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Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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(54) Title: SYSTEM TO ENABLE RELIABLE FEMALE ORGASMIC RESPONSE DURING SEXUAL INTERCOURSE

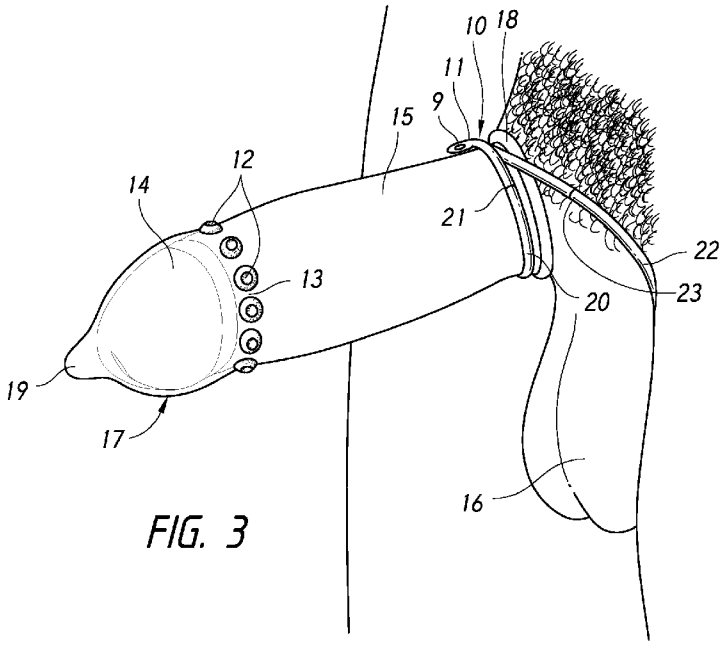

FIG. 3

(57) Abstract: The present invention generally relates to a system directed to enabling women to reliably and consistently achieve orgasm during sexual intercourse and specifically to a system comprising a specially designed condom used with a specially designed clitoral stimulator.

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System to Enable Reliable Female Orgasmic Response During Sexual Intercourse

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application takes benefit of Sri Lankan Prov. App. No. LK/P/1/17024 filed January 23, 2013.

FIELD OF THE INVENTION

[0002] The present invention generally relates to a system directed to enabling women to reliably and consistently achieve orgasm during sexual intercourse and specifically to a system comprising a specially designed condom used with a specially designed clitoral stimulator.

BACKGROUND OF THE INVENTION

[0003] The enhancement of female orgasmic performance, particularly frequency during intercourse, is a long sought after goal. It is well known that women achieve orgasm far less consistently than men orgasm and ejaculate during intercourse. Some researchers believe that women achieve orgasm only 25% of the time through intercourse whereas the same women achieve orgasm 80% of the time during oral sex.

[0004] A woman's ability to achieve orgasm reliably has been correlated to sexual encounters that feature more than one stimulus. For example, data from the Australian Study of Health and Relationships conducted during 2001–2002 noted the frequency of several commonly used practices. Specifically, couples utilized: "vaginal intercourse alone (12%), vaginal + manual stimulation of the man's and/or woman's genitals (49%), and vaginal intercourse + manual + oral (32%)." The study continues noting that, "Men had an

orgasm in 95% of encounters and women in 69%. Generally, the more practices engaged in, the higher a woman's chance of having an orgasm."

[0005] This is an unsurprising finding given the anatomical structure of the female genitalia. The primary role of the clitoris in orgasmic development is undisputed, but it is well known that the vaginal walls are also well innervated and may contribute to the orgasmic reflex. The so-called Gräfenberg Spot ("G-Spot") first identified in 1981 by German gynecologist Ernst Gräfenberg has been thought a likely candidate for some time. Only recently have extensive neurological studies demonstrated compelling evidence for its existence and postulated location on the anterior wall of the vagina posterior to the urethra and urinary bladder approximately 1 cm deep in the vaginal wall.

[0006] For some women, stimulating the G-Spot creates a more intense orgasm than that achieved by means of mere clitoral stimulation. Thus, a system whereby the clitoris and G-Spot are stimulated simultaneously during sexual intercourse would be highly desirable. Such systems are known in the prior art, however they all feature G-Spot stimulators that include rings, spikes, or protrusions projecting from the surface of a ring or condom worn about the penis. These protrusions apply rhythmic outward pressure on the vaginal walls during intercourse, thus stimulating the G-Spot.

[0007] The present invention adopts a novel approach to simultaneously stimulate the clitoris and G-Spot. In lieu of rings, spikes or protrusions the present invention features a condom equipped with a multiplicity of outwardly projecting digital suckers each comprising a bump with an apical suction cup. One or more rows of these digital suckers are arranged around the area of the condom ordinarily disposed over the corona of the penis. As a result, during intercourse the digital suckers adhere to the vaginal wall adjacent to the coronal area

of the penis everting it and pulling it slightly as the corona slides past. This creates a unique stimulatory effect. To affect the necessary stimulation of the clitoris, the male also wears a soft lingula apparatus protruding forward along the dorsal surface of the base of the penis. Thus by means of this "digital sucker condom" and the lingula apparatus, the wearer is able to simultaneously stimulate a female partner's G-Spot and clitoris.

SUMMARY OF THE INVENTION

[0008] The present invention comprises two interrelated parts: 1) A condom with a multiplicity of outwardly projecting bumps each with at least one apical suction cup arranged around the area of the condom ordinarily disposed over the corona of the penis; and, 2) A lingula apparatus comprising a soft, hollow generally tubular or conical shaped lingula affixable along the dorsal root of the erect penis such that the lingula extends forward with its long axis parallel to the long axis of the penis. These two interrelated parts are used together to cause simultaneous vaginal (particularly G-Spot) and clitoral stimulation and thus causing female orgasm to be more reliably attained.

[0009] The invention is used in the following manner: First, the male applies the digital sucker condom over the erect penis such that the multiplicity of outwardly projecting bumps each with an apical suction cup are disposed over the corona of the penis. Next, the male affixes the lingula apparatus along the dorsal root of the erect penis such that the lingula extends forward with its long axis parallel to the long axis of the penis. Next, the couple has sexual intercourse in the usual "couple facing" or "missionary" position wherein the penis is rhythmically inserted in and withdrawn from the vagina. During each inward and outward stroke, the condom's digital suckers adhere to and slightly evert the walls of the vagina as the digital suckers pass by. This stimulates the walls of the vagina including the G-

Spot. Simultaneously, the lingula apparatus rhythmically stimulates the clitoris. By means of this simultaneous G-Spot and clitoral, female orgasm is more reliably attained.

BRIEF DESCRIPTION OF THE DRAWINGS

[0010] Fig. 1a is view of the digital sucker condom applied to the erect penis of the male according to one embodiment of the present invention.

[0011] Fig. 1b is a cross-section view of the digital sucker condom showing the ring-like arrangement of the digital suckers according to one embodiment of the present invention.

[0012] Fig. 1c is a detail view of one of the digital suckers according to one embodiment of the present invention.

[0013] Fig. 2 is a view with inset detail view of the lingula apparatus with lingula, penile strap, and testicular strap according to one embodiment of the present invention.

[0014] Fig. 3 is a view showing a method of wearing a digital sucker condom and lingula apparatus with lingula, penile strap, and testicular strap according to one embodiment of the present invention.

DETAILED DESCRIPTION OF THE EMBODIMENTS

[0015] Referring now to Figs. 1a, 1b, and 1c, one embodiment of the digital sucker condom 17 of the present invention comprises a reinforcing ring 18 at its proximal end and a seminal reservoir 19 at its distal end. Arranged around the periphery of condom 17 along the area of condom 17 ordinarily disposed over corona of the penis 14, is digital sucker ring 13. Each digital sucker 12 in digital sucker ring 13 comprises a cross-sectionally trapezoidal or hemispherical digit with concave apical suction cup. Each digital sucker 12 comprises: 1) A

base affixed to the outer surface of condom 17 ranging from about 8 mm to about 12 mm in diameter, preferably about 10 mm (Dimension A) and about 2 mm to about 4 mm in height, preferably about 3 mm (Dimension B); and, 2) A concave apical suction cup ranging from about 4 mm to about 8 mm wide at the open top, preferably about 6 mm (Dimension C) and about 1 mm to about 3 mm in depth, preferably about 2 mm (Dimension D). In this embodiment, digital suckers 12 are disposed in a single digital sucker ring 13 although other arrangements of the multiplicity of digital suckers 12, including a multiplicity of digital sucker rings 13 will be readily apparent to one having skill in the art. Similarly, in this embodiment of the invention digital sucker ring 13 comprises about twelve digital suckers 12 but it will be readily apparent that by varying the size of each digital sucker 12 a greater or lesser number of digital suckers 12 may be affixed to condom 17. Further, in this embodiment of the invention each digital sucker 12 comprises a single apical suction cup, but it will be readily apparent that by varying the size of the apical suction cup, more than one apical suction cup may sit atop each digital sucker 12.

[0016] Condom 17 may be manufactured in a variety of lengths and diameters to suit a variety of users and ranges in length between about 15 cm and about 20 cm. Condom 17 is preferably constructed of latex rubber in the usual manner by dipping a glass or ceramic positive mold into rubber solution one or more times to form a condom varying generally between about 2.0 mils and about 5.0 mils thick, forming reinforcing ring 18 by means of rolling the free edge of the condom 17 with a brush or equivalent device, followed by heating condom 17 to vulcanize it. Condom 17 is then rolled off its mold, washed, cleaned, dried, and packed for subsequent use. Those having skill in the art will recognize that condoms are commonly practiced without seminal reservoir 19 and the inclusion of this

feature in the described embodiment of condom 17 is not considered limiting. Rather it will be obvious to one having skill in the art that seminal reservoir 19 may be excluded while still operating in the spirit and scope of the present invention.

[0017] Similarly, while condom 17 is preferably manufactured in latex rubber, other flexible hypoallergenic materials may be used most notably non-latex rubbers such as polyisoprene and polyurethane.

[0018] Referring now to Fig. 2, lingula apparatus 10 comprises lingula 11 and integral penile strap 20, and testicular strap 22, such that lingula apparatus 10 may be affixed directly to the penis and testicles of the male. Lingula 11 is generally tubular or conical in shape and is hollow with air hole 9 such that lingula 11 collapses when driven against the clitoral area of the female vulva and restores to its normal shape when withdrawn. In this embodiment, penile strap 20 is equipped with length adjusting closure 21 and testicular strap 22 is equipped with length adjusting closure 23.

[0019] In this embodiment, lingula 11 ranges from about 4 mm to about 10 mm in diameter, preferably about 6 mm to about 8 mm and ranges from about 4 mm to about 24 mm in length, preferably about 12 mm to about 20 mm. Penile strap 20 and testicular strap 22 are thin (ranging from about 6 mils to about 11 mils, preferably about 8 mils to about 9 mils) and narrow (ranging from about 2 mm to about 4 mm, preferably about 3 mm) so as not to impede intercourse. Penile strap 20 ranges from about 6 cm to about 15 cm in length preferably about 9 cm to about 12 cm while testicular strap 22 ranges from about 8 cm to about 20 cm in length preferably about 10 cm to about 18 cm.

[0020] In this embodiment lingula 11, penile strap 20, and testicular strap 22 are preferably molded from latex rubber and non-latex rubbers such as polyisoprene and polyurethane. Of course, other flexible, semi-rigid substances may also be used. For example, various silicone-rubber mixes and thermo-plastic elastomer (TPE) plastics are commonly used to create sexual toys and the like and all would be equally suitable. While closures 21 and 23 are preferably of the hook-and-loop type, those having skill in the art will recognize that numerous equivalent arrangements are well known in the art. Further, it will be apparent that a variant of this embodiment of lingula apparatus 10 may be constructed of sufficiently elastic material such that penile strap 20 and testicular strap 22 do not require closures and are merely stretched over the wearer's penis and scrotum respectively.

[0021] Referring now to Fig. 3, digital sucker condom 17 and lingula apparatus 10 are used in the following manner: First, after achieving an erection, the male applies digital sucker condom 17 in the usual manner over erect penis 15 such that the multiplicity of digital suckers 12 comprising digital sucker ring 13 are circumferentially disposed over and around the coronal area 14 of penis 15 and the urethral meatus is juxtaposed next to seminal reservoir 19. Next, the user places penile strap 20 of lingula apparatus 10 around the base of penis 15 over digital sucker condom 17 such that lingula 11 projects distally parallel along the dorsal root of penis 15 lying on top of digital sucker condom 17. Next, the user adjusts the length of penile strap 20 by means of hook-and-loop closure 21 such that penile strap 20 is secured around the root of penis 15. Next, the user places testicular strap 22 of lingula apparatus 10 along the perineum around and behind testicles 16. Next, the user adjusts the length of testicular strap 22 by means of hook-and-loop closure 23 such that testicular strap

22 is secured around testicles 16. Next, the couple has sexual intercourse in the usual “face-to-face” or “missionary” position until the female achieves orgasm.

[0022] With each penetrating stroke of penis 15, digital suckers 12 adhere to the vaginal mucosa and draw the vaginal mucosa anteriorly while slightly everting it. As penis 15 penetrates further, digital suckers 12 are pulled posteriorly along condom 17 stretching them. Digital suckers 12 subsequently release from the vaginal mucosa and return to their upright configuration, ready to repeat the process. Similarly, with each withdrawing stoke of penis 15, digital suckers 12 adhere to the vaginal mucosa and draw the vaginal mucosa posteriorly while slightly everting it. As penis 15 withdraws further, digital suckers 12 are pulled anteriorly along condom 17 stretching them. Digital suckers 12 subsequently release and return to their upright position, ready to repeat the process.

[0023] The sensation experienced by the female is dramatic: each penetration and withdrawal of penis 15 is accompanied by a multiplicity of stretching eversions and reversions of the vaginal mucosa along the length of the vagina. Simultaneously, with every penetration of penis 15, lingula 11 stimulates the clitoris. By means of this simultaneous stimulation, female orgasm is more reliably attained.

[0024] While the invention has been described in connection with what are considered to be the most practical and preferred embodiments, it is to be understood that the invention is not to be limited to the disclosed embodiments, but on the contrary is intended to cover various modifications and equivalent arrangements included within the spirit and scope of the disclosure. More specifically: 1) Variants that seek to increase or decrease the number of digital suckers 12; and/or, 2) Variants that seek to increase or decrease the number of digital sucker rings 13; and/or, 3) Variants that seek to alter the arrangement of digital

suckers 12 in digital sucker ring 13; and/or 4) Variants that seek to increase the number of apical suction cups on digital suckers 12; and/or, 5) Variants that seek to increase or decrease the lubricity of condom 17 or lingula apparatus 10; and/or, 6) Variants that seek to augment lingula apparatus 10 with mechanical, electrical, or chemical stimulators; and/or, 7) Other variants altering decorative, cosmetic, or sensible elements or features such as color, odor, taste, and so on are included within the spirit and scope of the present disclosure.

CLAIMS

What is claimed is:

1. A system to enable reliable female orgasmic response during sexual intercourse comprising:
   a) a condom having an open proximal end, a closed distal end, and an elongated tube portion wherein;
      i. said open proximal first end comprises a reinforcing ring;
      ii. said closed distal end is equipped with at least one circumferential sucker ring comprising a multiplicity of outwardly projecting digital suckers;
   b) a lingula apparatus further comprising:
      i. a shape regaining lingula containing a hollow void wherein said hollow void is vented to the atmosphere by means of a hole;
      ii. a penile strap for surrounding the penis used to attach the lingula apparatus thereto; and
      iii. a testicular strap for surrounding the scrotum used to attach the lingula apparatus thereto.
2. A system to enable reliable female orgasmic response during sexual intercourse of Claim 1 wherein said closed distal end of said condom communicates with a seminal reservoir.
3. A system to enable reliable female orgasmic response during sexual intercourse of Claim 1 wherein each of said digital suckers comprises:
   a) a base about 10 mm in diameter and about 3 mm in height; and
   b) an apical suction cup about 6 mm in diameter at its open end and 2 mm in depth.

4. A system to enable reliable female orgasmic response during sexual intercourse of Claim 1 wherein each of said digital suckers comprises:
   a) a base ranging from about 8 mm to about 12 mm in diameter and ranging from about 2mm to about 4 mm in height; and
   b) an apical suction cup ranging from about 4 mm to about 8 mm in diameter at its open end and ranging from about 1 mm to about 3 mm in depth.
5. A system to enable reliable female orgasmic response during sexual intercourse of Claim 1 wherein said lingula of said lingula apparatus ranges from about 6 mm to about 8 mm in diameter.
6. A system to enable reliable female orgasmic response during sexual intercourse of Claim 1 wherein said lingula of said lingula apparatus ranges from about 4 mm to about 10 mm in diameter.
7. A system to enable reliable female orgasmic response during sexual intercourse of Claim 1 wherein said lingula of said lingula apparatus ranges from about 12 mm to about 20 mm in length.
8. A system to enable reliable female orgasmic response during sexual intercourse of Claim 1 wherein said lingula of said lingula apparatus ranges from about 4 mm to about 24 mm in length.
9. A system to enable reliable female orgasmic response during sexual intercourse of Claim 1 wherein said condom and said lingula apparatus are constructed from latex rubber.
10. A system to enable reliable female orgasmic response during sexual intercourse of Claim 1 wherein said condom and said lingula apparatus are constructed from polyisoprene.
11. A system to enable reliable female orgasmic response during sexual intercourse of Claim 1 wherein said condom and said lingula apparatus are is constructed from polyurethane.

12. A system to enable reliable female orgasmic response during sexual intercourse of Claim 1 wherein said soft lingula apparatus is constructed from silicone-rubber.

13. A system to enable reliable female orgasmic response during sexual intercourse of Claim 1 wherein said soft lingula apparatus is constructed from thermo-plastic elastomer (TPE).

14. A method of using a system to enable reliable female orgasmic response during sexual intercourse of Claim 1 wherein a male partner undertakes the following steps:

a) applying said digital sucker condom such that said ring of outwardly projecting digital suckers are circumferentially disposed over and around the corona of the wearer's erect penis;

b) applying said lingula apparatus by securing said penile strap around the root of the erect penis and securing said testicular strap around the proximal base of the scrotum; and

c) performing sexual intercourse with the female partner in the usual "face-to-face" manner until the female achieves orgasm.

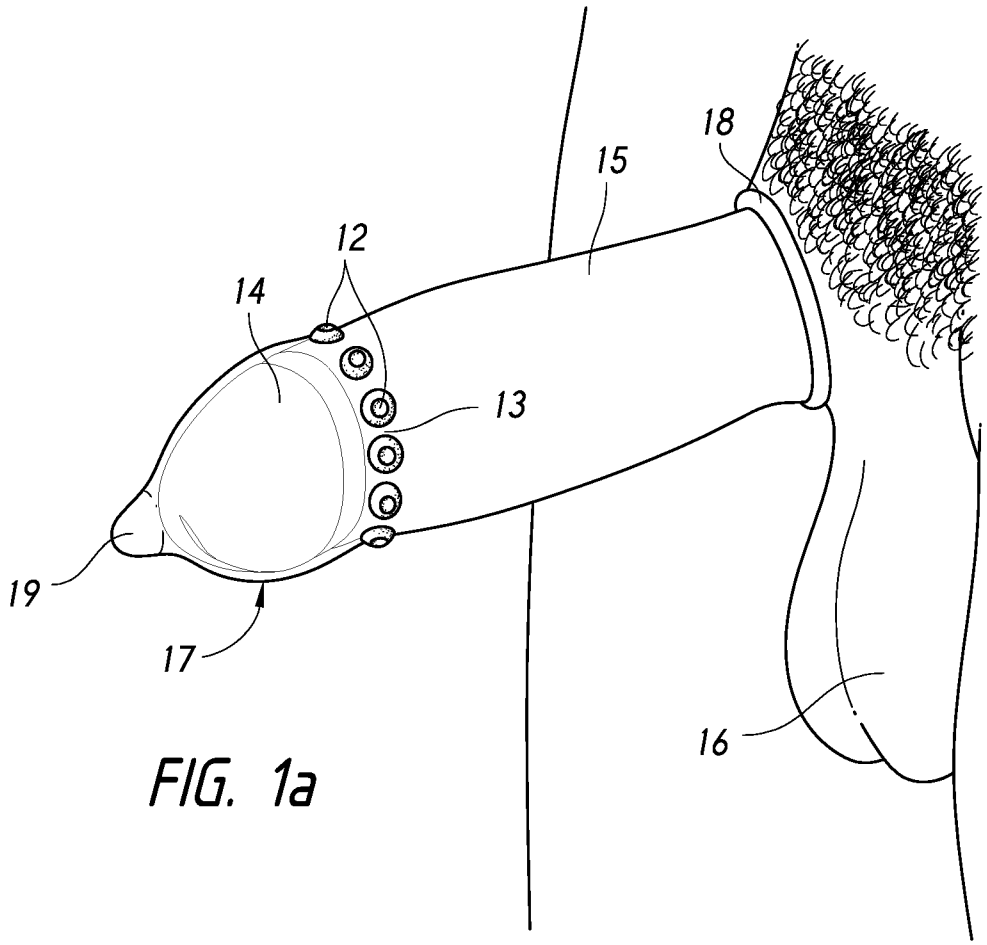

FIG. 1a

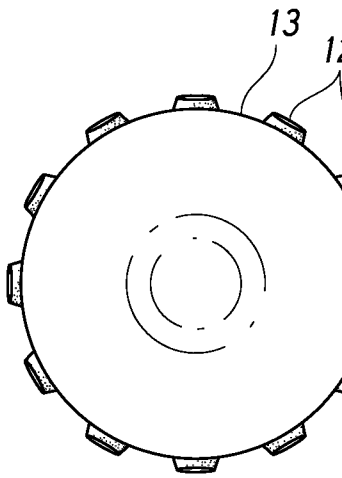

FIG. 1b

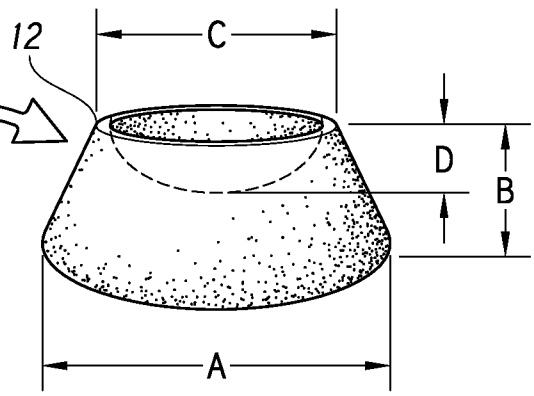

FIG. 1c

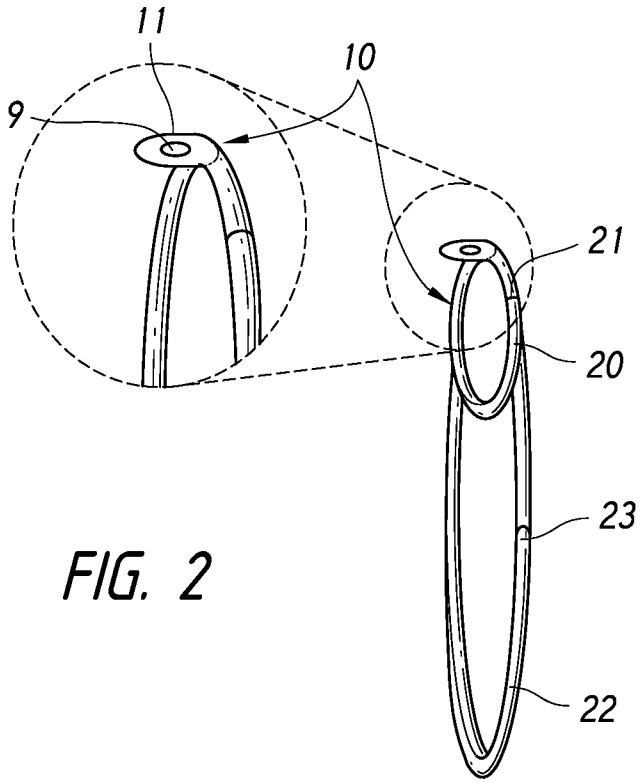

FIG. 2

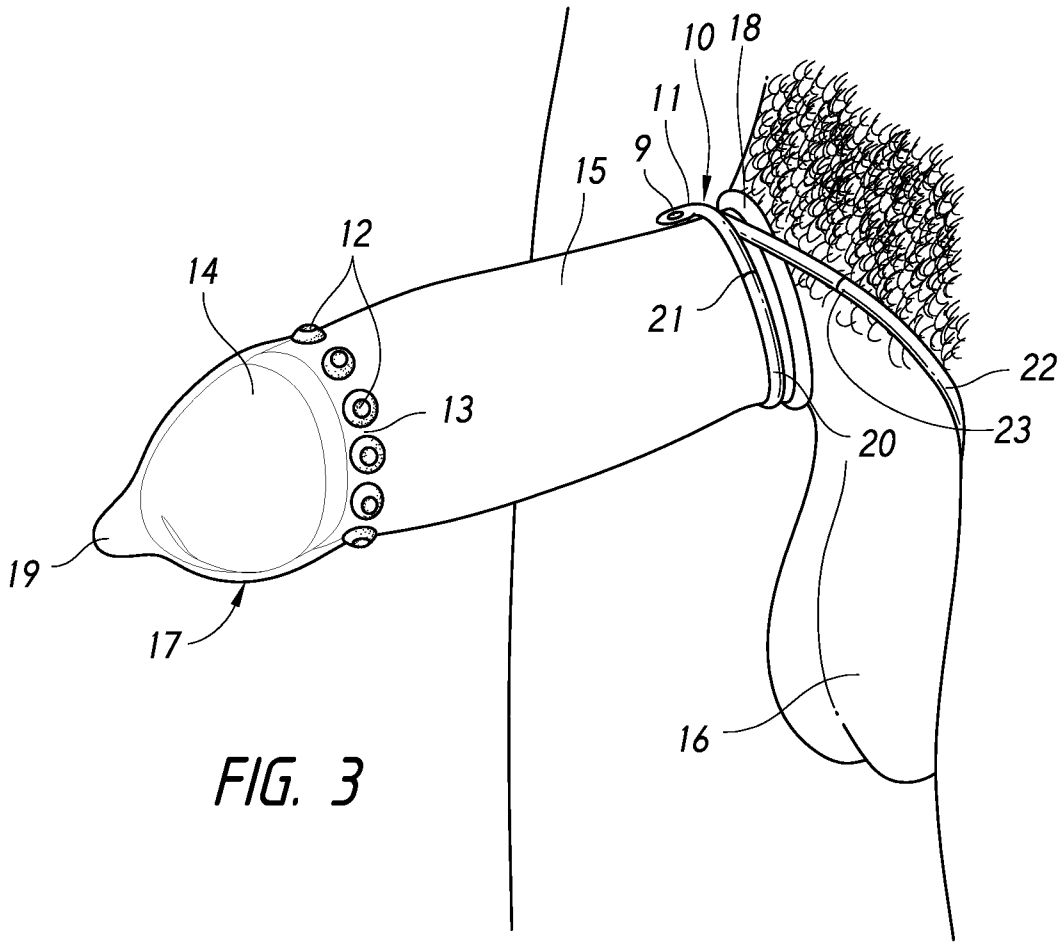

FIG. 3

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US14/12614

A. CLASSIFICATION OF SUBJECT MATTER
IPC(8) - A61H 7/00, 9/00, 19/00 (2014.01)
USPC - 601/6, 7
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(8) - A61H 7/00, 9/00, 19/00 (2014.01)
USPC - 601/6, 7

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)
MicroPatent (US-G, US-A, EP-A, EP-B, WO, JP-bib, DE-C,B, DE-A, DE-T, DE-U, GB-A, FR-A); Google; Google Scholar; Google Patent; ProQuest; PubMed/Medline; Search terms used: condom, prophylactic, prophylaxis, rubber, latex, penile, penis, sucker, "suction cup", "suction-cups", suckers, coil, loop, ring

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2006/0048784 A1 (TURNER, JA) March 9, 2006; figures 1-2, 4-5; paragraphs [0028]-[0029], [0035]-[0036]	1-14
Y	US 2006/0278236 A1 (RESNIC, D) December 14, 2006; figures 1-2, 4, 6-7; paragraphs [0062], [0150]; claims 1, 8, 12-13, 14-15, 20	1-14
Y	US 2003/0208185 A1 (SHEFFER, M et al.) November 6, 2003; figures 2-3; paragraphs [0065]-[0066]	3-4
Y	US 2007/0043332 A1 (MALCOLM, K et al.) February 22, 2007; paragraph [0095]	5-6
Y	WO 2005/034765 A2 (CHU, MSH et al.) April 21, 2005; page 4, lines 4-6	7-8
Y	US 5163447 A (LYONS, P) November 17, 1992; column 2, lines 13-15	9
Y	US 2010/0267917 A1 (ATTRILL, J et al.) October 21, 2010; paragraphs [0019], [0031]	10
Y	US 2011/0067707 A1 (HUI, JS) March 24, 2011; figure 1; claims 1, 6, 8-9	11, 13

☐ Further documents are listed in the continuation of Box C. ☐

* Special categories of cited documents:
"A" document defining the general state of the art which is not considered to be of particular relevance
"E" earlier application or patent but published on or after the international filing date
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"O" document referring to an oral disclosure, use, exhibition or other means
"P" document published prior to the international filing date but later than the priority date claimed
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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"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
24 March 2104 (24.03.2014)	10 APR 2014
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201	Authorized officer: Shane Thomas PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774