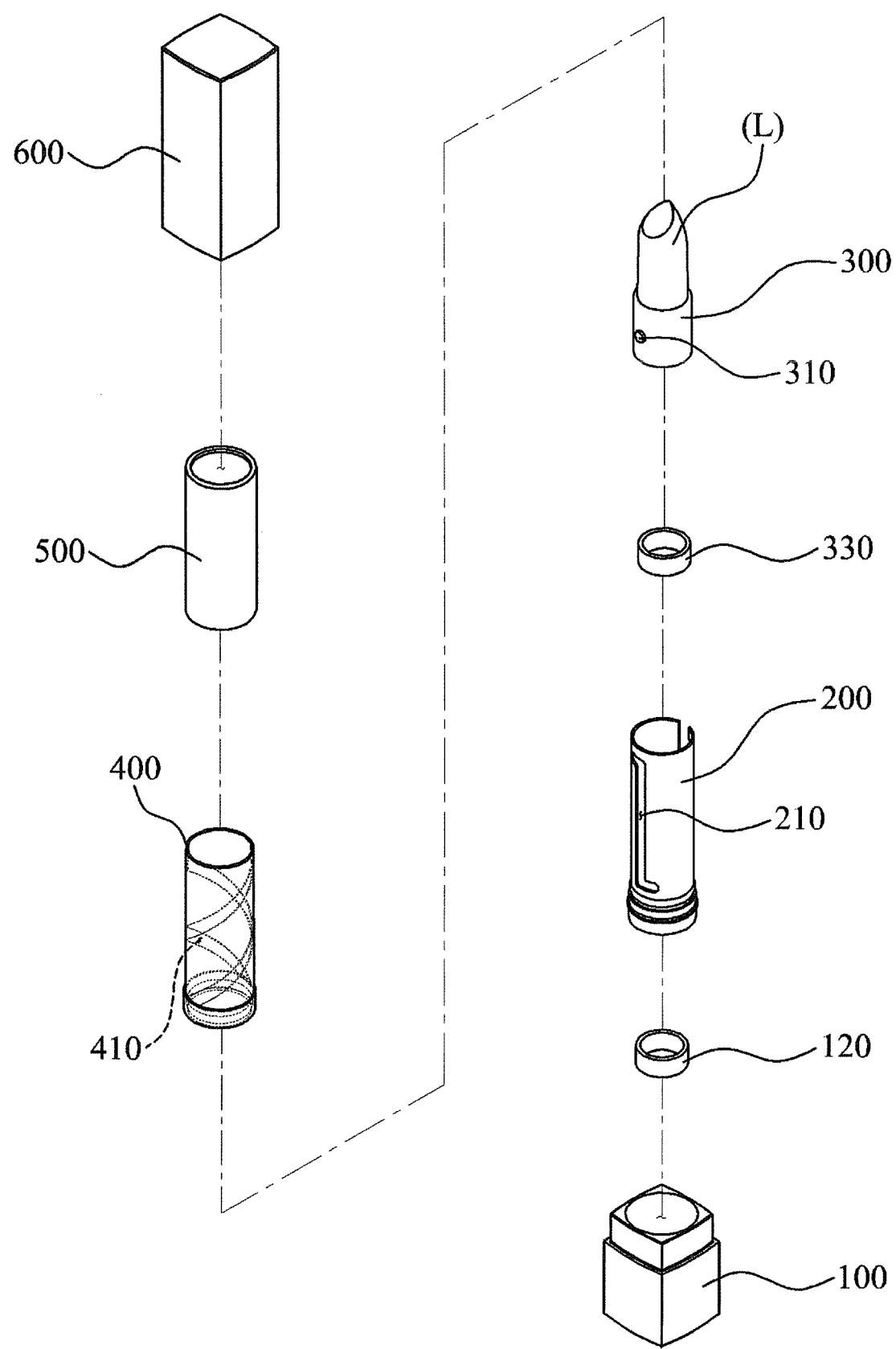


Fig.1

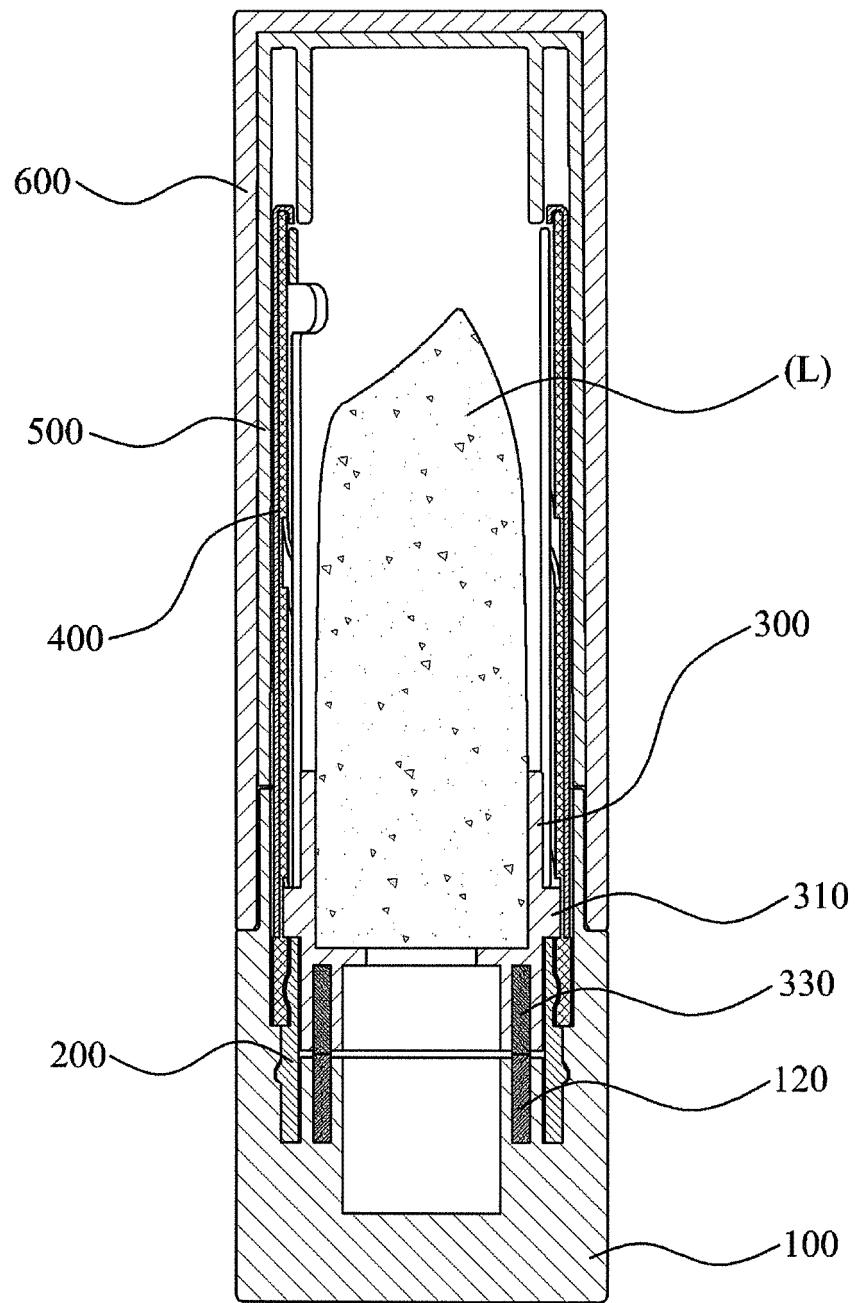


Fig.2

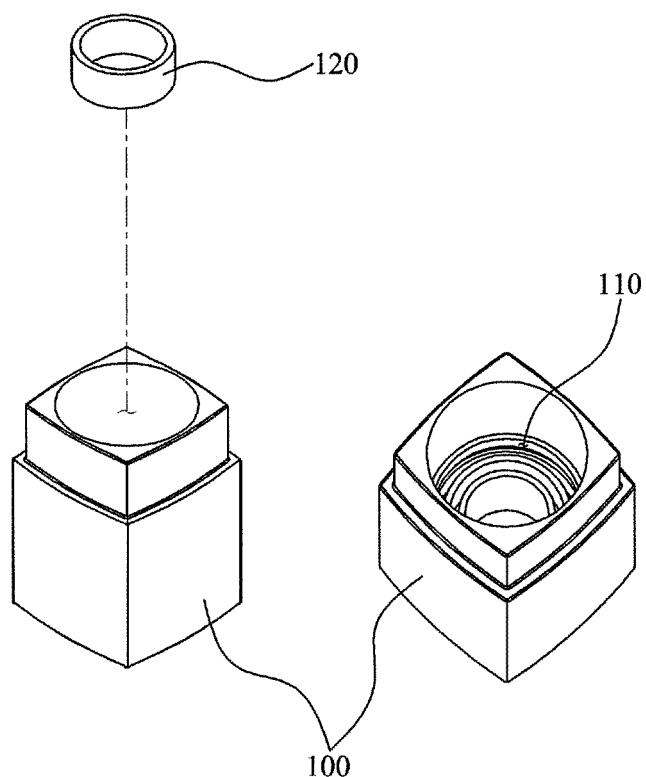


Fig.3

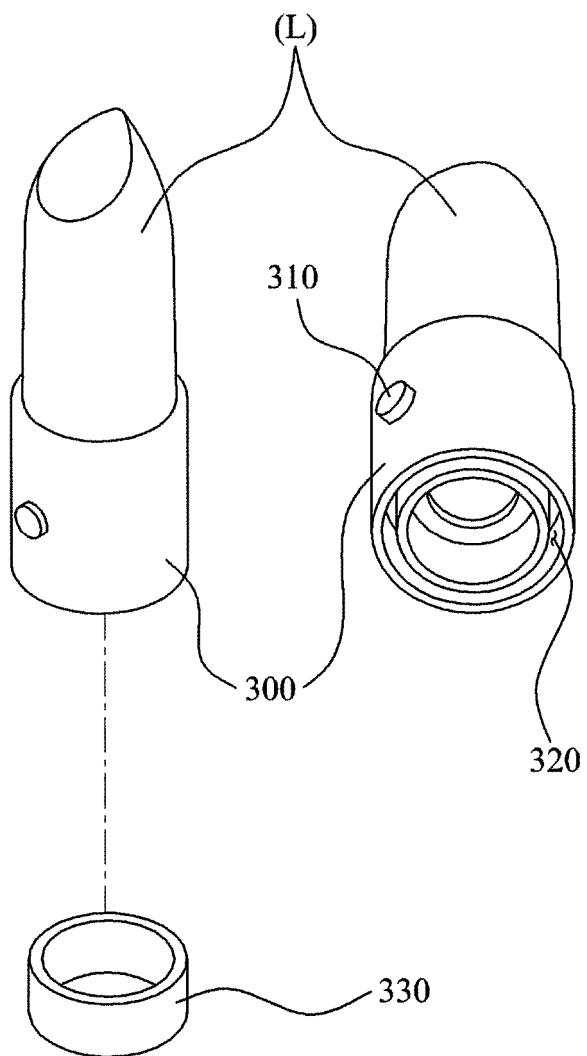


Fig.4

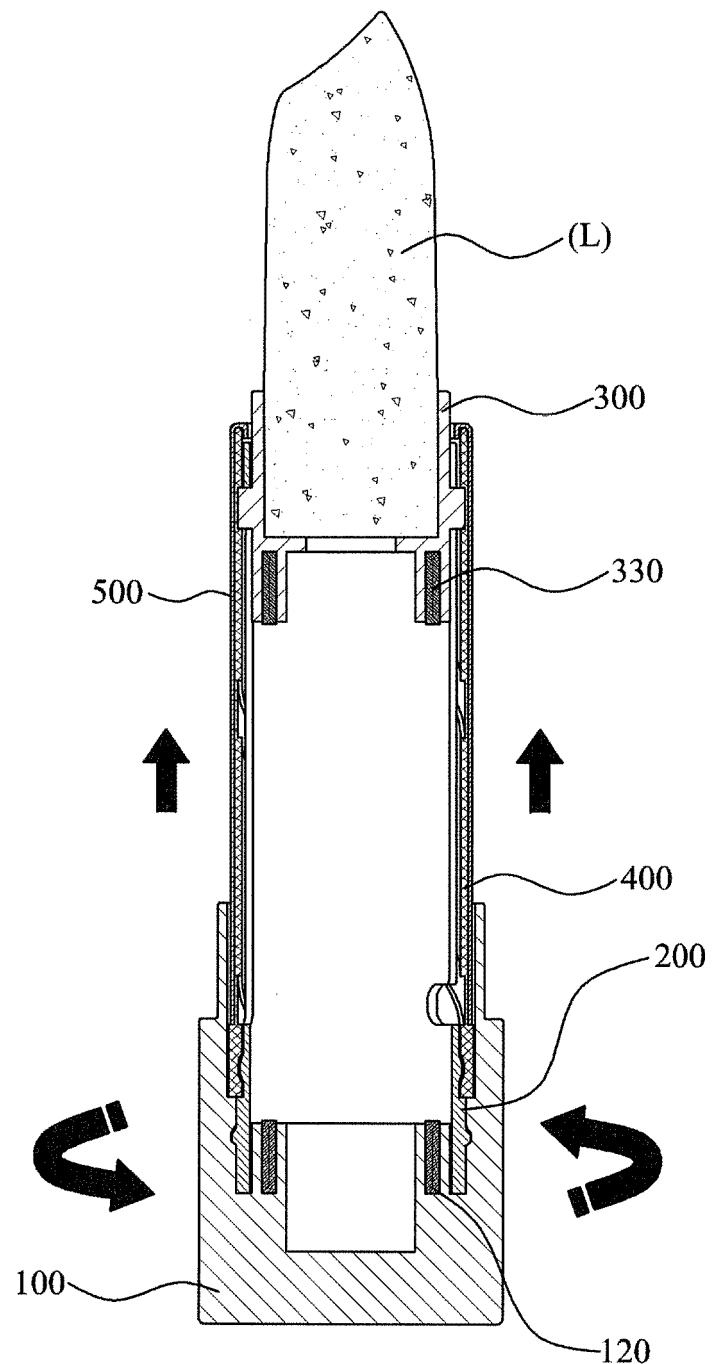


Fig.5

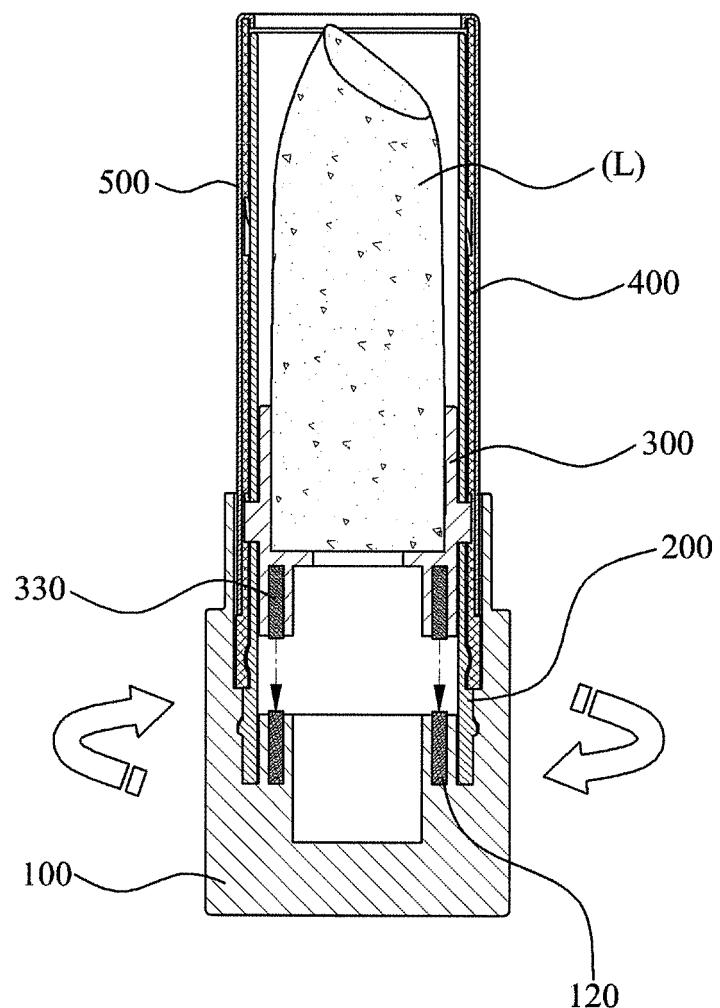


Fig.6

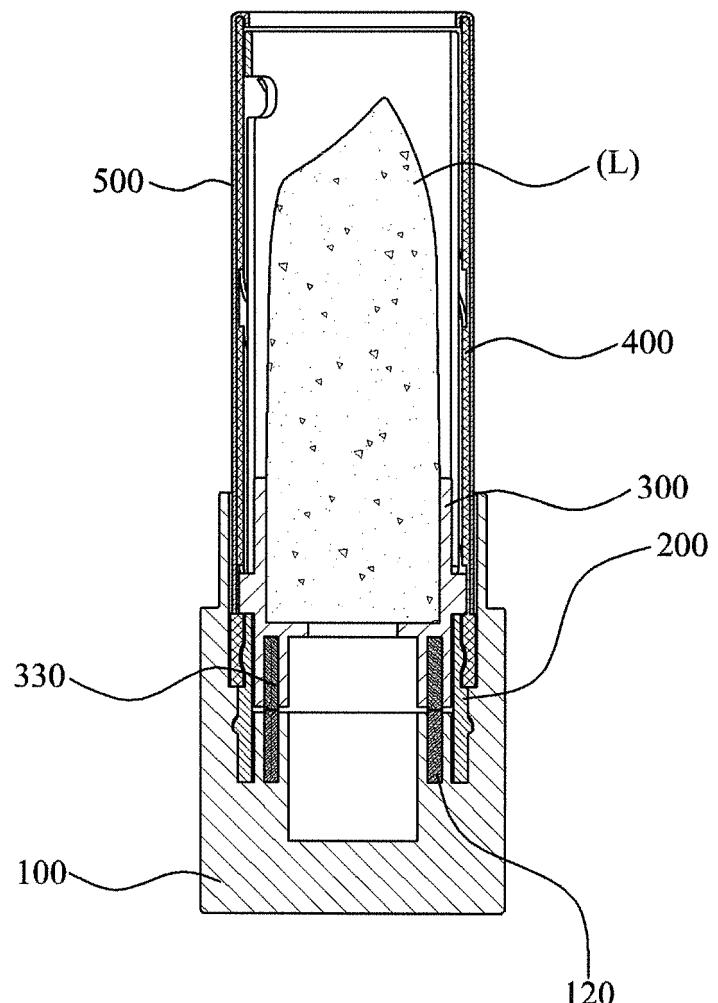


Fig.7

INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2015/004841

5	A. CLASSIFICATION OF SUBJECT MATTER A45D 40/06(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 40/06; A45D 40/02; A45D 40/00; A45D 33/20; A45D 40/10; A45D 33/18	
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	
20	Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) eKOMPASS (KIPO internal) & Keywords: lipstick, case, rise, falling, magnet, rotation, holder	
25	C. DOCUMENTS CONSIDERED TO BE RELEVANT	
30	Category*	Citation of document, with indication, where appropriate, of the relevant passages
35	A	JP 2013-172888 A (HIDAN CO., LTD.) 05 September 2013 See abstract, claim 1 and figures 1, 3.
40	A	KR 10-2009-0100049 A (JUNG, Gyun Hyung) 23 September 2009 See abstract, claims 1, 4 and figures 1, 2.
45	A	KR 20-2014-0002991 U (VIOLET DREAM INC.) 21 May 2014 See abstract, claims 1-4 and figures 1-3.
50	A	KR 20-0352858 Y1 (HONG, Woo Sik) 12 June 2004 See abstract, claim 1 and figures 1, 2.
55	<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.	
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "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) "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		
Date of the actual completion of the international search 01 JULY 2015 (01.07.2015)		Date of mailing of the international search report 01 JULY 2015 (01.07.2015)
Name and mailing address of the ISA/KR  Korean Intellectual Property Office Government Complex-Daejeon, 189 Seonsa-ro, Daejeon 302-701, Republic of Korea Facsimile No. 82-42-472-7140		Authorized officer Telephone No.

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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT/KR2015/004841

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Form PCT/ISA/210 (patent family annex) (July 2009)

REFERENCES CITED IN THE DESCRIPTION

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