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(54) **REPLACEABLE MAKEUP MATERIAL CONTAINER**

(57) A replaceable makeup material container, comprising a sleeve-shaped brush sleeve seat (1), an application tip member (2) and a double-cap member (3), the application tip member (2) being fixed on the front end of the brush sleeve seat (1); the application tip member (2) comprising a diverter seat (21), a porous diversion core (22) and a porous tip (23); the rear-opening end of the brush sleeve seat (1) being provided with a coupling member (4), a first makeup material receptacle (5) being formed between the coupling member (4) and the tail end of the brush sleeve seat (1) and the rear end of the diverter seat (21), and the porous diversion core(22) being arranged in the diverter seat (21), such that the rear end thereof protrudes into the first makeup material receptacle (5). By means of providing a removable bottle body (6) and providing as pare bottle body (10), the brush sleeve seat (1), the diverter seat(21), the diversion core (22), and the double-cap member (3) can be reused.

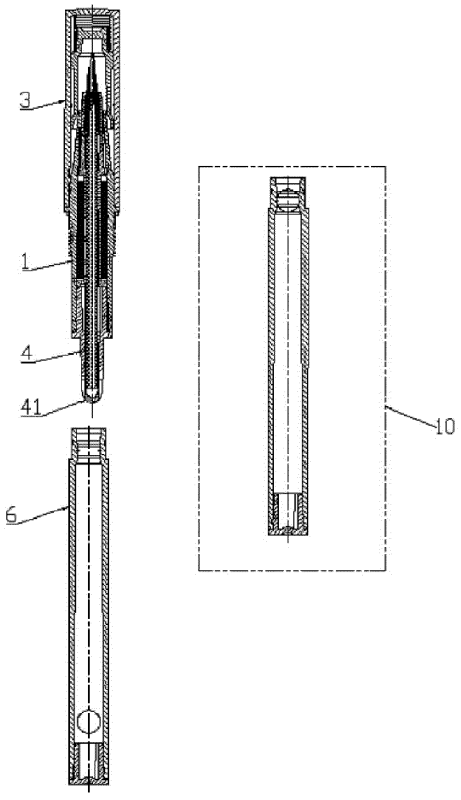

FIG. 2

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Description

[0001] This disclosure relates to a replaceable cosmetic container that can coat cosmetics such as eyeliner on the face.

[0002] With the development of economy and the improvement of people's living standard, people, especially women, pay more and more attention to their image and health. Thus, the cosmetics are frequently used. Conventional cosmetics including eyelash brushes, eyeliners, and lip brushes are disposable, when the cosmetic liquid therein is used up, they are discarded and cannot be reused, which leads to the waste of the resources, and increases the financial burden of the users.

[0003] To overcome the above defects, the disclosure provides a replaceable cosmetic container. The material bottle of the container can be replaced after the cosmetic material is used up, thus reducing resource waste and economic burden of the users.

[0004] The disclosure provides a cosmetic container, comprising: a sleeve base, an application part, a double cap part, a connector, and a bottle body. The sleeve base comprises a first open end and a second open end. The application part is fixed on the first open end of the sleeve base. The double cap part is detachably sleeved on an outer peripheral surface of the first open end. The application part comprises: a diverter seat, a porous guide rod, and a porous head. The diverter seat comprises a head end, a tail end, an axial hole, and a plurality of circumferential grooves. The porous guide rod is inserted in the axial hole and communicates with the plurality of circumferential grooves. The porous head is disposed on the head end of the porous guide rod and communicates with the axial hole of the diverter seat. The connector is connected to the second open end of the sleeve base. The connector, the second open end of the sleeve base, and the tail end of the diverter seat defines a first storage chamber. The porous guide rod is disposed in the diverter seat, and one end of the porous guide rod extends into the first storage chamber. The bottle body is detachably fixed on the second open end of the sleeve base, and comprises a second storage chamber; and the connector comprises a feed inlet disposed in the second storage chamber.

[0005] As an improvement, the connector can comprise a first part, a second part, and a convex rib disposed between the first part and the second part. The first part of the connector can be in threaded connection to the sleeve base, and the first part butts against the tail end of the diverter seat.

[0006] As an improvement, the double cap part can comprise an outer cap, an inner cap, and a compression helical spring. The inner cap can be disposed in the outer cap, and the compression helical spring can be disposed between the inner cap and the outer cap. When the double cap part is sleeved on the sleeve base, the inner cap linearly contacts the outer peripheral surface of the first open end of the sleeve base, achieving the sealing effect.

[0007] As an improvement, the bottle body can comprise an open end and a tail end; a steel ball can be disposed in the open end, and a plug can be disposed on the tail end. When the bottle body is mounted on the tail end of the sleeve base, the feed inlet pushes the steel ball to fall in the second storage chamber of the bottle body.

[0008] As an improvement, the bottle body can be in threaded connection to the diverter seat.

[0009] As an improvement, the porous head can be equipped with a brush and a brush sleeve.

[0010] Advantages of the cosmetic container according to embodiments of the disclosure are summarized as follows. The cosmetic container comprises a detachable bottle body. When the cosmetic material in the bottle body is used up, the bottle body can be directly replaced by a new one filled with cosmetic material, so that the sleeve base, the application part, the double cap part, and the connector are reused.

[0011] FIG. 1 is a schematic diagram of a cosmetic container as described in the disclosure; and

[0012] FIG. 2 is a replacement diagram of a bottle body of a cosmetic container as described in the disclosure.

[0013] In the drawings, the following reference numbers are used: 1. Sleeve base; 2. Application part; 3. Double cap part; 4. Connector; 5. First storage chamber; 6. Bottle body; 11. First open end; 12. Second open end; 21. Diverter seat; 22. Porous guide rod; 23. Porous head; 31. Outer cap; 32. Inner cap; 33. Compression helical spring; 41. Feed inlet; 61. Second storage chamber; 62. Plug; 63. Steel ball; 24. Brush; 25. Brush sleeve; 10. Bottle substitute.

[0014] To further illustrate, embodiments detailing a cosmetic container are described below. It should be noted that the following embodiments are intended to describe and not to limit the disclosure.

[0015] Referring to FIGS. 1 and 2, provided is a cosmetic container comprising a sleeve base 1, an application part 2, a double cap part 3, a connector 4, and a bottle body 6. The sleeve base 1 comprises a first open end 11 and a second open end 12. The application part 2 is fixed on the first open end 11 of the sleeve base 1. The double cap part 3 is detachably sleeved on an outer peripheral surface of the first open end 11. The application part 2 comprises: a diverter seat 21, a porous guide rod 22, and a porous head 23; the diverter seat 21 comprises a head end, a tail end, an axial hole, and a plurality of circumferential grooves. The porous guide rod 22 is inserted in the axial hole and communicates with the plurality of circumferential grooves; the porous head 23 is disposed on the head end of the porous guide rod 22 and communicates with the axial hole of the diverter seat 21. The connector 4 is connected to the second open end 12 of the sleeve base 1; the connector 4, the second open end 12 of the sleeve base 1, and the tail end of the diverter seat 21 defines a first storage chamber 5; the porous guide rod 22 is disposed in the diverter seat 21, and one end of the porous guide rod 22 extends into the

first storage chamber 5. Conventionally, when the cosmetic container is placed vertically relative to the ground, due to the gravity, the liquid cosmetic material flows downwards and separates from the porous guide rod; after a certain time, the brush and the porous guide rod become dry. In addition, in use, the application part is oriented upwards and the bottle body downwards, and the liquid cosmetic material tends to flow downwards and separate from the porous guide rod. This leads to the discontinuity of the cosmetic essence and the change of the color (deep or light). In this design of the disclosure, the arrangement of the first storage chamber can ensure that the liquid cosmetic material always contacts the porous guide rod, thus preventing the discontinuity of the cosmetic essence and the color change. The bottle body 6 is detachably fixed on the second open end 12 of the sleeve base 1, and comprises a second storage chamber 61. The connector 4 comprises a feed inlet 41 disposed in the second storage chamber 61.

[0016] The connector 4 comprises a first part, a second part, and a convex rib disposed between the first part and the second part; and the first part of the connector is in threaded connection to the sleeve base, and the first part butts against the tail end of the diverter seat. The double cap part 3 comprises an outer cap 31, an inner cap 32, and a compression helical spring 33; the inner cap 32 is disposed in the outer cap 31, and the compression helical spring 33 is disposed between the inner cap and the outer cap. When the double cap part is sleeved on the sleeve base, the inner cap linearly contacts the outer peripheral surface of the first open end of the sleeve base, achieving the sealing effect. The bottle body comprises an open end and a tail end; a steel ball 63 is disposed in the open end, and a plug 62 is disposed on the tail end. When the bottle body is mounted on the tail end of the sleeve base, the feed inlet 41 pushes the steel ball 63 to fall in the second storage chamber of the bottle body. The bottle body is in threaded connection to the diverter seat 21. The porous head 23 is equipped with a brush 24 and a brush sleeve 25.

[0017] In this embodiment, the bottle body is detachably fixed on the sleeve base. When the cosmetic material is used up, as shown in FIG. 1, a bottle substitute 10 filled with cosmetic material is employed to substitute for the old one, so that the sleeve base, the application part, the double cap part, and the connector can be used repeatedly. This reduces the cost of usage over lifetime of the cosmetic container.

[0018] The cosmetic container comprises a detachable bottle body. When the cosmetic material in the bottle body is used up, the bottle body can be directly replaced by a new one filled with cosmetic material, so that the sleeve base, the application part, the double cap part, and the connector are reused, thus reducing resource waste and economic burden of the users.

Claims

1. A cosmetic container, **characterized by** comprising: a sleeve base (1), an application part (2), a double cap part (3), a connector (4), and a bottle body (6); wherein:

   the sleeve base comprises a first open end (11) and a second open end (12);
   the application part is fixed on the first open end of the sleeve base;
   the double cap part is detachably sleeved on an outer peripheral surface of the first open end;
   the application part comprises: a diverter seat (21), a porous guide rod (22), and a porous head (23); the diverter seat comprises a head end, a tail end, an axial hole, and a plurality of circumferential grooves; the porous guide rod is inserted in the axial hole and communicates with the plurality of circumferential grooves; the porous head is disposed on the head end of the porous guide rod and communicates with the axial hole of the diverter seat;
   the connector (4) is connected to the second open end of the sleeve base;
   the connector, the second open end of the sleeve base, and the tail end of the diverter seat defines a first storage chamber (5);
   the porous guide rod is disposed in the diverter seat, and one end of the porous guide rod extends into the first storage chamber;
   the bottle body is detachably fixed on the second open end of the sleeve base, and comprises a second storage chamber (61); and
   the connector comprises a feed inlet (41) disposed in the second storage chamber.

2. The cosmetic container of claim 1, **characterized in that**
   the connector comprises a first part, a second part, and a convex rib disposed between the first part and the second part; and
   the first part of the connector is in threaded connection to the sleeve base, and the first part butts against the tail end of the diverter seat.

3. The cosmetic container of claim 1, **characterized in that** the double cap part comprises an outer cap (31), an inner cap (32), and a compression helical spring (33); the inner cap is disposed in the outer cap, and the compression helical spring is disposed between the inner cap and the outer cap.

4. The cosmetic container of claim 1, **characterized in that** the bottle body comprises an open end and a tail end; a steel ball (63) is disposed in the open end, and a plug (62) is disposed on the tail end.

5. The cosmetic container of claim 1, **characterized in that** the bottle body is in threaded connection to the diverter seat.

6. The cosmetic container of claim 1, **characterized in that** the porous head (23) is equipped with a brush (24) and a brush sleeve (25).

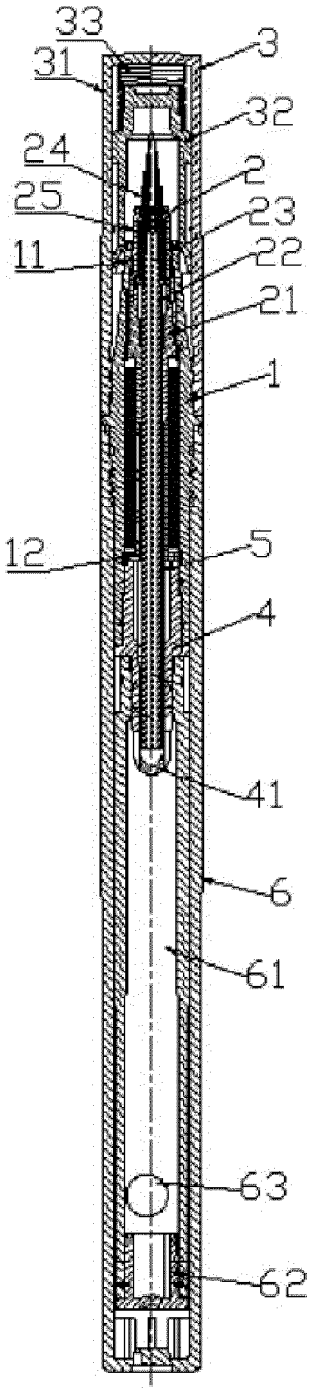

FIG. 1

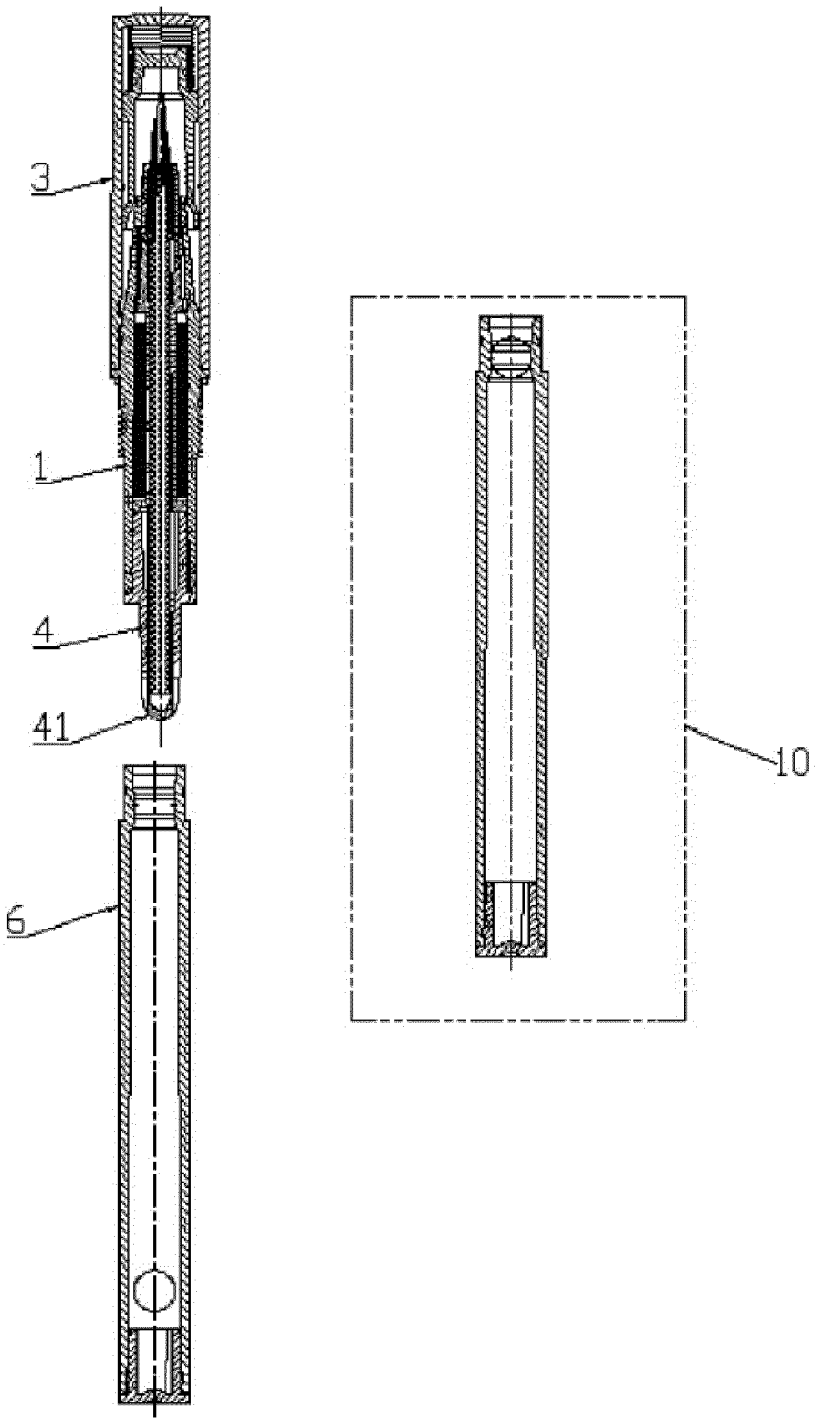

FIG. 2

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CN2016/103484

A. CLASSIFICATION OF SUBJECT MATTER

A45D 34/04 (2006.01) i; A45D 34/00 (2006.01) 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)

A45D 34/04; A45D 34/00; A45D 33; A45D 34; A45D 40

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CNABS, VEN: divert water, bottle, displac+, replac+, substitut+, water, lead+, diver+

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	CN 102669919 A (SUZHOU QIAXING PLASTIC CO., LTD.) 19 September 2012 (19.09.2012) description, paragraphs [0024]-[0030], and figures 1-5	1-6
A	CN 201977025 U (SUZHOU QIAXING PLASTIC CO., LTD.) 21 September 2011 (21.09.2011) the whole document	1-6
A	CN 105361403 A (SHYA HSIN PACKAGING INDUSTRY (CHINA) CO., LTD.) 02 March 2016 (02.03.2016) the whole document	1-6
A	CN 204032630 U (SHYA HSIN PACKAGING INDUSTRY (CHINA) CO., LTD.) 24 December 2014 (24.12.2014) the whole document	1-6
A	CN 202980693 U (HE, Ruisheng) 12 June 2013 (12.06.2013) the whole document	1-6
A	CN 202262581 U (ZHANG, Jinfan) 06 June 2012 (06.06.2012) the whole document	1-6

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

* Special categories of cited documents:

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"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&"document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
19 December 2016	09 January 2017
Name and mailing address of the ISA State Intellectual Property Office of the P. R. China No. 6, Xitucheng Road, Jimenqiao Haidian District, Beijing 100088, China Facsimile No. (86-10) 62019451	Authorized officer SUN, Yi Telephone No. (86-10) 62085580

Form PCT/ISA /210 (second sheet) (July 2009)

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/CN2016/103484

Patent Documents referred in the Report	Publication Date	Patent Family	Publication Date
CN 102669919 A	19 September 2012	None	
CN 201977025 U	21 September 2011	None	
CN 105361403 A	02 March 2016	None	
CN 204032630 U	24 December 2014	None	
CN 202980693 U	12 June 2013	TW M427841 U	01 May 2012
CN 202262581 U	06 June 2012	None	

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