



(43) International Publication Date
21 September 2017 (21.09.2017)

- (51) International Patent Classification:
A61F 13/471 (2006.01) *A61F 13/56* (2006.01)
- (21) International Application Number:
PCT/US2016/025291
- (22) International Filing Date:
31 March 2016 (31.03.2016)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
15/070,949 15 March 2016 (15.03.2016) US
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: MALE SANITARY SHIELD

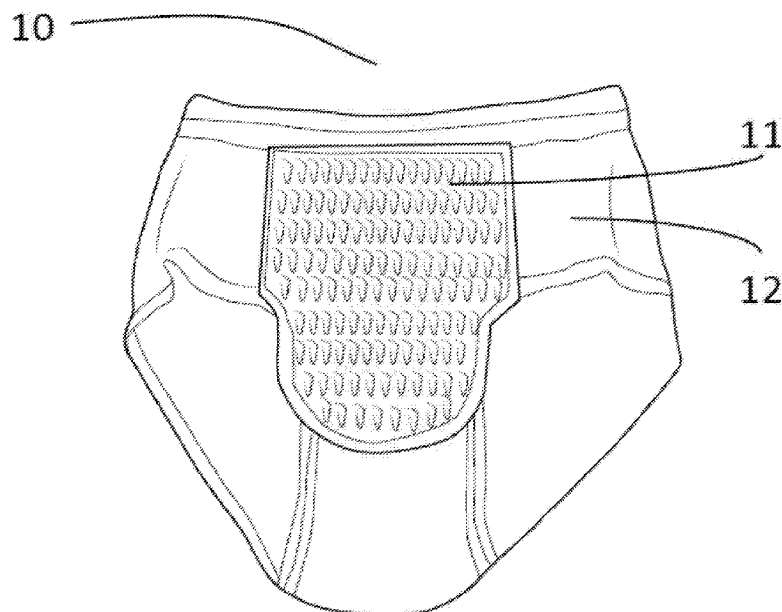


FIG. 1

[Continued on next page]





Published:

— *with international search report (Art. 21(3))*

(57) Abstract: A male urine absorbent underclothing (10) provides protection from small drops of urine due to enlarged prostate or water pills or the like. The male incontinence underclothing (10) is preferably made of doubled Swiffer floor cleaner sheet and worn inside an undergarment worn by a user.

MALE SANITARY SHIELD

FIELD OF THE INVENTION

[0001] The present invention relates to an absorbent device for male hygiene and protection. The invention, particularly relates to a urinary absorbent device to provide protection from small drops of urine due to enlarged prostate or water pills or the like of aging men.

BACKGROUND OF THE INVENTION

[0002] Generally, incontinence is the inability of a person to control their bladder or bowel functions. More particularly, there is a serious problem of male penile urinary incontinence. For many male adults, young and old, urinary incontinence is a very sensitive yet serious problem. Male urinary incontinence may be caused by a variety of factors. It can occur, in varying degrees, for example, men who have undergone a prostatectomy (surgical removal of the prostate) or other urinary tract surgeries, such as a cystectomy (surgical removal of the bladder), in diabetics with nerve damage, and in men who have had a stroke or spinal cord injury or who suffer from Parkinson's disease or multiple sclerosis, as well as diseases such as priapism and Pyronie's. Aging is also a leading cause of male incontinence. Other causes include loss of control from such actions as coughing, sneezing, and lifting, and an abnormal and overwhelming urge to urinate caused, for example, by various bladder conditions such as exposure to radiation therapy. Finally, men who are handicapped or otherwise medically compromised may have problems with incontinence. Urinary incontinence can be more than an inconvenience and an embarrassment to men, it can cause discomfort from being in wet or damp clothing as well as genital itching or a rash or infection caused by contact with discharged urine.

[0003] For males who may not have elective surgery possibly due to health complications or old age, and for those males where the urinary incontinence cannot be surgically corrected, there are very few options. If surgery is not an option for an adult incontinent, then there only remains the use of adult diapers to soak up the discharging urine. However, diapers are very annoying, costly, unsightly and obtrusive. For an active person, diapers are a nuisance. For any adult, having to wear a diaper can be unpleasant and embarrassing.

[0004] Diapers are also very undesirable because they are unsanitary. Despite significant research and development, diapers still allow the excreted fluid to remain in contact with the skin until a new diaper is applied. However, this is a serious problem for an incontinent person who is continuously

excreting small amounts of urine. It would be necessary to continuously change the diaper to avoid rashes and skin irritations completely.

[0005] Several differing techniques have been developed to either correct or ameliorate the symptoms resulting from penile incontinence. A number of different types of urine absorbing devices are present in prior art. For example, see: US Patent Application No. 11/207,372 to Barbara; US Patent Application No. 13/007,478 to Alexander; US Patent Nos. 5300052 to Yoshinori; 5618279 to Edward; 5702381 to Alan; 5716350 to Richard; 5984910 to Joseph; 6817992 to Sassak et al; 8250677 to Nicolosi; 8277426 to Wilcox et al.

[0006] Prior art, US Pat no. 8277426 discloses a male urinary incontinence device that helps prevent soiling of clothing with discharged urine, provide comfort to the male genitalia, allow sufficient freedom of movement to permit normal daily activities, and help separate the genitalia from discharged urine, thus providing a more natural feel includes a body. The male incontinence device including a body having a shell, and, the shell forming a cavity adapted to hold male genitalia. An absorbent, suitable for absorbing urine, is at least partially disposed within the cavity and a moisture barrier is positioned adjacent the body to help protect clothing from urine soiling. A liquid-permeable liner is attached to the body in a spaced-apart relation to the absorbent. To create a hammock-like effect, the liquid-permeable liner may be attached at the perimeter of the body.

[0007] Another prior art, US Patent No. 5984910 discloses an urinary incontinence device for use by a male that includes an undergarment worn closely to the body and including an opening or hole through which the penis passes and is kept upright and close to the body by a flap across the opener in the undergarment. The flap may include an occlusion device integrally incorporated therein and aligned with the opening to be positioned between the base of the shaft of the penis and the scrotum to occlude the urethral passage of the penis. The occlusion device is designed to apply sufficient pressure to occlude the urethral passage without cutting off circulation of blood within the penis through the dorsal vein. The flap design maintains and retains an optimum position of the penis and occlusion of the urethral passage to prevent urine discharge in a form fitting undergarment that allows significant freedom of movement by the wearer.

[0008] Thus, there is a need for a male urinating absorbent underclothing that is not only effective, but that fits the male genital anatomy comfortably, allows sufficient freedom of movement to permit

normal daily activities, may be worn discretely, and that helps the genitals from becoming too warm and helps prevent the genitals from coming into contact with discharged urine.

BRIEF SUMMARY OF THE INVENTION

[0009] In the view of the foregoing disadvantages inherent in the known types of absorbent underclothing now present in the prior art, the present invention provides an improved absorbent underclothing. As such, the general purpose of the present invention, which will be described subsequently in greater detail, is to provide a new and improved male urine absorbent underclothing which has all the advantages of the prior art and none of the disadvantages.

[0010] An object of the invention is to provide a male urine absorbent underclothing that provides protection from small drops of urine due to enlarged prostate or water pills or the like.

[0011] It is another object of the present invention to provide a male absorbent underclothing that is made of doubled Swiffer floor cleaner sheet.

[0012] It is another object of the present invention to provide a male absorbent underclothing worn inside an undergarment worn by a user.

[0013] It is another object of the present invention to provide an adhesive band attached to the absorbent pad to hold it in place.

[0014] In this respect, before explaining at least one embodiment of the invention in detail, it is to be understood that the invention is not limited in its application to the details of construction and to the arrangements of the components set forth in the following description or illustrated in the drawings. The invention is capable of other embodiments and of being practiced and carried out in various ways. Also, it is to be understood that the phraseology and terminology employed herein are for the purpose of description and should not be regarded as limiting.

[0015] These together with other objects of the invention, along with the various features of novelty which characterize the invention, are pointed out with particularity in the disclosure. For a better understanding of the invention, its operating advantages and the specific objects attained by its uses, reference should be had to the accompanying drawings and descriptive matter in which there are illustrated preferred embodiments of the invention.

BRIEF DESCRIPTION OF THE DRAWINGS

[0016] The invention will be better understood and objects other than those set forth above will

become apparent when consideration is given to the following detailed description thereof. Such description makes reference to the annexed drawings wherein:

[0017] FIG.1 shows the top view of the absorbent pad placed outside the undergarment.

[0018] FIG.2 shows the preferred embodiment of the absorbent pad.

DETAILED DESCRIPTION OF THE INVENTION

[0019] In the following detailed description, reference is made to the accompanying drawings which form a part hereof, and in which is shown by way of illustration specific embodiments in which the invention may be practiced. These embodiments are described in sufficient detail to enable those skilled in the art to practice the invention, and it is to be understood that the embodiments may be combined, or that other embodiments may be utilized and that structural, logical and electrical changes may be made without departing from the spirit and scope of the present invention. The following detailed description is, therefore, not to be taken in a limiting sense, and the scope of the present invention is defined by the appended claims and their equivalents.

[0020] In one embodiment, shown in FIG. 1, a male urine absorbent underclothing 10 includes an absorbent pad 11 that is worn inside the undergarment of an individual. The figure shows the absorbent pad placed over and outside the front section of the undergarment 12 of a male. The absorbent pad is made up of double Swiffer floor cleaner sheet. This material is soft to the skin and undetectable by the wearer.

[0021] In a preferred embodiment, shown in FIG. 2, the absorbent pad 11 is placed between the inner side of the front section of the underwear 12 or undergarment or like and genitals of the user or male. The absorbent pad absorbs the urine drops and in effect leaves the undergarment dry.

[0022] The sanitary underclothing of the current invention provides protection from small drops of urine due to enlarged prostate or water pills or the like. The protection avoids embarrassing spots and odor on user slacks or shorts. The sanitary underclothing is a flat surface product. It allows the user to feel confident during the day or the evening. It is a one use product and is flushable.

[0023] It is to be understood that the above description is intended to be illustrative, and not restrictive. For example, the above-discussed embodiments may be used in combination with each other. Many other embodiments will be apparent to those of skill in the art upon reviewing the above description.

[0024] The benefits and advantages which may be provided by the present invention have been described above with regard to specific embodiments. These benefits and advantages, and any elements or limitations that may cause them to occur or to become more pronounced are not to be construed as critical, required, or essential features of any or all of the embodiments.

[0025] While the present invention has been described with reference to particular embodiments, it should be understood that the embodiments are illustrative and that the scope of the invention is not limited to these embodiments. Many variations, modifications, additions and improvements to the embodiments described above are possible. It is contemplated that these variations, modifications, additions and improvements fall within the scope of the invention.

CLAIMS

I claim:

1. A male sanitary underclothing, comprising:
an absorbent pad; and
an adhesive band attached to said absorbent pad.
2. The male sanitary underclothing according to claim 1, wherein said absorbent pad is placed inside an undergarment worn by a user.
3. The male sanitary underclothing according to claim 2, wherein said absorbent pad is placed in between an inner side of a front section of said undergarment and genitals of said user.
4. The male sanitary underclothing according to claim 1, wherein said adhesive band holds said absorbent pad in place.
5. The male sanitary underclothing according to claim 1, wherein said absorbent pad is made of doubled Swiffer floor cleaner sheet.

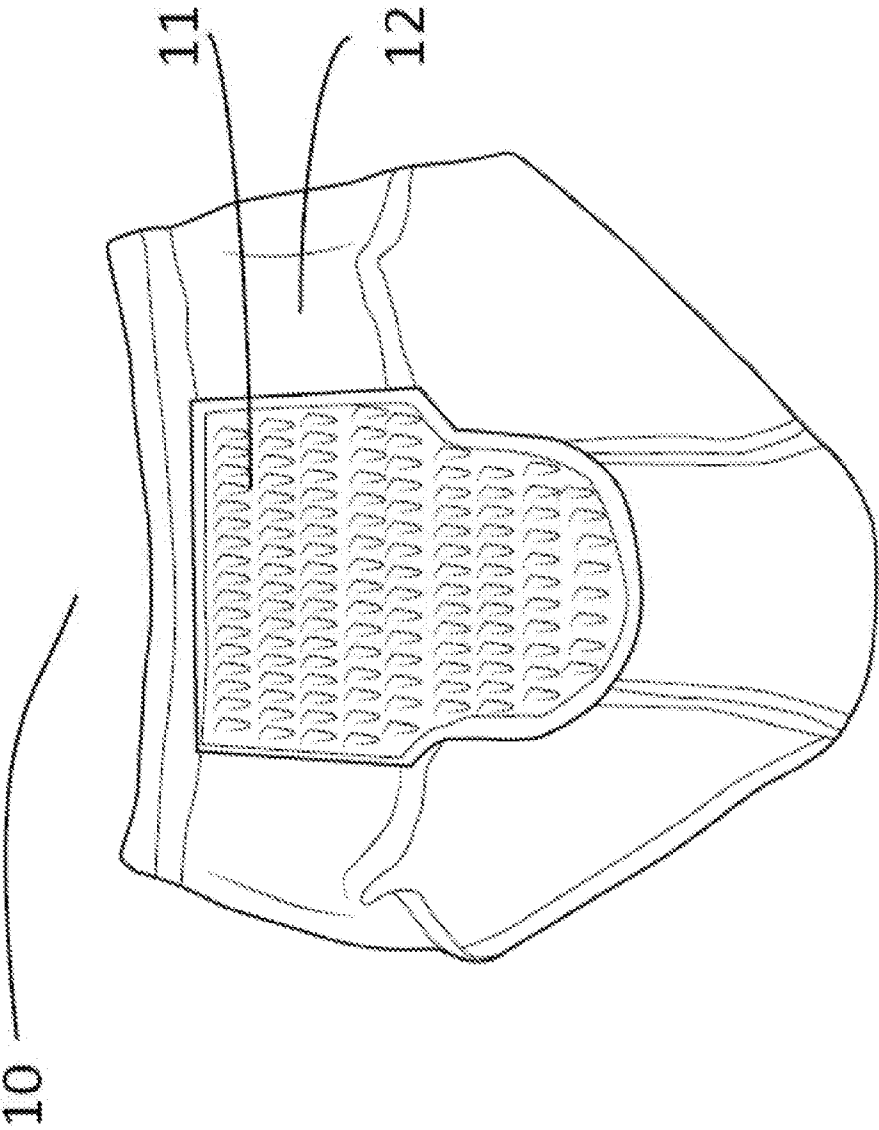


FIG. 1

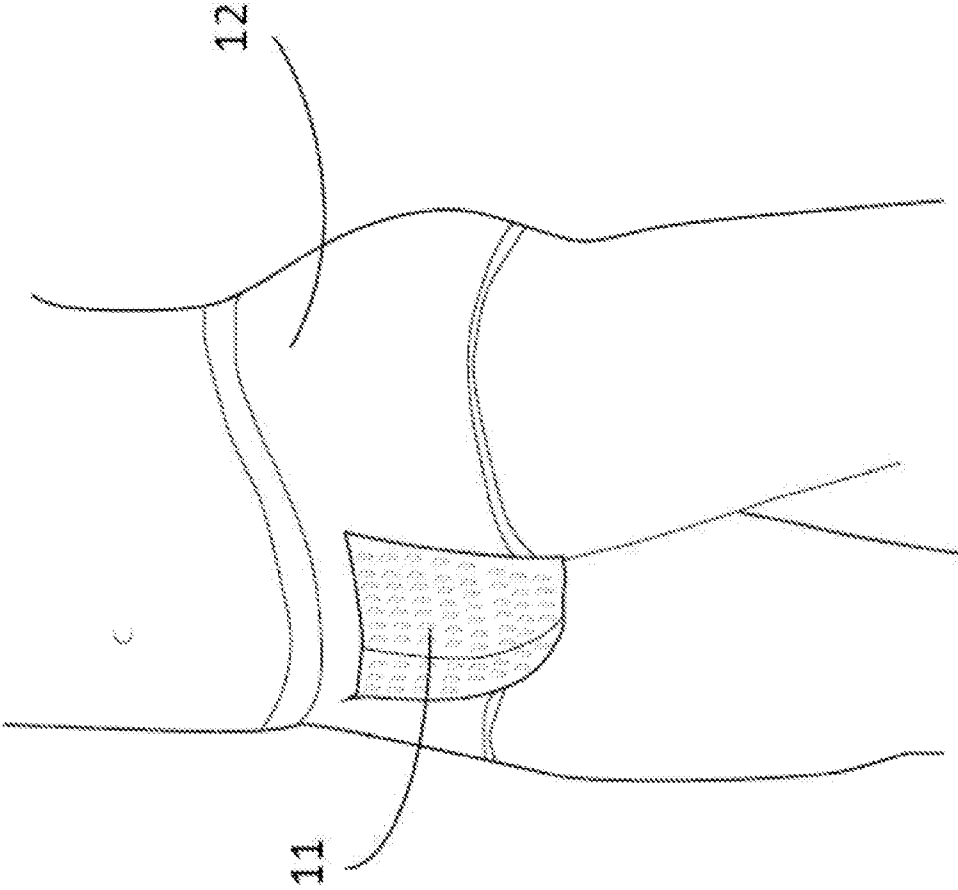


FIG. 2

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 16/25291

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A61F 13/471, A61F 13/56 (2016.01)

CPC - A61F 13/471, A61F 13/5611, A61F 13/5605, A61F 13/5146

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)
CPC - A61F 13/471; IPC(8) - A61F 13/471 (2016.01); USPC - 604/385.03Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
CPC - A61F 13/5611, A61F 13/5605, A61F 13/5146, A61F 5/4401, A61F 13/5055; IPC(8) - A61F 13/56 (2016.01); USPC - 604/387, 604/385.01, 604/358 (keyword limited; terms below)Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
PatBase; Google (Web, Patents, Scholar) Search Terms Used: sanitary underwear undergarment underpants underclothing briefs boxers pad napkin towel absorbent adhesive band member strip pad Swiffer floor cleaner urinary incontinence inner front crotch affix attach connect couple

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2010/0228217 A1 (Harsjo), 09 September 2010 (09.09.2010), entire document, especially	1-3
X		1 and 4
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Y	US 4,589,877 A (Sivilich), 20 May 1986 (20.05.1986), entire document, especially	5
Y	RAINBOWSHY "Swiffer wet pads a life saver" ADISC.org, published on 03 April 2012 (03.04.2012), retrieved on 04 June 2016 (04.06.2016), accessed at < https://www.adisc.org/forum/showthread.php/56416-Swiffer-wet-pads-a-life-saver >, entire document, especially para 1	5
A	US 2015/0053210 A1 (Mathison), 26 February 2015 (26.02.2015), entire document	1-5
A	US 6,447,493 B1 (Simpson et al.), 10 September 2002 (10.09.2002), entire document	1-5
A	US 2013/0281945 A1 (Gallo), 24 October 2013 (24.10.2013), entire document	1-5
A	US 6,048,123 A (Holt et al.), 11 April 2000 (11.04.2000), entire document	1-5

☐ 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

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"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

04 June 2016

Date of mailing of the international search report

05 JUL 2016

Name and mailing address of the ISA/US

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