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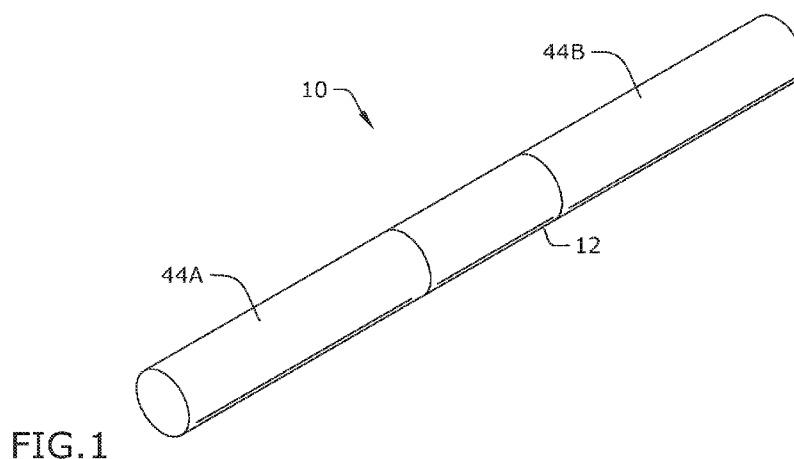
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(54) Title: MAKEUP APPLICATOR



(57) Abstract: This invention relates to devices that apply makeup to an upper eye region and a lower eye region around a human eye. Previously, applying an eyeliner design on both eyes in a symmetric fashion required a lot of experience and skills. Embodiments of the present invention use a central handle (12) further connected to a first tapered arm (14A). A central cavity (16) is formed within the first tapered arm and the central handle. A first support cavity (18A) is formed within the first tapered arm. A first wing opening (20A) is formed at a distal end of the first tapered arm. A first applicator (22A) fills the first wing opening, the first support cavity and some of the central cavity. Makeup (40) fills the central cavity. The makeup is absorbed onto the first applicator in order to be applied to the upper eye region.

MAKEUP APPLICATOR**TECHNICAL FIELD**

[0001] The embodiments herein relate generally to make up devices.

BACKGROUND ART

[0002] Prior to embodiments of the disclosed invention, applying an eyeliner design (wings, swirls, etc.) on both eyes in a symmetric fashion required a lot of experience and skills. Some endeavors in this field include: U.S. Patent Application 2015/0083158 issued to Abraham; U.S. Patent 8,939,159 issued to Yeo; and U.S. Patent 7,334,586 issued to Pilmanis. Abraham teaches a pen with a body having a single end with a single applicator. Yeo teaches an eyeliner guide with a wing. Pilmanis uses a stamp. However, none of these teach a pen with a central cavity to disperse makeup to two applicators. Embodiments of the disclosed invention solve this problem.

DISCLOSURE OF THE INVENTION

[0003] A makeup applicator is configured to apply makeup to an upper eye region and a lower eye region around a human eye. The makeup applicator has a central handle further connected to a first tapered arm. A central cavity is formed within the first tapered arm and the central handle. A first support cavity is formed within the first tapered arm. A first wing opening is formed at a distal end of the first tapered arm. A first applicator fills the first wing opening, the first support cavity and some of the central cavity. Makeup fills the central cavity. The makeup is absorbed onto the first applicator in order to be applied to the upper eye region.

BRIEF DESCRIPTION OF THE FIGURES

[0004] Figure 1 shows a perspective view of one embodiment of the present invention;

[0005] Figure 2 shows an assembly view of one embodiment of the present invention;

[0006] Figure 3 shows a front perspective view of one embodiment of the present invention;

[0007] Figure 4 shows a top perspective view of one embodiment of the present invention;

[0008] Figure 5 shows a rear perspective view of one embodiment of the present invention;

[0009] Figure 6 shows a bottom perspective view of one embodiment of the present invention;

[0010] Figure 7 shows a rear perspective view of one embodiment of the present invention shown in use;

[0011] Figure 8 shows a section view of one embodiment of the present invention taken along line 8-8 in Figure 7; and

[0012] Figure 9 shows a rear perspective view of one embodiment of the present invention shown in use.

[0013] Figure 10 shows a section view of one embodiment of the present invention.

BEST MODE OF THE INVENTION

[0014] By way of example, and referring to Figure 1, one embodiment of the make-up applicator 10 comprises central handle 12. Central handle 12 is further connected to first tapered arm 14A. First tapered arm 14A further comprises central cavity 16 and first support cavity 18A. Support cavity 18A terminates at a distal end with first wing opening 20A. First wing opening 20A, support cavity 18A and some of central cavity 16 are filled with first applicator 22A.

[0015] First applicator 22A further comprises first applicator feed end 24A joined to first applicator stamp 26A. First applicator stamp 26A further comprises first applicator stamp back side 28A which is adjacent to first applicator stamp forward side 30A, first applicator stamp rear side 32A, first applicator stamp top side 34A and first applicator stamp bottom side 34A. Similarly, first applicator stamp front side 38A is adjacent to first applicator stamp forward side 30A, first applicator stamp rear side 32A, first applicator stamp top side 34A and first applicator stamp bottom side 34A. Makeup 40 in central cavity 16 is absorbed into first applicator stamp 26A through first applicator feed end 24A. First

applicator stamp forward side 30A is attached to first fine applicator tip 42A. First tapered arm 14A can be covered with first cover 44A.

[0016] Turning to Figures 7-9, to use make-up applicator 10, a user first impresses first applicator 22A is pushed onto upper eye U on head H to apply makeup 40 onto upper eye U. After that, first fine applicator tip 42A is drawn across lower eye L to apply makeup 40 onto lower eye L.

[0017] Central handle 12 is further connected to second tapered arm 14B. Second tapered arm 14B further comprises central cavity 16 and second support cavity 18B. Support cavity 18B terminates at a distal end with second wing opening 20B. Second wing opening 20B, support cavity 18B and some of central cavity 16 are filled with second applicator 22B.

[0018] Second applicator 22B further comprises second applicator feed end 24B joined to second applicator stamp 26B. Second applicator stamp 26B further comprises second applicator stamp back side 28B which is adjacent to second applicator stamp forward side 30B, second applicator stamp rear side 32B, second applicator stamp top side 34B and second applicator stamp bottom side 34B. Similarly, second applicator stamp front side 38B is adjacent to second applicator stamp forward side 30B, second applicator stamp rear side 32B, second applicator stamp top side 34B and second applicator stamp bottom side 34B. Makeup 40 in central cavity 16 is absorbed into second applicator stamp 26B through second applicator feed end 24B. Second applicator stamp forward side 30B is attached to second fine applicator tip 42B. Second tapered arm 14B can be covered with second cover 44B.

[0019] Turning to Figures 7-9, to use make-up applicator 10, a user second impresses second applicator 22B is pushed onto upper eye region U on head H to apply makeup 40 onto upper eye region U. After that, second fine applicator tip 42B is drawn across lower eye region L to apply makeup 40 onto lower eye region L.

[0020] As used in this application, the term “a” or “an” means “at least one” or “one or more.”

[0021] As used in this application, the term “about” or “approximately” refers to a range of values within plus or minus 10% of the specified number.

[0022] As used in this application, the term “substantially” means that the actual value is within about 10% of the actual desired value, particularly within about 5% of the actual desired value and especially within about 1% of the actual desired value of any variable, element or limit set forth herein.

[0023] All references throughout this application, for example patent documents including issued or granted patents or equivalents, patent application publications, and non-

patent literature documents or other source material, are hereby incorporated by reference herein in their entireties, as though individually incorporated by reference, to the extent each reference is at least partially not inconsistent with the disclosure in the present application (for example, a reference that is partially inconsistent is incorporated by reference except for the partially inconsistent portion of the reference).

[0024] A portion of the disclosure of this patent document contains material which is subject to copyright protection. The copyright owner has no objection to the facsimile reproduction by anyone of the patent document or the patent disclosure, as it appears in the Patent and Trademark Office patent file or records, but otherwise reserves all copyright rights whatsoever.

[0025] Any element in a claim that does not explicitly state “means for” performing a specified function, or “step for” performing a specified function, is not to be interpreted as a “means” or “step” clause as specified in 35 U.S.C. §112, ¶ 6. In particular, any use of “step of” in the claims is not intended to invoke the provision of 35 U.S.C. §112, ¶ 6.

[0026] Persons of ordinary skill in the art may appreciate that numerous design configurations may be possible to enjoy the functional benefits of the inventive systems. Thus, given the wide variety of configurations and arrangements of embodiments of the present invention the scope of the invention is reflected by the breadth of the claims below rather than narrowed by the embodiments described above.

INDUSTRIAL APPLICABILITY

[0027] Embodiments of the disclosed invention can be useful for to applying makeup to an upper eye region and a lower eye region around a human eye.

WHAT IS CLAIMED IS:

1. A makeup applicator, configured to apply makeup to an upper eye region and a lower eye region around a human eye; the makeup applicator comprising:

a central handle further connected to a first tapered arm;

a central cavity, formed within the first tapered arm and the central handle;

a first support cavity formed within the first tapered arm;

a first wing opening, formed at a distal end of the first tapered arm;

a first applicator, filling the first wing opening, the first support cavity and some of the central cavity;

makeup, filling the central cavity;

wherein the makeup is absorbed onto the first applicator in order to be applied to the upper eye region.

2. The makeup applicator of Claim 1, wherein the first applicator further comprises:

a first applicator feed end, joined to a first applicator stamp; wherein the first applicator stamp further comprises:

a first applicator stamp back side, adjacent to a first applicator stamp forward side, a first applicator stamp rear side, a first applicator stamp top side and a first applicator stamp bottom side;

a first applicator stamp front side, adjacent to the first applicator stamp forward side, the first applicator stamp rear side, the first applicator stamp top side and the first applicator stamp bottom side;

wherein the makeup in the central cavity is absorbed into the first applicator stamp through the first applicator feed end.

3. The makeup applicator of Claim 2, further comprising a first fine applicator tip, attached to the first applicator stamp forward side wherein the first fine applicator tip is adapted to apply makeup to the lower eye region.

4. The makeup applicator of Claim 3, further comprising:

a second tapered arm, connected to the central handle;

a second support cavity formed within the second tapered arm;

a second wing opening, formed at a distal end of the second tapered arm;

a second applicator, filling the second wing opening, the second support cavity and some of the central cavity;

wherein the makeup is absorbed onto the second applicator in order to be applied to the upper eye region.

5. The makeup applicator of Claim 4, wherein the second applicator further comprises:

a second applicator feed end, joined to a second applicator stamp; wherein the second applicator stamp further comprises:

a second applicator stamp back side, adjacent to a second applicator stamp forward side, a second applicator stamp rear side, a second applicator stamp top side and a second applicator stamp bottom side;

a second applicator stamp front side, adjacent to the second applicator stamp forward side, the second applicator stamp rear side, the second applicator stamp top side and the second applicator stamp bottom side;

wherein the makeup in the central cavity is absorbed into the second applicator stamp through the second applicator feed end.

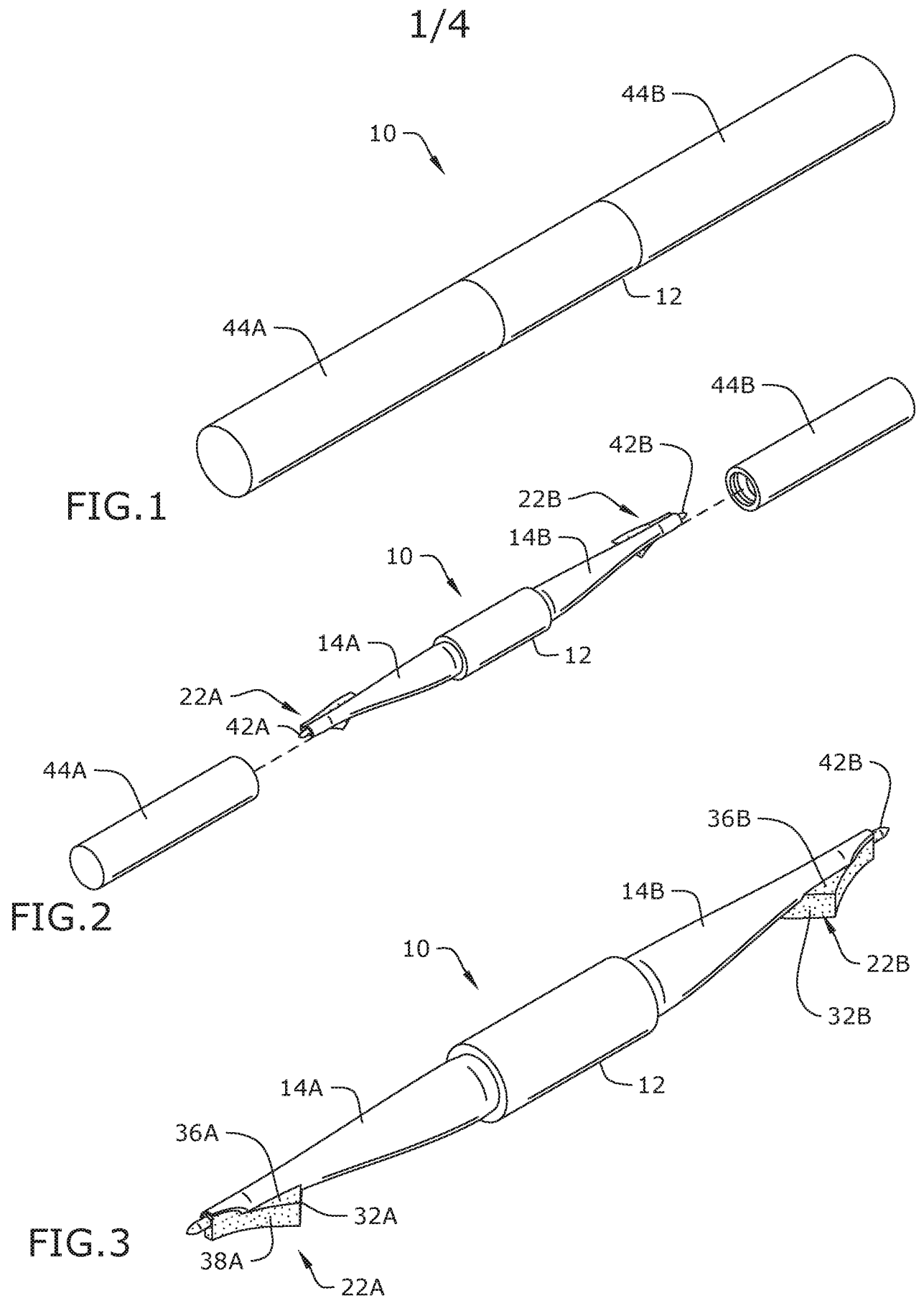
6. The makeup applicator of Claim 5, further comprising a second fine applicator tip, attached to the second applicator stamp forward side wherein the second fine applicator tip is adapted to apply makeup to the lower eye region.

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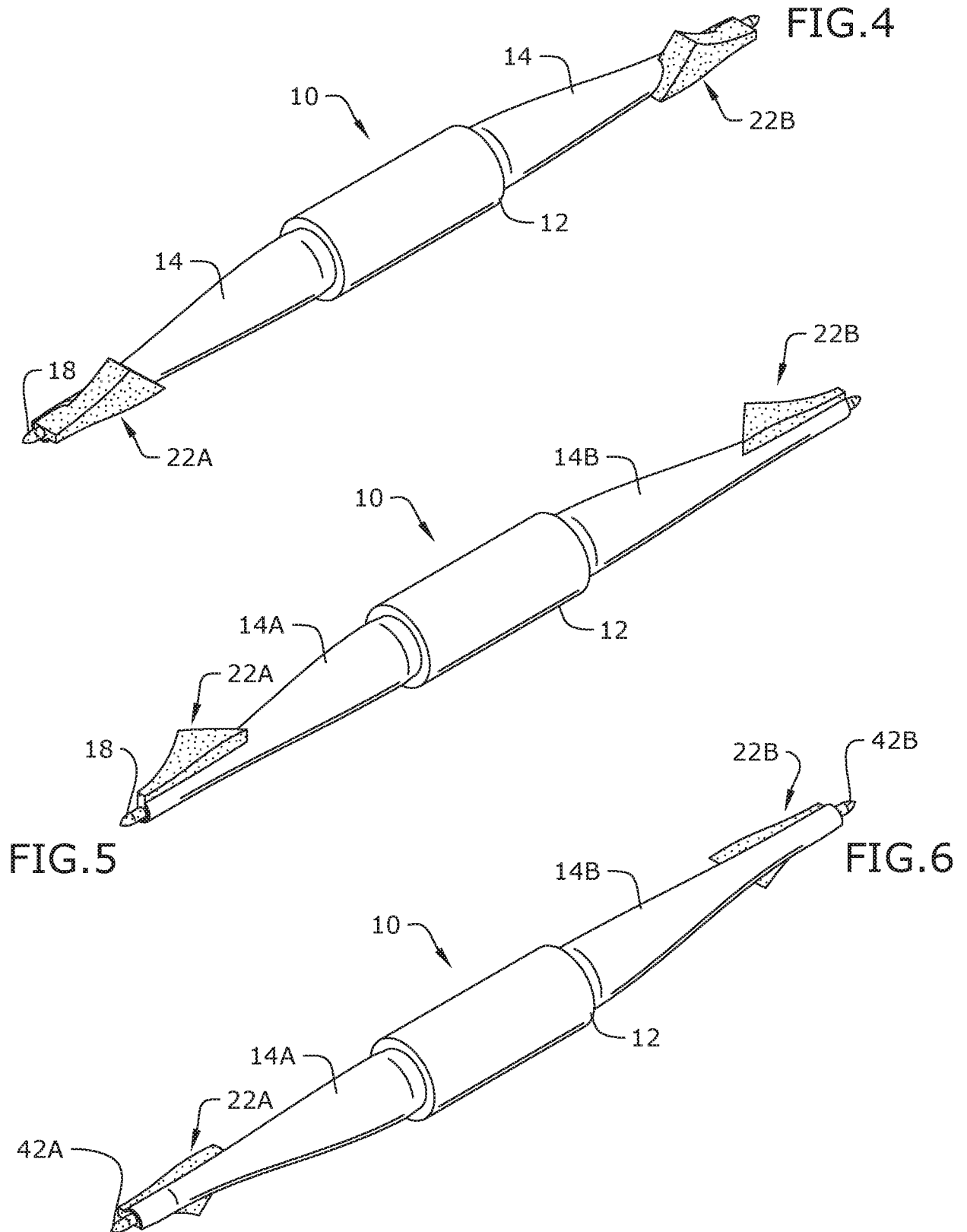
FIG.1

FIG.2

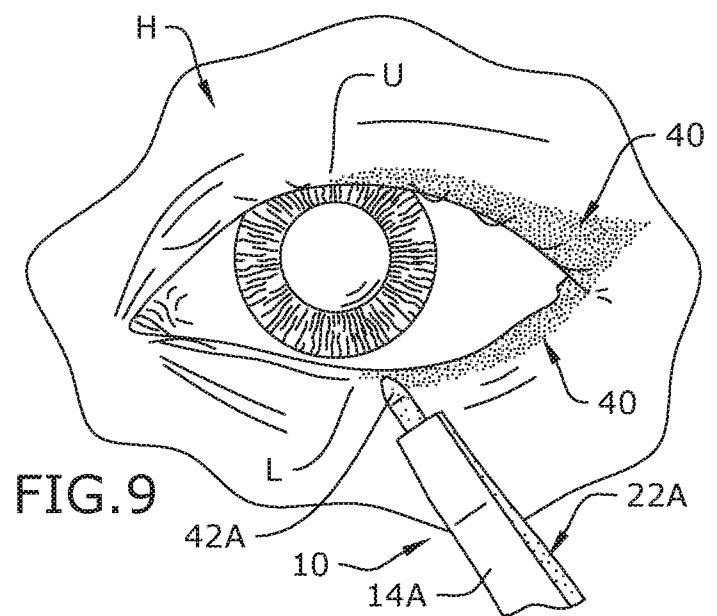
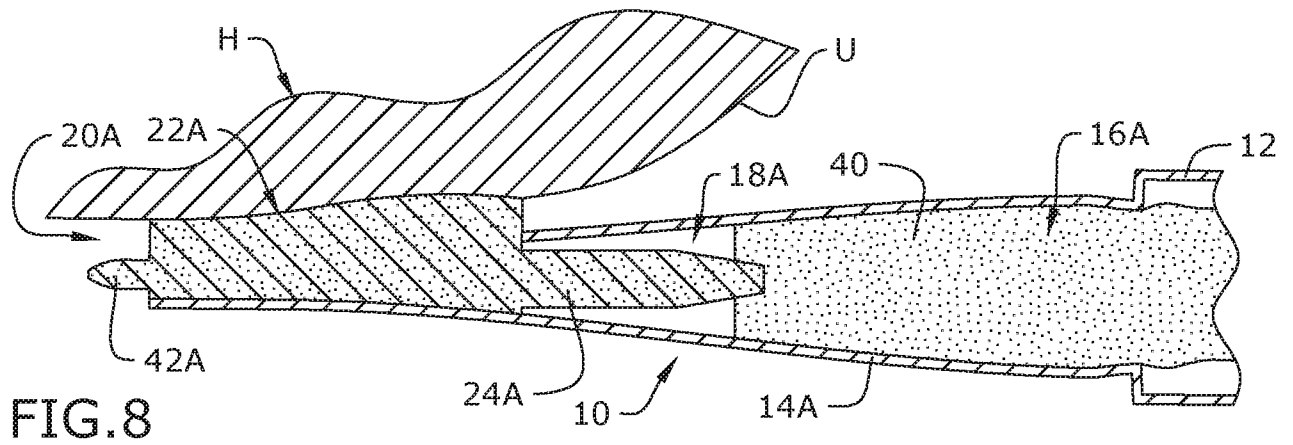
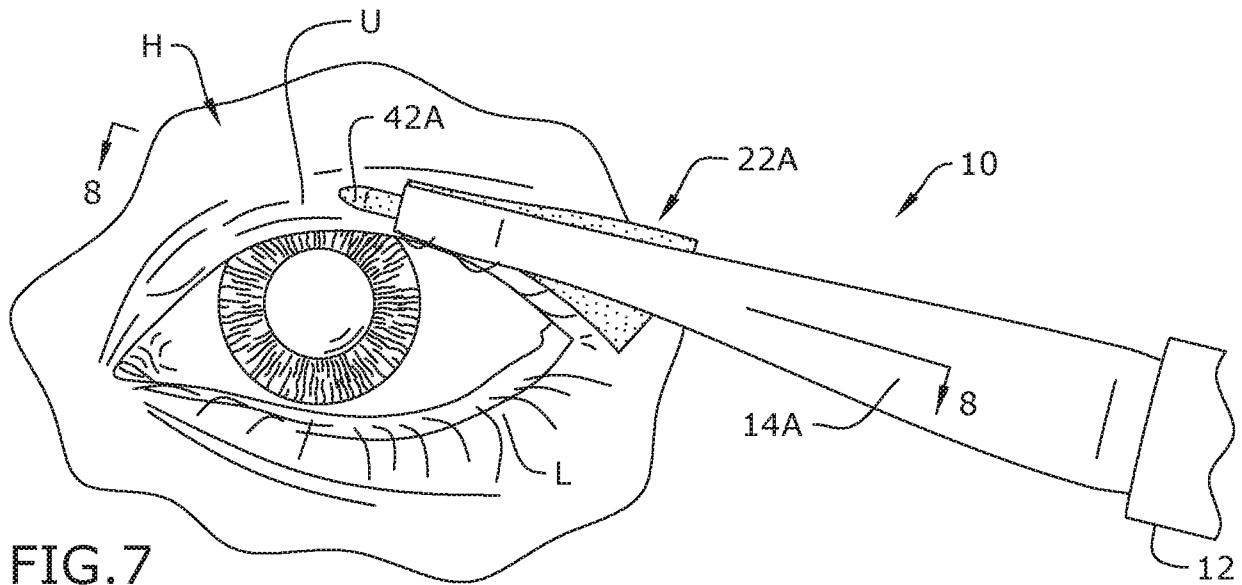
FIG.3



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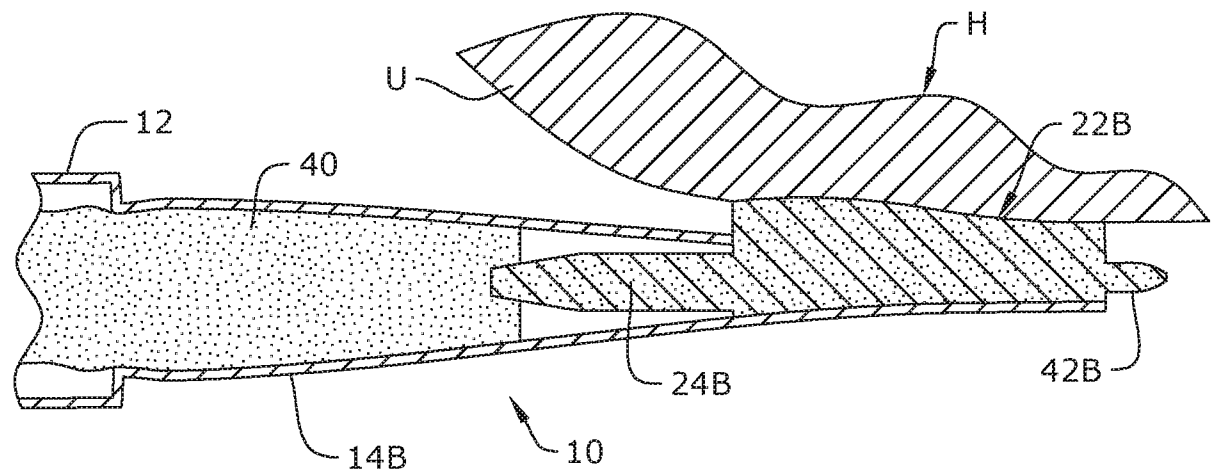


FIG.10

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2016/065195

A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - A45D 40/20; A45D 34/04; A45D 40/24; A45D 40/26; A45D 40/30; B43K 5/00; B43K 27/0 (2017.01) CPC - A45D 40/20; A45D 40/24; A45D 40/26; A45D 2200/1072 (2017.01) 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) IPC - A45D 34/04; A45D 40/20; A45D 40/24; A45D 40/26; A45D 40/30; B43K 5/00; B43K 27/02; B43K 29/00 CPC - A45D 40/20; A45D 40/24; A45D 40/26; A45D 2200/1072 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched USPC - 132/317; 132/318; 132/319; 132/320; 401/17; 401/18; 401/23; 401/24; 401/25; 401/34; 401/37; 401/126; 401/129; 401/261; 401/263; 401/264; 401/266; 401/267 (keyword delimited) Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Orbit, Google Patents, Google Search terms used: cosmetic, makeup, stamp, dual, double, eyeliner, wing, absorb, cavity, chamber		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	KR 20-0475064 Y1 (BUDDY ELECTRONICS) 7 November 2014 (07.11.2014) see machine translation	1 --- 2
Y	US 5,816,160 A (TAIRA et al) 06 October 1998 (06.10.1998) entire document	2
A	US 6,435,747 B2 (FURUKAWA et al) 20 August 2002 (20.08.2002) entire document	1-6
A	CN 103040229 A (LIU CONG) 17 April 2013 (17.04.2013) see machine translation	1-6
A	US 2014/0326265 A1 (TIGHT LINE COSMETICS, INC) 6 November 2014 (06.11.2014) entire document	1-6
☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.		
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Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, VA 22313-1450 Facsimile No. 571-273-8300		Authorized officer Blaine R. Copenheaver PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774