

ESCOBAR - URIBE ASOCIADOS

A B O G A D O S

Carrera 11A No. 94-76 Of. 305 - P.O. Box 94948, Bogotá, Colombia, S.A.
Tels.: (571) 6162051 - 6162061 - 6161859 - 6161869
Fax: (571) 6161899

53
521

2572/P

SUPERINTENDENCIA Y COMERCIO

Radicación : 03051018 00000003

Folios: 45

Fecha (AMD): 2003-10-14 14:04:01

SUPERINTENDENCIA DE INDUSTRIA
DIVISIÓN DE NUEVAS CREACIONES

Trámite : 002 PATENTES D 1 REGISTRO/ 329 COMPLETOS
Dependencia: 2020 DIVISION DE NUEVAS CREACIONES

E. S. D.

Re: Expediente No. 03.051.018
Solicitud de Patente en nombre de
McNeil-PPC, Inc.

Yo, JIMENA ESCOBAR URIBE, identificada como aparece al pie de mi firma, domiciliada en Bogotá, en la Carrera 11 A No. 94-76 Of. 305, obrando como apoderada de la sociedad McNeil-PPC, Inc., solicitante de la patente de la referencia, anexo al presente memorial los siguientes documentos:

1. Copia certificada de la solicitud de Patente Número 10/172,729 presentada en los Estados Unidos de América el día 14 de junio de 2002, con la debida traducción de lo pertinente, incluyendo el capítulo reivindicatorio.

A este mismo respecto, debe tenerse en cuenta que en la primera página de la copia en mención la Oficina de Patentes correspondiente certificó la fecha de presentación de esa solicitud, cumpliéndose de esta forma todos y cada uno de los requisitos establecidos en el inciso segundo del artículo 10 de la Decisión 486 de la Comisión de la Comunidad Andina.

Señor Superintendente,



JIMENA ESCOBAR URIBE
C.C.39.779.452 de Usaquén
T.P. 68228

58 2
57

**ESTADOS UNIDOS DE AMERICA
A TODOS AQUELLOS A QUIENES EL PRESENTE LLEGUE:**

**DEPARTAMENTO DE COMERCIO DE LOS ESTADOS
UNIDOS**

Oficina de Patentes y Marcas de los Estados Unidos

Octubre 2, 2003

La presente es para certificar que el anexo es una copia fiel de los registros de la Oficina de Patentes y Marcas de los Estados Unidos, de los documentos de la solicitud de patente identificada más adelante, que cumplió con los requerimientos para que se le concediera una fecha de presentación de acuerdo con 35 USC 111.

Número de Solicitud: 10/172,729

Fecha de Presentación: Junio 14 de 2002

**Por la autoridad del
Comisionado de Patentes y Marca**

**(fdo) T. WALLACE
Oficial Certificador
Sello oficial de la Oficina de Patentes y Marcas de los
Estados Unidos de América**

REIVINDICACIONES

1.- Un dispositivo para suministrar productos farmacéuticos o similares a una cavidad del cuerpo, que comprende un miembro de cilindro que tiene un extremo distal, que incluye una abertura, una pluralidad de pétalos, que se extienden hacia afuera desde el extremo distal en una dirección generalmente axial, dichos pétalos cooperan en la abertura para formar un receptáculo para recibir libremente un producto farmacéutico en el extremo distal del miembro de cilindro, cada uno de los pétalos teniendo una punta flexible truncada dimensionada y configurada para enganchar una porción sustancialmente central del producto farmacéutico de tal manera que una sección grande del producto farmacéutico se extiende hacia afuera más allá de los pétalos para facilitar la liberación de un producto farmacéutico recibido en el receptáculo.

2.- El dispositivo de conformidad con la reivindicación 1, caracterizado además porque la abertura es rodeada a manera de círculo por los pétalos.

3.- El dispositivo de conformidad con la reivindicación 2, caracterizado además porque el receptáculo es definido por una superficie interior del extremo distal y está dimensionado y configurado de tal manera que un producto farmacéutico recibido en el receptáculo está en contacto con la superficie interior sólo en las puntas.

4.- El dispositivo de conformidad con la reivindicación 3, caracterizado además porque cada uno de los pétalos es flexible de tal manera que las puntas son expansibles y contraíbles en la dirección sustancialmente

radial.

5.- El dispositivo de conformidad con la reivindicación 4, caracterizado además porque dichos pétalos están dimensionados y configurados de tal manera que aproximadamente la mitad de un producto farmacéutico recibido en el receptáculo se extiende hacia fuera más allá de las puntas.

6.- El dispositivo de conformidad con la reivindicación 5, caracterizado además porque cada pétalo se curva radialmente hacia adentro de tal manera que la curvatura de cada una de las puntas corresponde generalmente a la curvatura de una porción sustancialmente central de un producto farmacéutico recibido en el receptáculo.

7.- El dispositivo de conformidad con la reivindicación 6, caracterizado además porque dichos pétalos están dimensionados y configurados para recibir un producto de supositorio de forma ovalada.

8.- El dispositivo de conformidad con la reivindicación 1, caracterizado además porque cada uno de los pétalos tiene una longitud medida en la dirección axial, la longitud siendo de aproximadamente la mitad de una longitud axial de un producto farmacéutico recibido en el receptáculo.

9.- El dispositivo de conformidad con la reivindicación 8, caracterizado además porque cada uno de los pétalos tiene una forma sustancialmente semicircular.

10.- El dispositivo de conformidad con la reivindicación 1, caracterizado además porque el miembro de cilindro incluye un extremo proximal, que está ubicado opuesto al extremo distal, y una pared sustancialmente anular, el pasaje extendiéndose entre los extremos distal y

aximal a través de la pared.

11.- El dispositivo de conformidad con la reivindicación 10, caracterizado además porque la pared tiene un primer espesor en las puntas y un segundo espesor en el extremo proximal, el primer espesor siendo sustancialmente menor que el segundo espesor.

12.- El dispositivo de conformidad con la reivindicación 11, caracterizado además porque el miembro de cilindro tiene una sección proximal adyacente al extremo proximal y una sección distal adyacente al extremo distal, la sección distal teniendo una forma ensanchada.

13.- El dispositivo de conformidad con la reivindicación 12, caracterizado además porque el extremo distal tiene un primer radio y el extremo proximal tiene un segundo radio, el primer radio siendo mayor que el segundo radio.

14.- El dispositivo de conformidad con la reivindicación 13, caracterizado además porque el miembro de cilindro incluye una sección intermedia ubicada entre los extremos proximal y distal, la sección distal incluyendo una porción extrema proximal integralmente conectada a la sección intermedia y una porción extrema distal definida por el extremo distal del miembro de cilindro, las porciones extremas distal y proximal teniendo tercer y cuarto radios, respectivamente, el tercer radio siendo mayor que el cuarto radio.

15.- El dispositivo de conformidad con la reivindicación 11, caracterizado además porque el miembro de cilindro es ahusado a medida que se extiende desde su extremo proximal a su extremo distal.

16.- El dispositivo de conformidad con la reivindicación 15,

caracterizado además porque los extremos distal y proximal tienen primer y segundo radios, respectivamente, el primer radio siendo menor que el segundo radio.

17.- El dispositivo de conformidad con la reivindicación 1, caracterizado porque comprende además un miembro movable de émbolo extendiéndose a través del pasaje de dicho miembro de cilindro para liberar el producto farmacéutico recibido en dicho receptáculo.

18.- El dispositivo de conformidad con la reivindicación 17, caracterizado además porque el miembro de émbolo tiene un extremo distal y una plataforma de contacto fijada al extremo distal del miembro de émbolo para aplicar una fuerza axial a un producto farmacéutico recibido en el receptáculo.

19.- El dispositivo de conformidad con la reivindicación 18, caracterizado además porque la plataforma de contacto tiene un tamaño similar al tamaño de un producto farmacéutico recibido en el receptáculo para distribuir de manera sustancialmente uniforme la fuerza a un producto farmacéutico.

20.- El dispositivo de conformidad con la reivindicación 17, caracterizado además porque el miembro de émbolo es axialmente movable en relación con el miembro de cilindro entre una primera posición, en la cual la plataforma de contacto es retraída hacia el receptáculo para permitir la carga de un producto farmacéutico en el receptáculo, y una segunda posición, en la cual la plataforma de contacto está ubicada adyacente a las puntas para expulsar un producto farmacéutico del receptáculo.

21.- El dispositivo de conformidad con la reivindicación 20, caracterizado además porque el miembro de cilindro está ubicado en su primera posición, la plataforma de contacto está ubicada en el receptáculo y

27
50 7

está en contacto con un producto farmacéutico recibido en el receptáculo para orientar apropiadamente el producto farmacéutico de tal manera que el extremo distal del miembro de cilindro esté en contacto con el producto farmacéutico sólo en las puntas.

22.- El dispositivo de conformidad con la reivindicación 21, caracterizado además porque la plataforma de contacto está ubicada hacia fuera más allá de los pétalos cuando el miembro de émbolo está ubicado en su segunda posición.

23.- El dispositivo de conformidad con la reivindicación 21, caracterizado además porque la plataforma de contacto es enganchada con los pétalos para flexionar los pétalos en una dirección radialmente hacia fuera, cuando el miembro de émbolo está ubicado en su segunda posición.

24.- El dispositivo de conformidad con la reivindicación 21, caracterizado además porque comprende primeros medios de restricción para restringir el miembro de émbolo para que no se mueva más allá de su primera posición.

25.- El dispositivo de conformidad con la reivindicación 24, caracterizado además porque comprenden segundos medios de restricción para restringir el miembro de émbolo para que no se mueva más allá de su segunda posición.

26.- El dispositivo de conformidad con la reivindicación 25, caracterizado además porque el miembro de cilindro incluye una sección distal ubicada adyacente al extremo distal del miembro de cilindro y que tiene una forma ensanchada, los primeros medios de restricción incluyendo una porción formada como parte de la sección distal y dimensionada y configurada para

enganchan la plataforma de contacto.

27.- El dispositivo de conformidad con la reivindicación 25, caracterizado además porque los primeros medios de restricción incluyen una costilla anular que se extiende radialmente hacia adentro desde una pared anular del miembro de cilindro hasta el pasaje y ubicada adyacente a un extremo proximal del miembro de cilindro, los primeros medios de restricción teniendo un miembro de tope formado sobre el miembro de émbolo y dimensionado y configurado para enganchar la costilla anular.

28.- El dispositivo de conformidad con la reivindicación 25, caracterizado además porque los segundos medios de restricción incluyen una pestaña formada sobre un extremo proximal del miembro de émbolo y dimensionada y configurada para enganchar un extremo proximal del miembro de cilindro.

29.- En combinación, un producto farmacéutico; un dispositivo para suministrar el producto farmacéutico a una cavidad del cuerpo, el dispositivo incluyendo un miembro de cilindro y un miembro de émbolo, el miembro de cilindro teniendo un extremo distal, que incluye una abertura, una pluralidad de pétalos, que se extienden hacia fuera desde el extremo distal en una dirección generalmente axial, y un pasaje, que se extiende a través del miembro de cilindro en una dirección sustancialmente paralela a la dirección axial y que está en comunicación con la abertura, los pétalos cooperando con la abertura para formar un receptáculo, el producto farmacéutico siendo recibido en el extremo distal del miembro de cilindro, cada uno de los pétalos teniendo puntas flexibles truncadas dimensionadas y configuradas para enganchar una porción sustancialmente central del producto farmacéutico de

tal manera que una sección grande del producto farmacéutico se extiende hacia fuera más allá de los pétalos para facilitar la liberación del producto farmacéutico de su receptáculo, el miembro de émbolo extendiéndose moviblemente a través del pasaje del miembro de cilindro para liberar el producto farmacéutico, y el miembro de cilindro incluyendo un miembro de enganche ubicado en el pasaje para enganchar el miembro de cilindro; y un medio de empaque para empacar el dispositivo junto con el producto farmacéutico.

30.- La combinación de conformidad con la reivindicación 29, caracterizada además porque el medio de empaque incluye una charola para recibir el dispositivo y el producto farmacéutico y una tapa removiblemente fijada a la charola.

31.- La combinación de conformidad con la reivindicación 30, caracterizada además porque la charola es una charola de tipo de burbujas.

03-51018

61 15



70 1073003

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

UNITED STATES DEPARTMENT OF COMMERCE

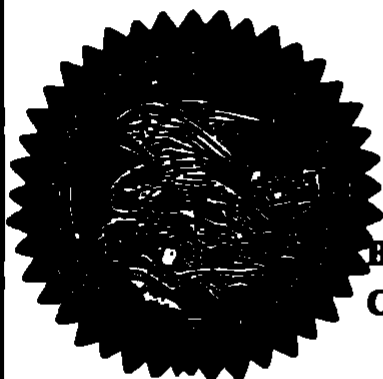
United States Patent and Trademark Office

October 02, 2003

THIS IS TO CERTIFY THAT ANNEXED HERETO IS A TRUE COPY FROM THE RECORDS OF THE UNITED STATES PATENT AND TRADEMARK OFFICE OF THOSE PAPERS OF THE BELOW IDENTIFIED PATENT APPLICATION THAT MET THE REQUIREMENTS TO BE GRANTED A FILING DATE UNDER 35 USC 111.

APPLICATION NUMBER: 10/172,729

FILING DATE: June 14, 2002



By Authority of the
COMMISSIONER OF PATENTS AND TRADEMARKS

T. Wallace
T. WALLACE

Certifying Officer

SELITTO, BEHR & KIM

A PROFESSIONAL CORPORATION
PATENT & TRADEMARK ATTORNEYS

RALPH W. SELITTO, JR.
JOHN K. KIM
PAUL E. SWIFT
MARCELLA M. BODNER
SANJIV M. CHOKSHI
PAUL Y. KIM*

203 MAIN STREET
METUCHEN, NJ 08840

TEL (732) 744-1001
FAX (732) 744-1740
law@ablpatent.com

June 14, 2002

OF COUNSEL

OMRI M. BEHR
DAVID L. DAVIS

* NOT ADMITTED TO THE PATENT BAR

Commissioner of Patents and Trademarks
Washington, DC 20231



01815

PATENT TRADEMARK OFFICE

Attorney Docket No. : PPC-0837
Inventor(s) : Paul B. Swick
Title : APPLICATOR DEVICE FOR SUPPOSITORIES AND THE LIKE
Assignee : McNeil-PPC, Inc.

Sir:

Enclosed herewith please find the following documents in the above-identified application for Letters Patent of the United States:

<u>1</u>	Pages of Abstract
<u>17</u>	Pages of Specification
<u>31</u>	Number of Claims
<u>8</u>	Sheets of Drawings
<u>1</u>	Return-addressed Postcard
<u>0</u>	Assignment for Recording (Stapled to Form PTO-1595)
<u>1</u>	Declaration and Power of Attorney (Unexecuted)
<u>1</u>	Express Mail Certification (Stapled to this Letter)

Basic Fee \$ 740.00

Additional Fees:

Total number of claims (including multiple dependent claims) <u>31</u>	
Total number of claims in excess of 20, times \$18.00	\$ 198.00
Number of Independent claims <u>2</u>	
Number of Independent claims minus 3, times \$84.00	\$ -0-
Fee for multiple dependent claims (\$280.00)	\$ -0-

TOTAL FILING FEES: \$ 838.00

Please note that this application is being filed without an applicant's executed Declaration and filing fees. Pursuant to 37 C.F.R. 1.53(b) and (f), the United States Patent and Trademark Office is respectfully requested to accept this application and accord a serial number and filing date as of the date that this application is deposited with the U.S. Postal Service for Express Mail. Further, it is respectfully requested that the NOTICE OF MISSING PARTS-FILING DATE GRANTED pursuant to 37 C.F.R. 1.53(f) be sent to the undersigned attorney.

Respectfully submitted,

SELITTO, BEHR & KIM,

John K. Kim
By John K. Kim
Reg. No. 37,002

6a
✓
63

PPC-0837

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of
PAUL B. SWICK

Serial No.: TO BE ASSIGNED

Filed: FILED HEREWITH

For: APPLICATOR DEVICE FOR
SUPPOSITORIES AND THE LIKE

X

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231-9999

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

Sir:

"Express Mail" Mailing Label Number: EV095393512US

Date of Deposit: June 14, 2002

I hereby certify that this paper and/or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Honorable Commissioner of Patents and Trademarks, Box Patent Application, Washington, D.C. 20231-999.

Diane Bodzloch
Diane Bodzloch

10172729-0614 2

64 45

APPLICATOR DEVICE FOR SUPPOSITORIES AND THE LIKE

Field of the Invention

5 The present invention relates to applicator devices for suppositories and the like and, more particularly, to an applicator device adapted for depositing suppositories and the like in a bodily cavity or passage.

Background of the Invention

Suppository applicators have been in use for delivering suppositories to bodily cavities, such as vaginal canals and recta. Conventional applicators are equipped with barrel members for receiving suppositories and plunger members for expelling same from the barrel members. The barrel members have loading ends which are typically equipped with finger-like members or segments projecting therefrom for releasably attaching suppositories to the loading ends (see, for instance, U.S. Patent Nos. 2,754,822; 3,667,465; 3,934,584; 4,361,150; 5,201,779; 5,404,870; and 5,860,946). The finger-like
20 members are sized such that, when suppositories are loaded onto the loading ends, they are enclosed substantially entirely by the finger like-members.

The applicators discussed above have various disadvantages. For instance, suppositories, when exposed to moisture, tend to stick

1 19 27 29 . 0 14 05

86
14
65

to surfaces that are in contact therewith. In such circumstances, when the applicators are exposed to relatively high humidity, suppositories loaded therein tend to stick to the loading ends of the applicators. Because the suppositories are enclosed substantially
5 entirely by the finger-like members, they have a relatively large area of contact with the loading ends of the applicators. As a result, when the suppositories stick to the applicators during storage or use, it becomes difficult to expel same from the applicators.

Summary of the Invention

The present invention overcomes the disadvantages and shortcomings discussed above by providing an improved applicator device for delivering pharmaceutical products or the like to a bodily cavity. More particularly, the device includes a barrel member having a distal end which is equipped with an opening. The applicator also includes a plurality of petals extending outwardly from the distal
end in a generally axial direction. The petals cooperate with the opening so as to form a receptacle for releasably receiving a pharmaceutical product in the distal end of the barrel member. Each
20 of the petals has a truncated flexible tip sized and shaped so as to engage a substantially central portion of the pharmaceutical product such that a large section of the pharmaceutical product extends outwardly beyond the petals so as to facilitate the release of the pharmaceutical product from the receptacle. The device also includes

87
65 18

a plunger member for releasing the pharmaceutical product from the receptacle. In accordance with the present invention, the device can be packaged in a package together with the pharmaceutical product received in the receptacle.

5

Brief Description of the Drawings

For a more complete understanding of the present invention, reference is made to the following detailed description of the present invention considered in conjunction with the accompanying drawings, in which:

Figure 1 is an exploded perspective view of a suppository applicator constructed in accordance with a first exemplary embodiment of the present invention;

Figure 2 is a perspective view of the applicator of Figure 1 in an assembled configuration ready for use;

Figure 3 is a perspective view of the applicator of Figure 2 packaged in a blister packaging assembly;

Figure 4 is an exploded perspective view of the blister packaging assembly of Figure 3;

Figure 5 is a perspective view of the applicator of Figure 2 illustrating the dispensing of a suppository product;

Figures 6 and 7 are side elevational views of the applicator shown in Figures 1, 2 and 5, illustrating its operation;

63
6146

Figure 8 is an exploded perspective view of a suppository applicator constructed in accordance with a second exemplary embodiment of the present invention;

Figure 9 is a perspective view of the applicator of Figure 8 in an assembled configuration ready for use;

Figure 10 is a perspective view of the applicator of Figure 9 packaged in a blister packaging assembly;

Figure 11 is an exploded perspective view of the blister packaging assembly of Figure 10; and

Figures 12 and 13 are side elevational views of the applicator shown in Figures 8 and 9, illustrating its operation.

Detailed Description of the Exemplary Embodiments

Referring to Figures 1, 2 and 5, there is shown a suppository applicator 10 constructed in accordance with a first embodiment of the present invention. More particularly, the applicator 10 is adapted for use in depositing an oval-shaped suppository product 12 in a bodily cavity, such as a vaginal cavity, a rectum, etc. The applicator 10 includes a barrel member 14 and a plunger member 16 extending through the barrel member 14. The barrel member 14 and the plunger member 16 are made from a suitable material (e.g., thermoplastics, polyolefins, polyolefin copolymers, modified polyvinyl chloride, thermoplastic rubber compounds, polyurethanes, etc.) preferably by a conventional injection molding process.

68
684

Alternatively, one or both of the barrel member 14 and the plunger member 16 can be made by using other conventional processes.

Now referring to Figures 1, 2 and 5-7, the barrel member 14 is provided with an interior passageway 18 extending therethrough.

5 The barrel member 14, which has a unitary construction and an annular wall 20 defining the passageway 18, is provided with a proximal section 22, a distal section 24 and an intermediate section 26. The intermediate section 26 is located between the proximal and distal sections 22, 24. The proximal section 22 includes an open end 28, as well as a ribbed surface 30 so as to provide a gripping surface during the use of the applicator 10. The distal section 24 has a proximal end 32, which is connected to the intermediate section 26, and a distal end 34 opposite to the proximal end 32. The distal section 24 has a flaring construction (i.e., the diameter of the proximal end 32 is smaller than the diameter of the distal end 34) and has an opening 36 formed therein and communicating with the passageway 18.

20 The distal section 24 of the applicator 10 is provided with three flexible, truncated petals 38 (see Figures 1, 2 and 5-7) encircling the opening 36 and extending outwardly therefrom in a direction generally parallel to the longitudinal axis of the barrel member 14 (referred to hereinafter as "the axial direction"). The petals 38 cooperate with the opening 36 and the distal section 24 so as to form a receptacle 40 for releasably receiving the suppository product 12 therein. Each of the petals 38 is provided with a generally

30
6918

10182729 - 61402

semi-circular shape and has a base 42, which is integrally connected to the distal end 34 of the distal section 24, and a tip 44, which is located opposite the base 42. Due to its truncated construction, each of the petals 38 has an axial length sufficient to securely retain the suppository product 12 within the receptacle 40, but short enough to create a minimal frictional resistance to the suppository product 12 during its dispensing from the receptacle 40. With reference to Figure 6, the petals 38 are sized and shaped such that, when the suppository product 12 is received in the receptacle 40, the tips 44 of the petals 38 engage a substantially central portion 46 of the suppository product 12 (e.g., the tips 44 are adapted to engage a portion of the suppository product 12 located slightly outwardly in the axial direction from the central portion 46 of the suppository product 12). By way of example, each of the petals 38 can have an axial length which is substantially equal to one half of the width of the suppository product 12 measured along its major axis. As a result, a substantial part of the suppository product 12 (e.g., an approximately half of the suppository product 12) extends axially beyond the receptacle 40 to facilitate easy unloading of the suppository product 12 from the receptacle 40.

Now referring to Figure 1, 6 and 7, each of the petals 38 is provided with a concave interior surface 48 which corresponds generally to the contour of the central portion 46 of the suppository product 12. More particularly, each of the petals 38 curves slightly

71
70 15

inwardly in a generally radial direction as it extends from its base 42 to its tip 44 so as to engage and retain the suppository product 12 in the receptacle 40 (see Figure 6). In this manner, even if a large part of the suppository product 12 extends beyond the tips 44 of the petals 38, the petals 38 cooperate with one another so as to retain the suppository product 12 in the receptacle 40.

With reference to Figure 6, the barrel member 14 is also constructed such that the thickness of the wall 20 at the distal section 24, and more specifically at the tips 44 of the petals 38, is significantly smaller than the thickness of the wall 20 at the proximal section 22. In this manner, the petals 38 are provided with a sufficient flexibility and resiliency such that the petal tips 44 are expandable radially outwardly and contractible radially inwardly so as to permit easy loading and unloading of the suppository product 12.

Referring back to Figures 1, 2 and 5-7, the plunger member 16 includes a ribbed shaft 50 having a proximal end 52 and a distal end 54 and movably received in the passageway 18 of the barrel member 14. The proximal end 52 of the shaft 50 has beads 56 (see Figure 1). A thumb platform 58 is also formed on the proximal end 52 of the shaft 50 and has a centrally positioned mounting tab 60. The mounting tab 60 has a female receptacle opening 62 (see Figure 1) having beads 64 adapted to engage the beads 56 of the shaft 50 such that the proximal end 52 of the shaft 50 can be snap-fitted into the receptacle opening

7/20

62 of the thumb platform 58. In this manner, the thumb platform 58 is securely attached to the shaft 50 by an interference fit. A contact platform 66 is integrally formed with the distal end 54 of the shaft 50. The contact platform 66 is sized and shaped so to be received movably in the receptacle 40 of the distal section 24 of the barrel member 14 for use in discharging the suppository product 12 from the applicator 10. In this regard, the contact platform 66 has an oversized shape (i.e., has a diameter similar or substantially identical to the width of the suppository product 12 measured along its minor axis) for purposes to be discussed hereinafter.

With reference to Figures 2 and 5-7, the plunger member 16 is movable relative to the barrel member 14 in the axial direction between a retracted position (see Figures 2 and 6), in which the contact platform 66 is positioned adjacent the proximal end 32 of the distal section 24 of the barrel member 14, and an extended position (see Figure 5 and 7), in which the contact platform 66 is located axially outwardly from the tips 44 of the petals 38 and hence the receptacle 40. In this regard, the outer diameter of the thumb platform 58 is greater than that of the proximal section 22 of the barrel member 14 so as to prevent the plunger member 16 from moving beyond its extended position (see Figure 7). Similarly, the outer diameter of the contact platform 66 is larger than the inner diameter of the proximal end 32 of the distal section 24 such that the contact platform 66 engages an interior portion 68 (see Figure 6) of the distal

23
7/21

section 24 located adjacent to the proximal end 32, thereby inhibiting the plunger member 16 from moving beyond its retracted position. When the plunger member 16 is positioned in its retracted position, the contact platform 66 abuts an end of the suppository product 12 (see Figure 6) so as to prevent it from being positioned too far into the receptacle 40. More particularly, the contact platform 66 ensures that the suppository product 12 is cradled in the receptacle 40 in a preferred holding position, in which it is engaged by the distal section 24 of the barrel member 14 only at the tips 44 of the petals 38, thereby minimizing the area of contact between the suppository product 12 and the barrel member 14. In this regard, the receptacle 40 preferably has a size which is greater than that of the suppository product 12 such that the entire interior surface of the receptacle 40, with the exception of the tips 44 of the petals 38, is out of contact with the suppository product 12, whereby the suppository product 12 can be easily released from the receptacle 40.

Referring back to Figure 1, the applicator 10 is assembled by inserting the shaft 50 into the passageway 18 through the opening 36 of the distal section 24 such that its proximal end 52 is extended outwardly from the open end 28 of the barrel member 14. The thumb platform 58 is then attached to the proximal end 52 of the shaft 50. The suppository product 12 is then inserted into the receptacle 40 of the applicator 10 for delivery into a bodily cavity.

72
73 22

The applicator 10 can be provided to a user without the suppository product 12 pre-installed in the receptacle 40. Alternatively, the applicator 10 can be provided to a user with the suppository product 12 pre-filled in the receptacle 40. When provided in its pre-filled form, the applicator 10 can be packaged in a blister packaging assembly 70 (see Figures 3 and 4). More particularly, the blister packaging assembly 70 includes a thermoformed, blister-type PVC (polyvinyl chloride) plastic tray 72 for receiving the pre-filled applicator 10. Alternatively, the tray 72 can be made from any other suitable materials. The tray 72 includes an outer perimeter rim 74 and a compartment 76 projecting from the rim 74. The compartment 76 includes an outer cavity section 78 for receiving the distal section 24 of the barrel member 14, including the suppository product 12 pre-installed in the receptacle 40. The compartment 76 is also equipped with an intermediate cavity section 80 for receiving the intermediate section 26 of the barrel member 14. The intermediate cavity section 80 includes a pair of side extensions 82 for receiving user's fingers during the removal of the applicator 10 from the tray 72. An intermediate cavity section 84 is also connected to the intermediate cavity section 80 for receiving the proximal section 22 of the barrel member 14, while an outer cavity section 86 is connected to the intermediate cavity section 84 for receiving the thumb platform 58 of the plunger member 16. A peelable lid 88 laminated with an

1017272-061403

74⁷⁵ 23

aluminum foil is attached to the packaging tray 72 in a conventional manner for sealing the applicator 10 in the compartment 76.

In order to use the pre-filled applicator 10 packaged in the packaging assembly 70, the applicator 10 is removed from the packaging assembly 70. The distal section 24 of the applicator 10, together with the suppository product 12 attached thereto, is then inserted into a vaginal canal (not shown) in a conventional manner. In doing so, the barrel member 14 is gripped by the user's fingers at the ribbed surface 30 of the proximal section 22. After properly placing the distal section 24 and the suppository product 12 in the vaginal canal, the thumb platform 58 of the plunger member 16 is pushed toward the distal section 24 of the barrel member 14 so as to move the barrel member 14 from its retracted position (see Figures 2 and 6) to its extended position (see Figures 5 and 7). In this regard, the applicator 10 can be held and operated by the user in any conventional manner. For instance, with the proximal section 22 of the barrel member 14 held by the user's index and middle fingers, the thumb platform 58 of the plunger member 16 can be pushed by the user's thumb. As the plunger member 16 moves from its retracted position to its extended position (as indicated by the arrow in Figure 6), the contact platform 66 of the plunger member 16 pushes the suppository product 12 out of the receptacle 40. During the release of the suppository product 12 from the receptacle 40, the tips 44 of the petals 38 expand in a radially outward direction so as to facilitate

1019272-061402

75 24

the release of the suppository product 12. In order to ensure the release of the suppository product 12 from the applicator 10, the thumb platform 58 is pushed until the plunger member 16 is positioned in its extended position, in which the contact platform 66 is located axially outwardly from the receptacle 40 (see Figures 5 and 7).

After the release of the suppository product 12 from the applicator 10 into the vaginal canal, the plunger member 16 is pulled back into its retracted position so as to place the contact platform 66 within the receptacle 40. In this manner, during the removal of the applicator 10 from the vaginal cavity, the contact platform 66 is prevented from coming in contact with tissue walls of the vaginal cavity and causing injury to same. The applicator 10 is then cleaned and disinfected for subsequent use or is discarded.

It should be appreciated that the applicator 10 of the present invention provides numerous advantages over conventional applicators. For instance, because the petals 38 of the applicator 10 have a truncated construction, they are adapted to retain the suppository product 12 in the receptacle 40, while permitting easy release of same from the receptacle 40. As a result, the suppository product 12 can be released from the applicator 10 in response to the application of an axial force that is significantly less than the force required for conventional applicators. In this manner, even if the suppository product 12 sticks to the interior surface of the receptacle 40 during its storage or insertion into a bodily cavity,

74
76 35

it can be released from the receptacle 40 without significant difficulty. Because of its ability to release the suppository product 12 stuck to the receptacle 40, the applicator 10 can be provided to users in pre-filled and packaged form.

5 The oversized contact platform 66 of the plunger member 16 further ensures the proper dispensing of the suppository product 12 from the receptacle 40. For instance, because of its large size, the contact platform 66 tends to apply an axial force evenly to the suppository product 12, thereby minimizing distortion of the suppository product 12 during its release from the receptacle 40. Moreover, the contact platform 66 functions to strip the suppository product 12 off the interior surface of the receptacle 40 if there is excess friction or sticking between the suppository product 12 and the barrel member 14. In addition, because the suppository product 12 is mounted to the flaring distal section 24, the remaining sections of the barrel member 14 (i.e., the intermediate and proximal sections 26, 22) can be made relatively slender.

10 17 27 29 - 06 14 05
20 It should be noted that the applicator 10 of the present invention can have numerous modifications and variations. For instance, the applicator 10 can be provided with a different number of petals 38. Moreover, although the present invention is especially suitable for use in delivering suppository products to vaginal canals or cavities, it can be used to dispense suppository products or other pharmacological products in other body cavities such as a rectum.

75
77 26

Further, the applicator 10 can be modified to accommodate suppository products having different geometrical shapes. In addition, the petals 38 can be provided with different shapes and lengths. The applicator 10 can also be packaged in different types of packages.

5 A second exemplary embodiment of the present invention is illustrated in Figures 8-13. Elements illustrated in Figures 8-13 which correspond to the elements described above with reference to Figures 1-7 have been designated by corresponding reference numbers increased by one hundred. Unless stated otherwise, the second exemplary embodiment of Figures 8-13 is constructed, used and operated in the same basic manner as the exemplary embodiment shown in Figures 1-7.

10132729-061403
20 With reference to Figures 8, 9, 12 and 13, there is shown a suppository applicator 110 constructed in accordance with the second embodiment of the present invention. The applicator 110, which is adapted for use in delivering an oval-shaped suppository product 112 to a bodily cavity (e.g., a vaginal orifice), includes a barrel member 114 having an open proximal end 128 and an open distal end 134. Unlike the barrel member 14 of the embodiment of Figures 1-7, the entire barrel member 114 is substantially cylindrical in shape and is slightly tapered as it extends from the proximal end 128 to the distal end 134 (i.e., the diameter of the proximal end 128 is slightly greater than that of the distal end 134). As a result, the distal end 134 of the barrel member 114 is not flared. The barrel member

78 27

114 includes an interior passageway 118 extending between the proximal and distal ends 128, 134. A perimeter rim wall 190 is formed at the proximal end 128, while an annular retaining rib 192 is formed in the passageway 118 adjacent the proximal end 128. Flexible, truncated petals 138 are also formed at the distal end 134 of the barrel member 114. The petals 138 cooperate with one another so as to define a receptacle 140 for receiving the suppository product 112.

Still referring to Figures 8, 9, 12 and 13, the applicator 110 also includes a plunger member 116 having a single-piece construction. More particularly, the plunger member 116 includes a ribbed shaft 150, a proximal end 152 and a distal end 154. A thumb platform 158 is formed at the proximal end 152 for engagement with the rim wall 190 of the barrel member 114, while a contact platform 166 is formed at the distal end 154. The contact platform 166 has a diameter smaller than the inner diameter of the retaining rib 192 of the barrel member 114 such that it can be inserted into the passageway 118. The diameter of the contact platform 166 is also larger than an inner diameter D (see Figure 8) of the receptacle 140 defined by the petals 138 such that, when the contact platform 166 is positioned in the receptacle 140, it comes in contact with the petals 138 and causes same to flex radially outwardly (see Figure 13), thereby facilitating the release of the suppository product 112 from the receptacle 140. A stopping platform 194 is formed on the shaft 150 adjacent to the proximal end 152 of the shaft 150. The stopping

80
7928

platform 194 has a diameter slightly larger than the inner diameter of the retaining rib 192 of the barrel member 114 for purposes to be discussed hereinafter. In this regard, the stopping platform 194 is slightly flexible such that it can be inserted into the passageway 118 from the proximal end 128 of the barrel member 114 and positioned between the retaining rib 192 and the distal end 134.

The plunger member 116 is movably mounted in the passageway 118 of the barrel member 114. As a result, the plunger member 116 is movable relative to the barrel member 114 between a retracted position (see Figure 12), in which the contact platform 166 is located remote from the petals 138, and an extended position, in which the contact platform 166 is in contact with the petals 138 (see Figure 13). In this regard, the retaining rib 192 of the barrel member 114 is engageable with the stopping platform 194 of the plunger member 116 so as to inhibit the plunger member 116 from moving beyond its retracted position. Similarly, the rim wall 190 of the barrel member 114 is adapted to engage the thumb platform 158 of the plunger member 116 for the purpose of inhibiting it from moving beyond its extended position.

With reference to Figures 10 and 11, a blister packaging assembly 170 is provided for packaging the applicator 110 pre-filled with the suppository product 112. More particularly, the packaging assembly 170 has a construction basically identical to that of the blister packaging assembly 70 of the embodiment shown in Figures 1-7.

8
2029

For instance, the packaging assembly 170 has a tray 172 for receiving the pre-filled applicator 110 and a peelable lid 188 attached to the tray 172.

It will be understood that the embodiments described herein
5 are merely exemplary and that a person skilled in the art may make many variations and modifications without departing from the spirit and scope of the invention. All such variations and modifications, including those discussed above, are intended to be included within the scope of the invention.

10172729.061402

82
8/30

I CLAIM:

1. A device for delivering pharmaceutical products or the like to a bodily cavity, comprising a barrel member having a distal end, which includes an opening, and a plurality of petals extending outwardly from said distal end in a generally axial direction, said petals cooperating with said opening so as to form a receptacle for releasably receiving a pharmaceutical product in said distal end of said barrel member, each of said petals having a truncated flexible tip sized and shaped so as to engage a substantially central portion of the pharmaceutical product such that a large section of the pharmaceutical product extends outwardly beyond said petals so as to facilitate the release of a pharmaceutical product received in said receptacle.

2. The device of Claim 1, wherein said opening is encircled by said petals.

3. The device of Claim 2, wherein said receptacle is defined by an interior surface of said distal end and is sized and shaped such that a pharmaceutical product received in said receptacle is in contact with said interior surface only at said tips.

13
8231

4. The device of Claim 3, wherein each of said petals is flexible such that said tips are expandable and contractible in a radial direction.

5. The device of Claim 4, wherein said petals are sized and shaped such that an approximately half of a pharmaceutical product received in said receptacle extends outwardly beyond said tips.

6. The device of Claim 5, wherein each of said petals curves radially inwardly such that the curvature of each of said tips corresponds generally to the curvature of a substantially central portion of a pharmaceutical product received in said receptacle.

7. The device of Claim 6, wherein said petals are sized and shaped so as to receive an oval-shaped suppository product.

8. The device of Claim 1, wherein each of said petals has a length measured in said axial direction, said length being about one-half of an axial length of a pharmaceutical product received in said receptacle.

9. The device of Claim 8, wherein each of said petals has a substantially semi-circular shape.

1
172729.0
14
2

83
83 32

10. The device of Claim 1, wherein said barrel member includes a proximal end, which is located opposite to said distal end, a substantially annular wall and a passageway extending between said distal and proximal ends through said wall.

11. The device of Claim 10, wherein said wall has a first thickness at said tips and a second thickness at said proximal end, said first thickness being substantially less than said second thickness.

12. The device of Claim 11, wherein said barrel member has a proximal section adjacent said proximal end and a distal section adjacent said distal end, said distal section having a flared shape.

13. The device of Claim 12, wherein said distal end has a first radius and said proximal end has a second radius, said first radius being greater than said second radius.

14. The device of Claim 13, wherein said barrel member includes an intermediate section positioned between said proximal and distal ends, said distal section including a proximal end portion integrally connected to said intermediate section and a distal end portion defined by said distal end of said barrel member, said distal

10172729-0614 2

24
8438

and proximal end portions having third and fourth radii, respectively, said third radius being greater than said fourth radius.

15. The device of Claim 11, wherein said barrel member is tapered as it extends from said proximal end to said distal end.

16. The device of Claim 15, wherein said distal and proximal ends have first and second radii, respectively, said first radius being less than said second radius.

17. The device of Claim 1, further comprising a plunger member movably extending through a passageway of said barrel member for releasing a pharmaceutical product received in said receptacle.

18. The device of Claim 17, wherein said plunger member has a distal end and a contact platform attached to said distal end of said plunger member for applying an axial force to a pharmaceutical product received in said receptacle.

19. The device of Claim 18, wherein said contact platform has a size similar to the size of a pharmaceutical product received in said receptacle so as to substantially evenly distribute an axial force to a pharmaceutical product.

85
85 34

20. The device of Claim 17, wherein said plunger member is axially movable relative to said barrel member between a first position, in which said contact platform is retracted into said receptacle so as to permit the loading of a pharmaceutical product in said receptacle, and a second position, in which said contact platform is positioned adjacent said tips so as to expel a pharmaceutical product from said receptacle.

21. The device of Claim 20, wherein when said barrel member is positioned in its said first position, said contact platform is positioned in said receptacle and is in contact with a pharmaceutical product received in said receptacle so as to properly orient the pharmaceutical product such that said distal end of said barrel member is in contact with the pharmaceutical product only at said tips.

22. The device of Claim 21, wherein said contact platform is positioned outwardly beyond said petals when said plunger member is positioned in its said second position.

23. The device of Claim 21, wherein said contact platform is in engagement with said petals so as to flex said petals in a radially outward direction, when said plunger member is positioned in its said second position.

10172729-061402

86 38
86

24. The device of Claim 21, further comprising first restricting means for restricting said plunger member from moving beyond its said first position.

25. The device of Claim 24, further comprising second restricting means for restricting said plunger member from moving beyond its said second position.

26. The device of Claim 25, wherein said barrel member includes a distal section located adjacent said distal end of said barrel member and having a flared shape, said first restricting means including a portion formed as part of said distal section and sized and shaped so as to engage said contact platform.

27. The device of Claim 25, wherein said first restricting means includes an annular rib extending radially inwardly from an annular wall of said barrel member into said passageway and positioned adjacent a proximal end of said barrel member, said first restricting means having a stop member formed on said plunger member and sized and shaped so as to engage said annular rib.

28. The device of Claim 25, wherein said second restricting means includes a flange formed on a proximal end of said

1 17272 .061402

plunger member and sized and shaped so as to engage a proximal end of said barrel member.

29. In combination, a pharmaceutical product; a device for delivering said pharmaceutical product to a bodily cavity, said device including a barrel member having a distal end, which includes an opening, and a plurality of petals extending outwardly from said distal end in a generally axial direction, said petals cooperating with said opening so as to form a receptacle, said pharmaceutical product being releasably received in said distal end of said barrel member, each of said petals having a truncated flexible tip sized and shaped so as to engage a substantially central portion of said pharmaceutical product such that a large section of said pharmaceutical product extends outwardly beyond said petals so as to facilitate the release of said pharmaceutical product from said receptacle; and packaging means for packaging said device together with said pharmaceutical product.

30. The combination of Claim 29, wherein said packaging means includes a tray for receiving said device and said pharmaceutical product and a lid removably attached to said tray.

31. The combination of Claim 30, wherein said tray is a blister-type tray.

Abstract of the Disclosure

An applicator for delivering pharmaceutical products or the like to a bodily cavity includes a barrel member having a distal end which is equipped with an opening. The applicator also includes a plurality of petals extending outwardly from the distal end in a generally axial direction. The petals cooperate with the opening so as to form a receptacle for releasably receiving a pharmaceutical product in the distal end of the barrel member. Each of the petals has a truncated flexible tip sized and shaped so as to engage a substantially central portion of the pharmaceutical product such that a large section of the pharmaceutical product extends outwardly beyond the petals so as to facilitate the release of the pharmaceutical product from the receptacle. The device also includes a plunger member for releasing the pharmaceutical product from the receptacle. In accordance with the present invention, the device can be packaged in a package together with the pharmaceutical product received in the receptacle.

10192729-061408

DECLARATION AND POWER OF ATTORNEY
(Patent, Design or C-I-P Application)

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are stated below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: APPLICATOR DEVICE FOR SUPPOSITORIES AND THE LIKE the specification of which☒ is attached hereto

was filed on _____ as Application Serial No. _____ and was amended on _____ (if applicable)

I hereby state that I have reviewed and understand the contents of the above-entitled specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. §1.56.

I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

PRIOR FOREIGN APPLICATION(S)

COUNTRY	APPLICATION NO.	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 U.S.C. 119
			YES NO
			YES NO

Listing of Foreign Applications Continued on Page 2 Hereof: YES NO

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

(Application Serial No.)	(Filing Date)
(Application Serial No.)	(Filing Date)

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s), or §365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application or PCT International application in the manner provided by the first page of 35 U.S.C. §112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.) (Filing Date) (Status: patented, pending, abandoned)

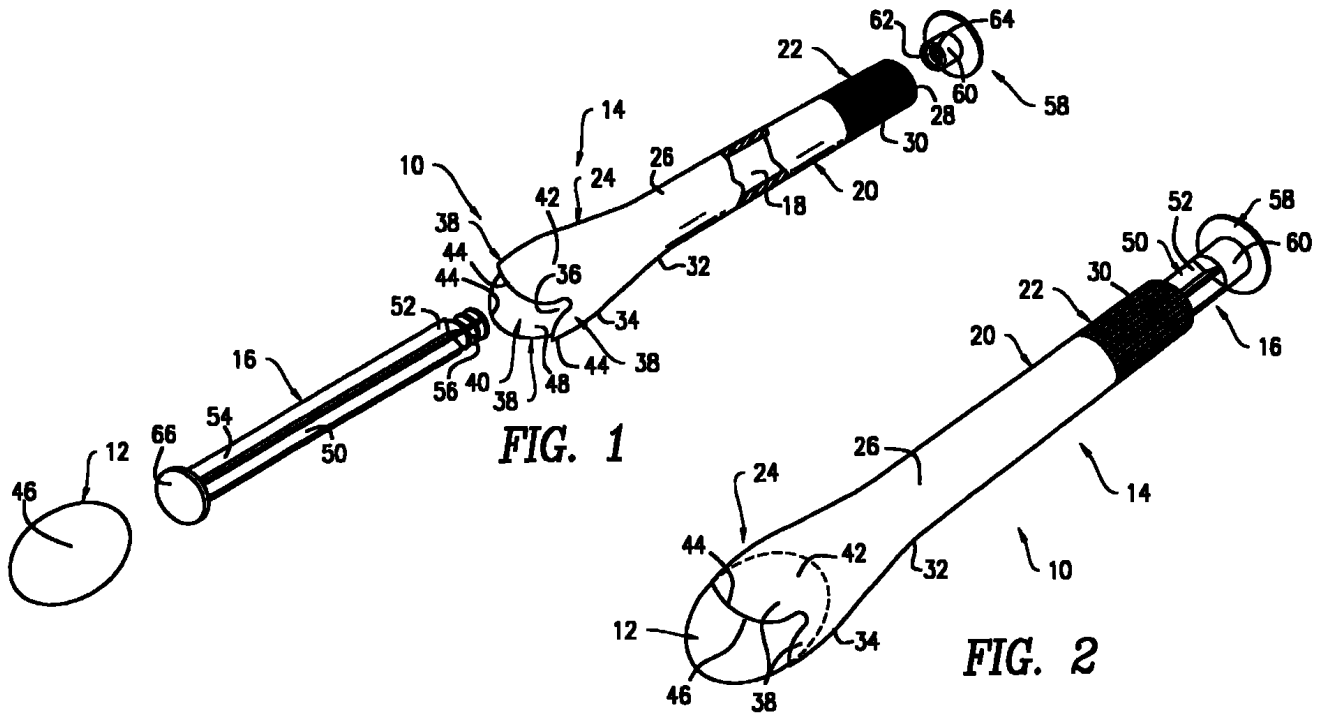
(Application Serial No.) (Filing Date) (Status: patented, pending, abandoned)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

RALPH W. SELITTO, JR., Reg. No. 26,996; PAUL F. SWIFT, Reg. No. 34,934; JOHN K. KIM, Reg. No. 37,002; MARCHILLA M. BODNER, Reg. No. 46,561; SANJIV M. CHOKSHI, Reg. No. 44,080; WILLIAM SMITH, Reg. No. 46,499; JOSEPH AGOSTINO, Reg. No. 51,191; OMRI M. BEHR, Reg. No. 22,940; DAVID L. DAVE, Reg. No. 24,812; PAUL Y. KIM, Reg. No. P-51,882; MICHELE G. MANGINI, Reg. No. 36,806; ANDREA L. COLBY, Reg. No. 30,194 and KUBY T. HOPE, Reg. No. 34,350.

SEND CORRESPONDENCE TO: Ralph W. Selitto, Jr.
209 Main Street
Metuchen, New Jersey 08840DIRECT TELEPHONE Ralph W. Selitto, Jr.
CALLS TO: (732) 744-1001

Full Name of Inventor #1	Last Name: SWICK	First Name: PAUL	Middle Name: R.
Residence & Citizenship	City: LEBANON	State or Foreign Country: NEW JERSEY	Country of Citizenship: U.S.A.



40
70

91 40

1017272-061402

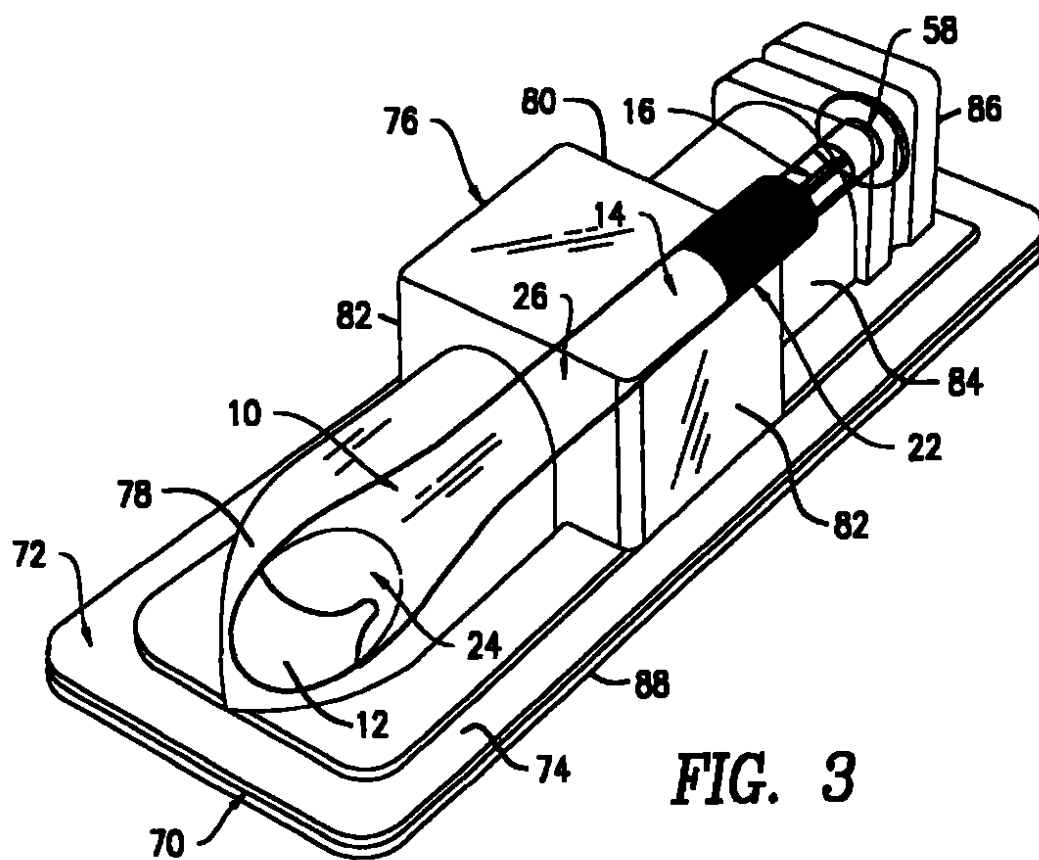


FIG. 3

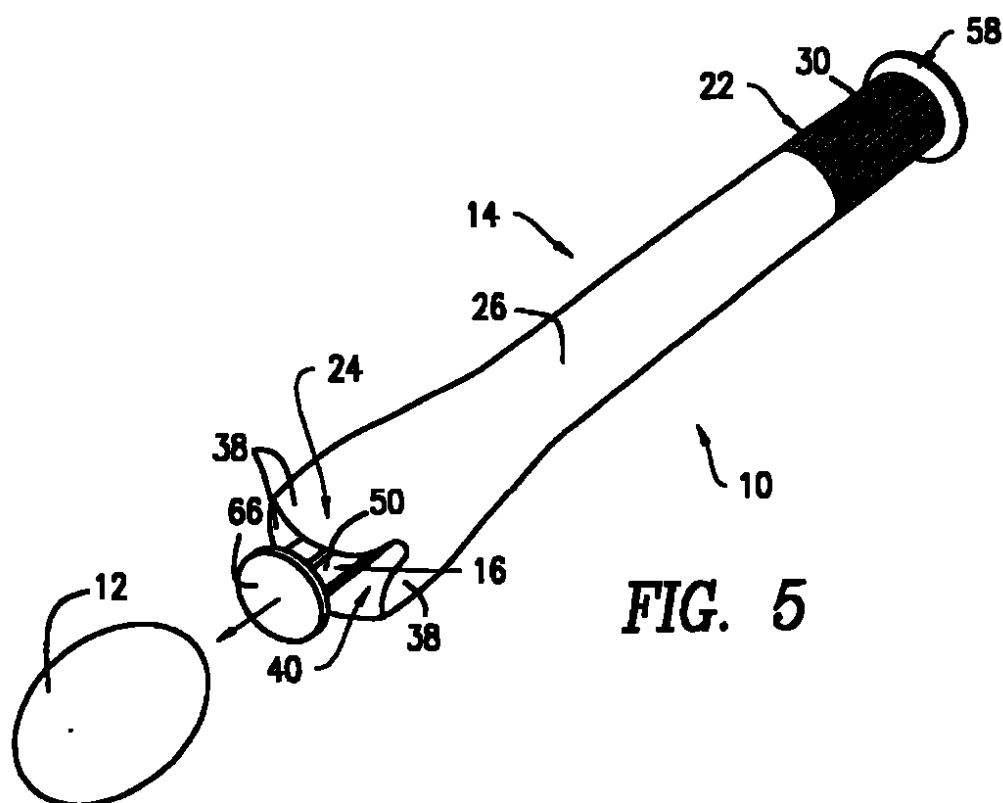


FIG. 5

92
41
92

204790-6272701

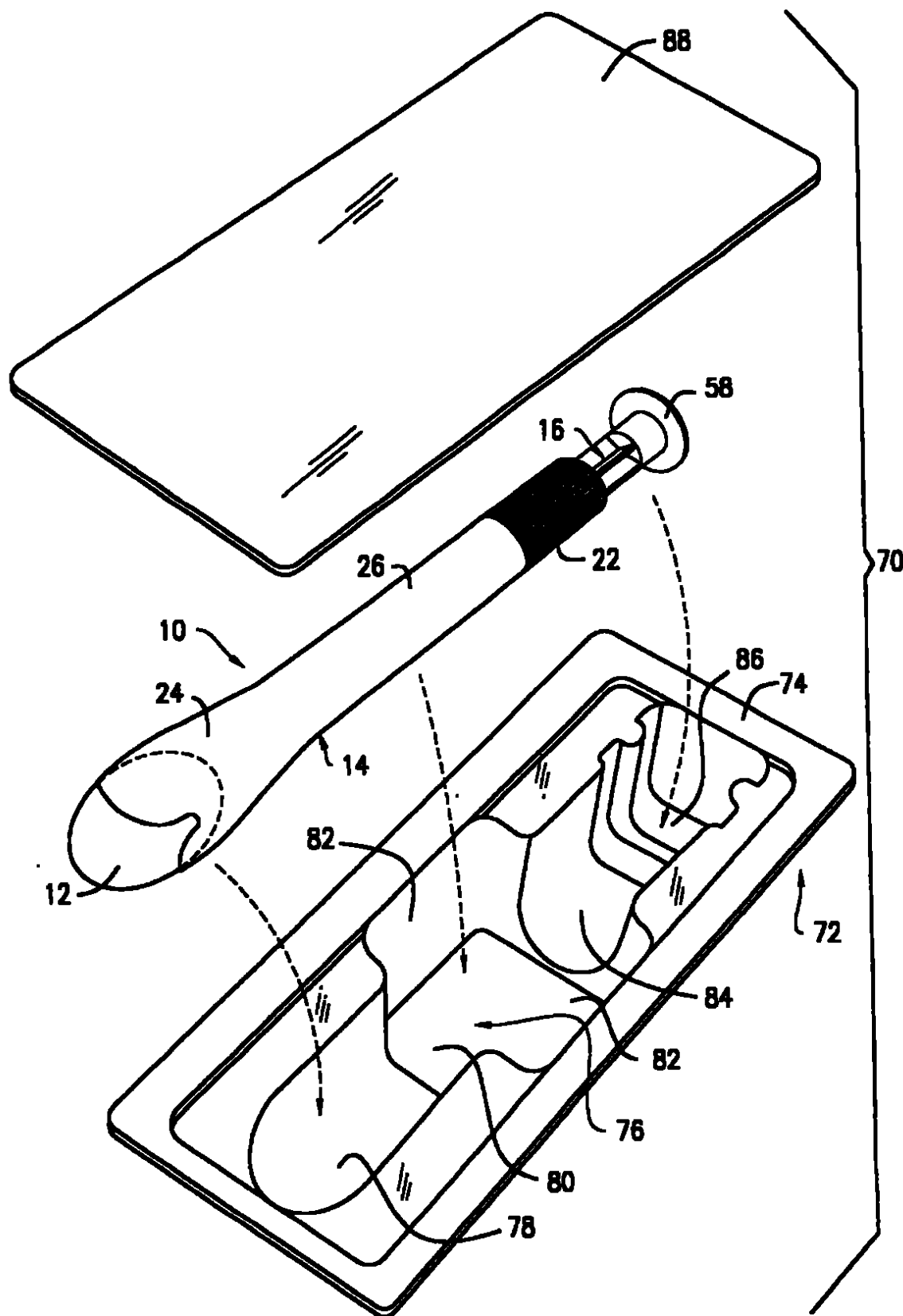


FIG. 4

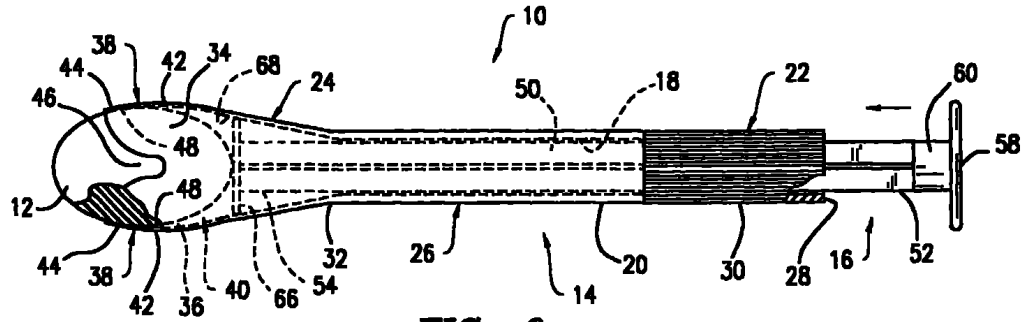


FIG. 6

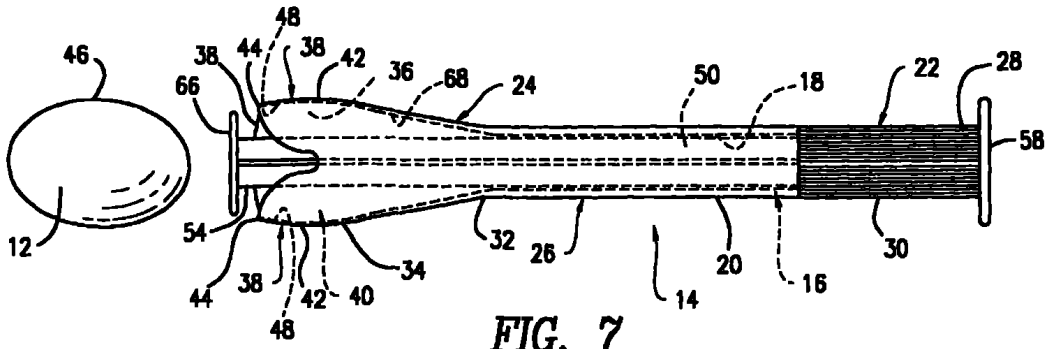
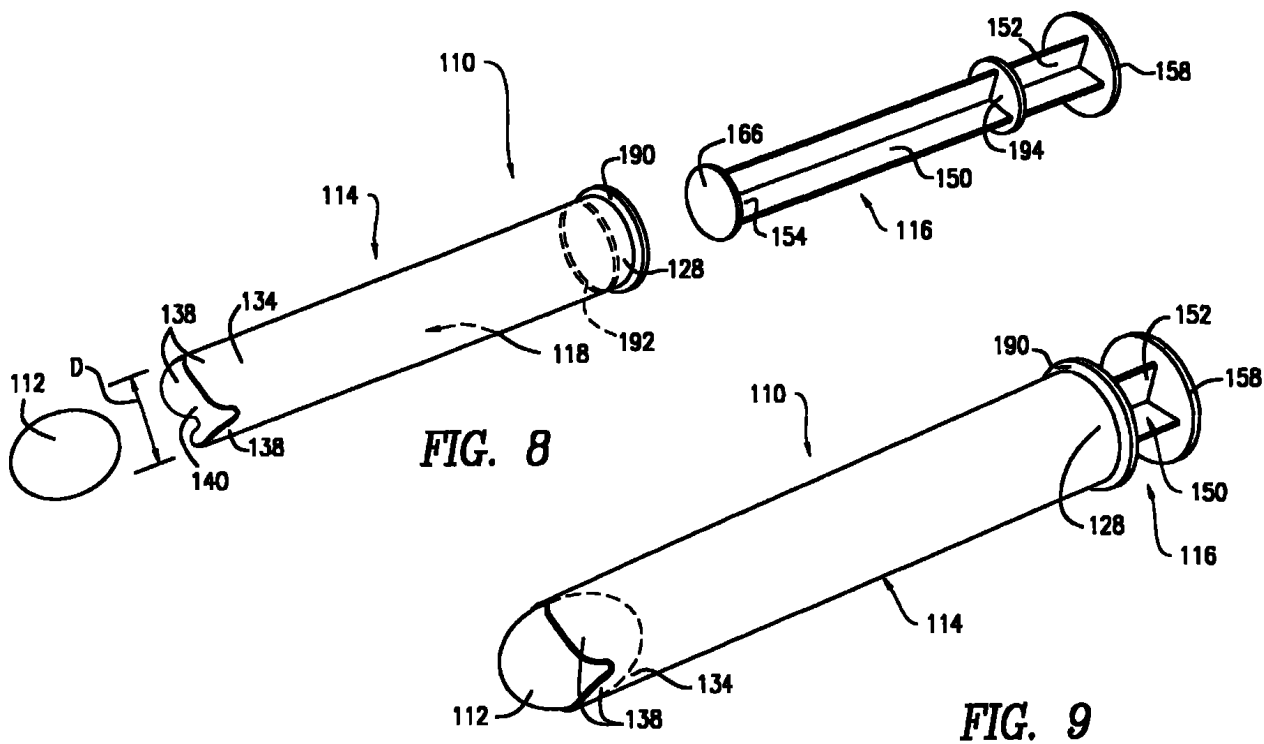


FIG. 7



85
42

9543

204190-624241

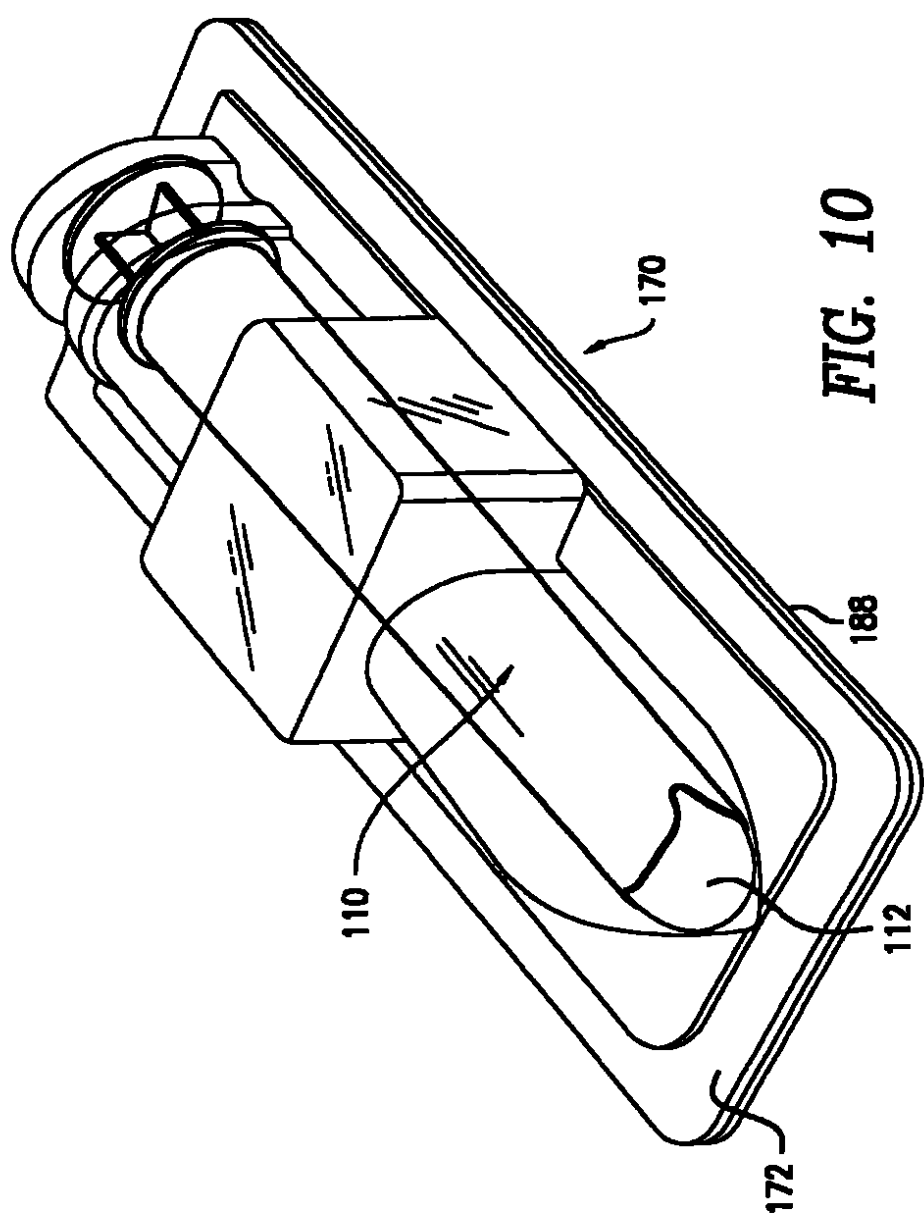


FIG. 10

96 46 44

1 172729.0 1402

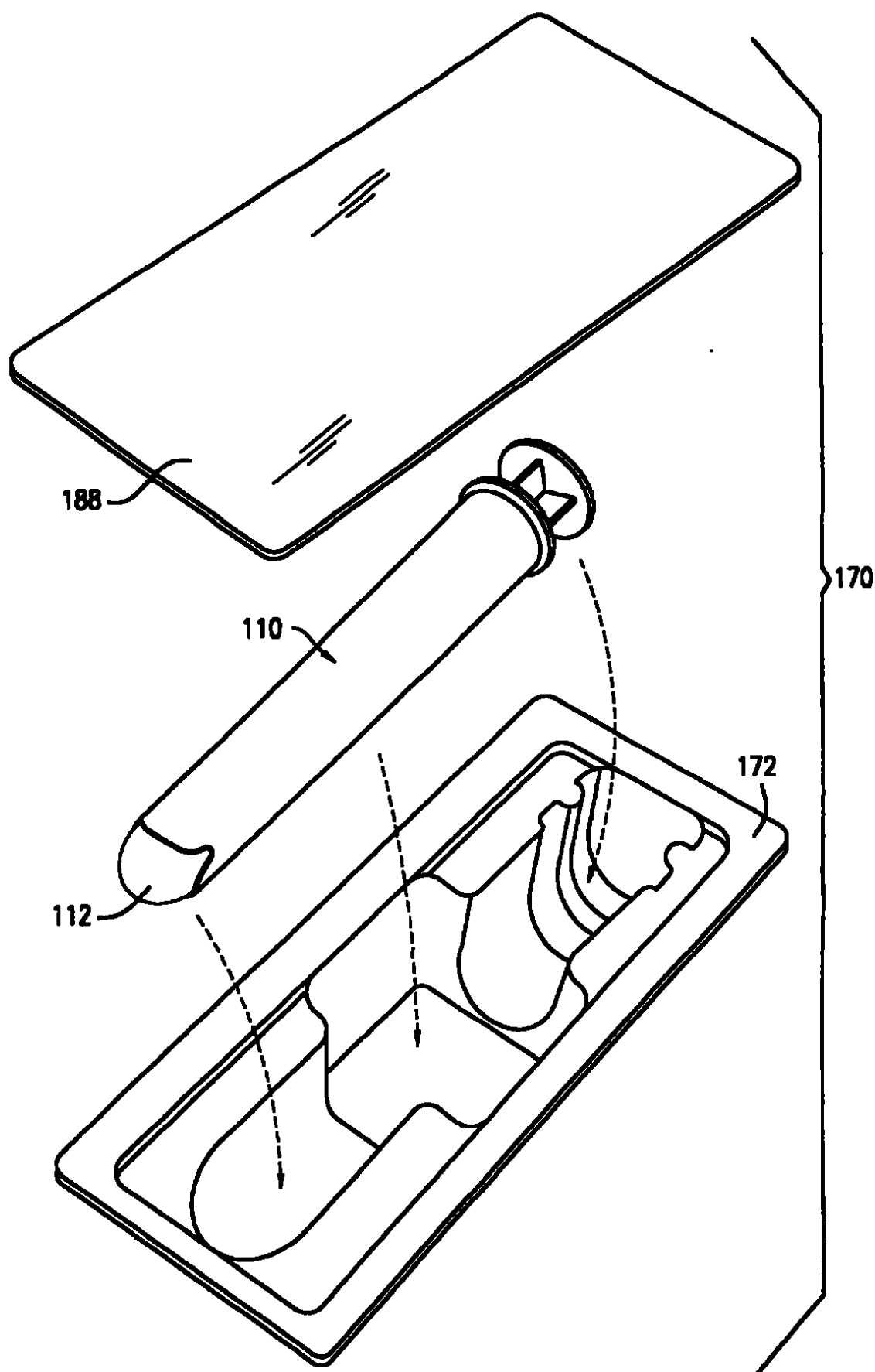


FIG. 11

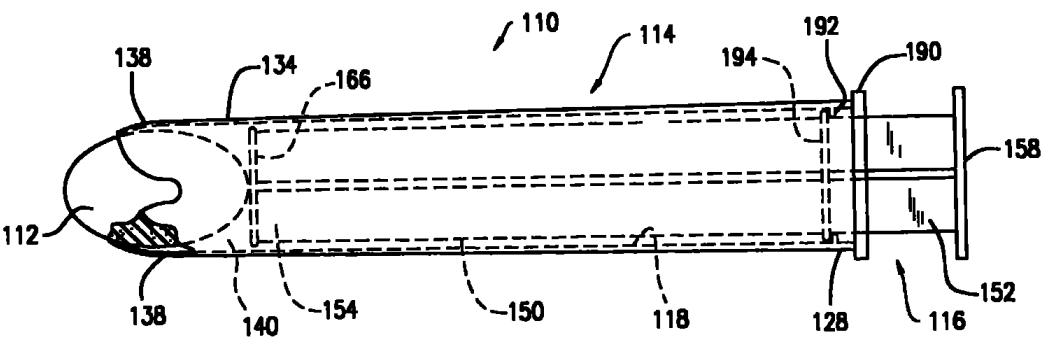


FIG. 12

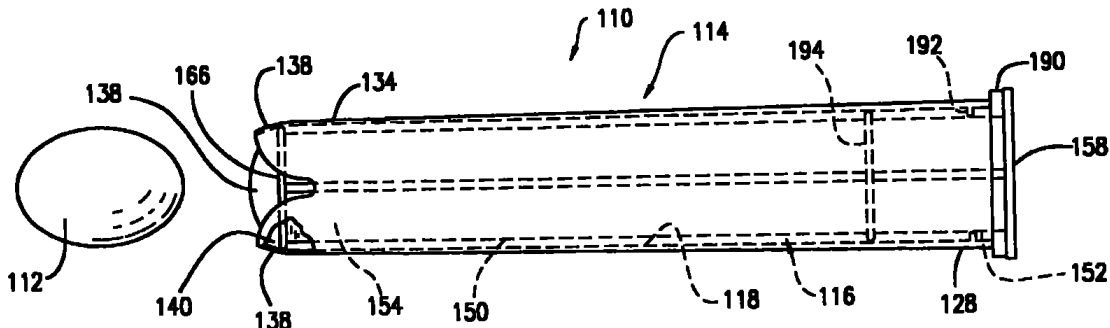


FIG. 13

45

2° EXAMEN DE FORMA, PATENTE DE INVENCION

Radicación N° 03-51018

Folio 96

Concepto Técnico N° 901

Clasificación Internacional de Patentes: A61M 5/00

Practicado el examen de acuerdo a lo establecido en el Art. 38 de la Decisión 486, se determinó que esta solicitud de Patente:

- SI ☒ NO ☐ Contiene un resumen de la invención (Art. 26-e)
- SI ☒ NO ☐ Contiene el título o nombre de la invención (Art. 27-d)
- SI ☒ NO ☐ Contiene la descripción de la invención (Art. 26-b)
- SI ☒ NO ☐ NO ES APLICABLE ☐ Contiene los dibujos necesarios para comprender la invención (Art. 26-d)
- SI ☒ NO ☐ Contiene una o más reivindicaciones (Art. 26-c)
- SI ☐ NO ☐ NO ES APLICABLE ☒ Han sido desarrollados los productos a partir de recursos genéticos o de sus productos derivados de los que cualquiera de los Países Miembros es país de origen (Art. 26-h)
- SI ☐ NO ☐ NO ES APLICABLE ☒ Los productos y o procedimientos han sido obtenidos o desarrollados a partir a partir de los conocimientos tradicionales de las comunidades indígenas, afro americanas, o locales de los Países Miembros, de acuerdo a lo establecido en la Decisión 391 y sus modificaciones y reglamentaciones vigentes (Art. 26-i)
- SI ☐ NO ☒ La invención se refiere a un producto relativo a un material biológico (Art. 26-j)
- SI ☒ NO ☐ NO ES APLICABLE ☐ La prioridad coincide con la materia reivindicada.
- SI ☒ NO ☐ **CUMPLE LOS REQUISITOS TÉCNICOS**

OBSERVACIONES Y OTROS: SI ☐ NO ☐ Ver hoja(s) anexa(s)

EXAMINADOR TÉCNICO: 202051

Bogotá D C, diciembre 23 de 2004.

2020
Bogotá D C

Doctor(a)
JIMENA ESCOBAR URIBE.
Apoderado (a)

REFERENCIA:	Radicación N°	03-51018
	Trámite	002
	Evento	001
	Actuación	416
	Oficio N°	1831
	Folios	001

Teniendo en cuenta que la solicitud de privilegio de patente que se tramita bajo el expediente indicado en la referencia, reúne los requisitos de forma establecidos en los artículos 26 y 27 de la Decisión 486, de la Comisión de la Comunidad Andina, y en las demás disposiciones vigentes sobre la materia, se envía el extracto de la solicitud a la oficina de comunicaciones para efecto de su publicación en la Gaceta de Propiedad Industrial, conforme lo establece el artículo 40 de la Decisión 486.

Cúmplase
Dado en Bogotá D C,

20 ENE. 2005


ALIX CARMENZA CÉSPEDES DE VERGEL
Jefe División de Nuevas Creaciones.

202051

100

Industria y Comercio
SUPERINTENDENCIA

RESULTADO DE LA CONSULTA DE PATENTES

Expediente No:	3 51018			Sec.Evento 0												
Fecha de radicación	16/06/2003															
Tipo de evento	REGISTRO/DEPOSITO/CONCESION/DEPOSITO															
Tipo de solicitud PATENTE DE INVENCION	DISPOSITIVO APLICADOR PARA SUPOSITORIOS Y SIMILARES															
Sector	(IM)															
Solicitante	MCNEIL-PPC, INC. US 566															
Clasificación	A 61 M 5 0															
Inventor(es)	PAUL B. SWICK															
Apoderado	ESCOBAR URIBE IGNACIO															
Publicación	Número 549	Fecha 28/02/2005	Np 26													
Certificado	0															
Vigencia	De	hasta														
Prioridad	US 10/172.729 14/06/2002 R															
Reivindicaciones																
Resumen																
Actuaciones	<table border="0"> <tr> <td>16/06/2003 15:59:14</td> <td>PRESENTACION</td> </tr> <tr> <td>16/07/2003</td> <td>REQUERIMIENTO</td> </tr> <tr> <td>16/07/2003 15:13:28</td> <td>REQUERIMIENTO DE INFORMACION</td> </tr> <tr> <td>25/07/2003 16:32:23</td> <td>REPUESTA A REQUERIMIENTO DE INFORMACION</td> </tr> <tr> <td>14/10/2003 14:04:01</td> <td>COMPLEMENTO DE INFORMACION</td> </tr> <tr> <td>20/01/2005</td> <td>PARA PUBLICAR FECHA POSTERIOR</td> </tr> </table>				16/06/2003 15:59:14	PRESENTACION	16/07/2003	REQUERIMIENTO	16/07/2003 15:13:28	REQUERIMIENTO DE INFORMACION	25/07/2003 16:32:23	REPUESTA A REQUERIMIENTO DE INFORMACION	14/10/2003 14:04:01	COMPLEMENTO DE INFORMACION	20/01/2005	PARA PUBLICAR FECHA POSTERIOR
16/06/2003 15:59:14	PRESENTACION															
16/07/2003	REQUERIMIENTO															
16/07/2003 15:13:28	REQUERIMIENTO DE INFORMACION															
25/07/2003 16:32:23	REPUESTA A REQUERIMIENTO DE INFORMACION															
14/10/2003 14:04:01	COMPLEMENTO DE INFORMACION															
20/01/2005	PARA PUBLICAR FECHA POSTERIOR															

Convenciones
* La actuación RESOLUCION y la actuación COMUNICACION DECISION corresponden al aviso de notificación enviado a las partes
** La actuación INFORME NOTIFICACION identifica cuando se han notificado todas las partes
*** La actuación EJECUTORIADAS identifica cuando se ha ejecutoriado la resolución.

De conformidad con el artículo 25 del Código Contencioso Administrativo la información contenida en la presente página no obliga ni compromete la responsabilidad de la Superintendencia y se constituye exclusivamente en una ayuda adicional para los usuarios de la misma. Por lo anterior, no reemplaza en ningún caso los mecanismos legales de notificación ni la expedición de certificaciones

Hay registros que presentan como información de fecha 01/01/1900 lo cual indica que la Superintendencia no dispone de información de esos expedientes en particular debido a que la información cuando fue migrada no estaba disponible

Los datos de la consulta son los que figuran en nuestra base de datos. Si observa alguna incorrección en los mismos, por favor comuníquese con la Superintendencia, mediante el correo electrónico info@sic.gov.co