



No. 12-040878- -00001-0000

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Tra. 3 MODELO Eve: 1 REGDEPOSITO
Act. 400 OPOSIOBSERVTER Folios: 62

FORMULARIO ÚNICO DE OPOSICIÓN
2000-12

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OPOSICIÓN A:

- | | |
|---|---|
| ☐ Patente de Invención | ☐ Marca Colectiva |
| ☒ Patente de Modelo de Utilidad | ☐ Marca de Certificación |
| ☐ Diseño Industrial | ☐ Lema Comercial |
| ☐ Esquema de Trazado para Circuitos Integrados | |
| ☐ Marcas de Productos o Servicios | |

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Número del expediente: 12 040.878

Solicitante: CONSTRUCTORA R.G RAFAEL GUALDRON E.U.

SOLICITUD
PUBLICADA

Apoderado: CIRO EDUARDO GOYENECHÉ FORERO.

Título de la nueva creación o denominación del signo: "PRODUCTO QUE FACILITA
A LA MUJER ORINAR DE PIE EN POSICIÓN VERTICAL"

Gaceta 641 del 30/03/2012, número de publicación 40.

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OPOSICIÓN PRESENTADA POR:

OPOSITOR	Nombre: Marking Services Dirección: Carrera 29 # 49 – 15 Edificio Centro Residencial del este. Apto. 504. Teléfono: (7) 6478329 Domicilio: Bucaramanga – Santander.	IDENTIFICACIÓN C.C. ☐ NIT ☒ C.E. ☐ Otro ☐ Número: 91253668-6 de Bucaramanga.
	Nombre: DIEGO MUÑOZ MARROQUIN Dirección: Carrera 5 No 66 - 17 Teléfono: 7496888 Fax: 4818304 E-mail: info@munozab.com Domicilio: Bogotá - Colombia	IDENTIFICACIÓN C.C. ☒ NIT ☐ C.E. ☐ Otro ☐ Número: 7.688.292 de Neiva T.P. No. 134.000 del C. S. De la J.

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FUNDAMENTOS DE LA OPOSICION:

Causal: La solicitud no cumple con lo dispuesto por los artículos 14, 16, 18, 30, 81 y 85 de la
Decisión 486 de 2000.

Justificación: Ver Anexo.

5

Comprobante de pago No. _____
(Oposición) Fecha _____
(Prórroga) Fecha _____

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Anexos:

- X Comprobante de pago de la tasa
- X Poderes, si fuere el caso
- X Pruebas de los fundamentos de la oposición
- X Certificado de existencia y representación legal de las partes, cuando sean personas jurídicas
- X Documentos que acrediten el legítimo interés, si fuere el caso
- X Copia de la oposición para el traslado al solicitante.

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NOMBRE: DIEGO MUÑOZ MARROQUIN

FIRMA: _____

C.C. No. 7.688.292 de Neiva
T.P. No. 134.000 del C. S. De la J.

muñoz^oabogados

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Carrera 5 No 66 - 17
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Tel. (57 1) 749 68 88
Fax. (57 1) 481 83 04
Email. info@munozab.com

Señores

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO

Dirección de Nuevas Creaciones.

Ciudad.

Quién suscribe, **HENRY PIAMONTE CELIS**, mayor de edad, vecino de la ciudad de **Bucaramanga**, identificado como aparece al pie de mi firma y obrando en mi condición de representante legal de la sociedad **Markin Services**, con domicilio principal en la ciudad de **Bucaramanga**, como lo acredito en el correspondiente certificado de existencia y representación legal expedido por la entidad competente, por medio del presente escrito confiero poder especial, pero amplio y suficiente a los Doctores **DIEGO MUÑOZ Y/O ARLETH AROCA Y/O CATHERINE ZEA Y/O JUAN GUILLERMO ORTÍZ Y/O GUILLERMO NAVARRO Y/O NICOLÁS POLANÍA**, Abogados en ejercicio, identificados como aparece al pie de sus firmas y miembros del bufete **Muñoz Abogados & Cía. Ltda. IURIS MARK LTDA.**, para que conjunta o separadamente soliciten, revisen e intervengan, a nombre de la sociedad que represento, en los asuntos relacionados a la presentación de un escrito de oposición al Expediente 12 040.878 relacionado a la solicitud de patente de modelo de utilidad denominado "PRODUCTO QUE FACILITA A LA MUJER ORINAR DE PIE EN POSICIÓN VERTICAL" (SOLICITANTE CONSTRUCTORA R.G RAFAEL GUALDRON E.U.).

Los apoderados quedan ampliamente facultados para el cabal cumplimiento del presente mandato, así como para recibir notificaciones, interponer recursos, desistir, transigir, recibir, sustituir en los mismos términos en que aquí se le confiere el presente mandato, reasumirlo y en general le otorga todas las facultades necesarias para adelantar la mencionada gestión.

Sírvase reconocerle Personería.

EL PODERDANTE:

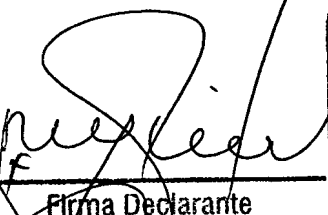
HENRY PIAMONTE CELIS

C.C. No. 91.253.668 de Bucaramanga.

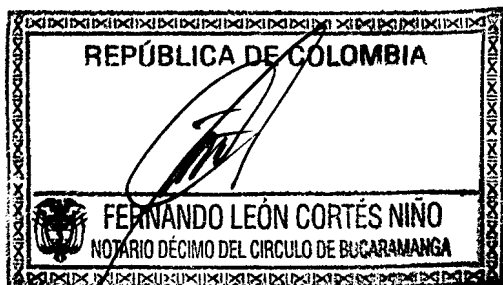
Acepto,

CE 7688212
TD 134.000



DILIGENCIA DE PRESENTACION PERSONAL Y RECONOCIMIENTO	
FERNANDO LEÓN CORTÉS NIÑO Notario Décimo del Circulo de Bucaramanga, que a continuación se describe el escrito que antecede fue presentado personalmente por:	
NOTARIA DECIMA DE BUCARAMANGA RECONOCIMIENTO  C C 9 1 2 5 3 6 6 8 TP PIAMONTE CELIS HENRY 09/05/2012 03:28:13	
Quien declaro que el contenido es cierto y que la firma que en él aparece es la suya.	
 Firma Declarante	

09 MAYO 2012



CERTIFICADO DE MATRICULA MERCANTIL DE:
PIAMONTE CELIS HENRY

EL SECRETARIO DE LA CAMARA DE COMERCIO DE BUCARAMANGA, CON FUNDAMENTO
EN LAS MATRICULAS E INSCRIPCIONES DEL REGISTRO MERCANTIL

EN JUNIO DE ESTE AÑO SE ELEGIRÁ JUNTA DIRECTIVA DE LA CÁMARA DE COMERCIO.
LAS INSCRIPCIONES DE CANDIDATOS DEBEN HACERSE HASTA EL ULTIMO DIA HABIL DE
LA SEGUNDA QUINCENA DE ABRIL. PARA INFORMACIÓN DETALLADA DIRIGIRSE A LA SEDE
PRINCIPAL O COMUNICARSE AL SIGUIENTE TELÉFONO: 6527000 EXTENSIONES: 220, 221
O 223.

C E R T I F I C A

ULTIMO AÑO RENOVADO: 2006
FECHA DE RENOVACION: 2006/03/28

ESTE COMERCIANTE NO HA CUMPLIDO CON SU OBLIGACION LEGAL DE RENOVAR
LA MATRICULA MERCANTIL (ARTICULO 33 DEL CODIGO DE COMERCIO)

C E R T I F I C A

MATRICULA: 05-117871-01 DEL 2004/12/13
NOMBRE: PIAMONTE CELIS HENRY
CEDULA DE CIUDADANIA : 91253668
NIT: 91253668-6 BUCARAMANGA

DIRECCION COMERCIAL: CRA. 29 NO. 49-15 APTO. 504 EDIF. CENTRO RESID. DEL ESTE
DOMICILIO: BUCARAMANGA - SANTANDER
TELEFONO1: 6478329
EMAIL : marking_services@yahoo.es

NOTIFICACION JUDICIAL

DIRECCION: CRA. 29 NO. 49-15 APTO. 504 EDIF. CENTRO RESID. DEL ESTE
DOMICILIO: BUCARAMANGA - SANTANDER
TELEFONO1: 6478329

ACTIVOS : 10.000.000

C E R T I F I C A

ACTIVIDAD COMERCIAL :
COMERCIO AL POR MAYOR A CAMBIO DE UNA RETRIBUCION O POR CONTRATA DE PRODUCTOS
MCP -

C E R T I F I C A

MATRICULA ESTABLECIMIENTO: 116312 DEL 2004/12/13
NOMBRE: MARKING SERVICES
ULTIMO AÑO RENOVADO: 2006
FECHA DE RENOVACION: 2006/03/28

ESTE ESTABLECIMIENTO DE COMERCIO NO HA CUMPLIDO CON SU OBLIGACION DE RENOVAR.

DIRECCION COMERCIAL: CRA. 29 NO. 49-15 APTO. 504 EDIF. CENTRO RESID. DEL ESTE
DOMICILIO: BUCARAMANGA - SANTANDER
TELEFONO : 6478329

C E R T I F I C A

PROCEDENCIA DE LOS ANTERIORES DATOS: QUE LA INFORMACION ANTERIOR HA SIDO TOMADA

PIAMONTE CELIS HENRY

DIRECTAMENTE DE LOS FORMULARIOS DE MATRICULA DILIGENCIADOS POR EL COMERCIANTE.

EXPEDIDO EN BUCARAMANGA, A 2012/05/09 09:09:34 - REFERENCIA OPERACION 4977276

LOS ACTOS DE REGISTRO AQUI CERTIFICADOS QUEDAN EN FIRME CINCO DIAS HABILES DESPUES DE LA FECHA DE INSCRIPCION, SIEMPRE QUE, DENTRO DE DICHO TERMINO, NO SEAN OBJETO DE LOS RECURSOS DE REPOSICION ANTE ESTA ENTIDAD, Y / O DE APELACION ANTE LA SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO.

EL PRESENTE CERTIFICADO NO CONSTITUYE CONCEPTOS FAVORABLES DE USO DE SUELO, NORMAS SANITARIAS Y DE SEGURIDAD.

EL SECRETARIO

NO CAUSA IMPUESTO DE TIMBRE

20329335



Señor

SUPERINTENDENTE DE INDUSTRIA Y COMERCIO

E.

S.

D.

REF: Expediente 12 040.878

TÍTULO SOLICITADO: PRODUCTO QUE FACILITA A LA MUJER ORINAR DE PIE EN POSICIÓN VERTICAL.

PUBLICACIÓN: Gaceta 641 del 30/03/2012, número de publicación 40.

SOLICITANTE: CONSTRUCTORA R.G RAFAEL GUALDRON E.U.

APODERADO: CIRO EDUARDO GOYENECHE FORERO.

TRÁMITE: PRESENTACIÓN DE OPOSICION

DIEGO MUÑOZ MARROQUIN, mayor de edad, identificado como aparece al pie de mi firma, abogado en ejercicio, titular de la tarjeta profesional número 44655 del Consejo Superior de la Judicatura, obrando en calidad de apoderado de la sociedad **MARKING SERVICES**, en ejercicio de lo dispuesto por el artículo 42 de la Decisión 486 de 2000, muy respetuosamente me permito formular la siguiente

I. PETICIÓN

Sírvase negar el beneficio patentario a la solicitud contenida en el expediente **12 040.878**, por no cumplir con lo dispuesto por los artículos 14, 16, 18, 30, 81 y 85 de la Decisión 486 de 2000, con base en los fundamentos que se expondrán a continuación.

II. LEGÍTIMO INTERÉS

Asiste a **MARKING SERVICES** legítimo interés para presentar esta oposición, pues la eventual concesión de la solicitud restringiría injustificadamente el empleo de un producto que a nuestro juicio carece de nivel inventivo, en



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detrimento de sus legítimos intereses comerciales. De igual manera mis clientes están interesados, por su misma condición de diseñadores y productores y comerciantes de un artefacto del mismo tipo, en evitar la concesión de privilegios de patente que incumplan los requisitos materiales de patentabilidad establecidos en las normas vigentes, y que supongan un riesgo para la libre competencia.

III. FUNDAMENTO DE LA OPOSICIÓN

La solicitud colombiana en trámite, que comprende un producto que facilita a las mujeres orinar de pie, caracterizado porque está fabricado en policloruro de vinilo (PCV), cuya parte superior es una lengüeta o "capucha" y en la parte que al usarse hace contacto con la parte baja del pubis y el periné femenino posee dos pestañas o "alas"; incumple con los requisitos indispensables para otorgársele el privilegio de patente de modelo de utilidad, tal y como se demuestra con los siguientes argumentos:

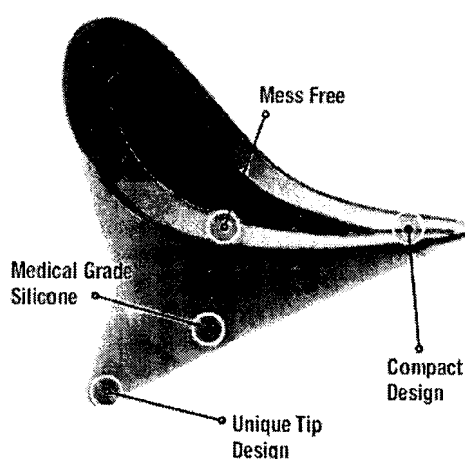
En primer lugar, la expresión "*que facilita a las mujeres orinar de pie*", presente en las tres reivindicaciones del respectivo capítulo reivindicatorio de la solicitud colombiana en trámite; define un efecto, una ventaja o un resultado a alcanzar por la invención; lo cual, es una pretensión que resulta inaceptable a la luz de la Decisión 486, en tanto los efectos, las ventajas o los resultados, no son una categoría incluida en el concepto de "*Productos o Procedimientos*" que establece el artículo 14 de la norma citada.

En este mismo sentido la reivindicación 2 es contraria a lo dispuesto en el artículo 30 de la Decisión 486, en relación a las características de claridad y concisión de las reivindicaciones, específicamente en cuanto a claridad, respecto a que los 110 y 150 grados de inclinación expuestos en dicha reivindicación no están referidos a un punto o plano específico, es decir no se sabe respecto a qué se encuentra inclinada la lengüeta o capucha 110 o 150 grados.

En segundo lugar, podemos demostrar que con anterioridad ya se habían buscado alternativas para resolver el mismo problema técnico planteado (permitir a una mujer orinar de pie o en posición vertical) a través de diversos tipos de artefactos que utilizan el mismo principio técnico planteado por la solicitud, veamos:

En la actualidad existen diferentes productos en el mercado mundial que brindan la posibilidad a las mujeres de realizar la micción de pie, algunos de estos dispositivos son reutilizables y otros no. Existen alternativas en plástico, silicona y cartón, entre otros tipos de materiales.

En España, por ejemplo, bajo la marca comercial GOGirl® se comercializa un dispositivo personal femenino¹, fabricado en silicona cuyo empaque es un cilindro que permite su transporte en un bolso, maletín o cartera.

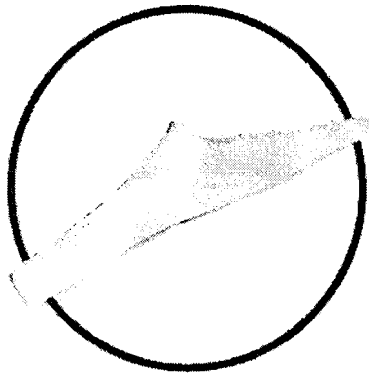


El tubo compacto que contiene el dispositivo, comprende además dos pañuelos higiénicos y una bolsa de plástico biodegradable. El producto es no estéril, es sólo para uso externo. Después de utilizar dicho dispositivo, el mismo se debe lavar con agua y jabón o en la lavadora. Si en el momento la usuaria no dispone de medios adecuados para lavarlo, el dispositivo se puede secar con dos pañuelos higiénicos y se puede guardar provisionalmente en una bolsa; elementos que vienen con el dispositivo.

A pesar que este dispositivo no coincide con todas las características técnicas del dispositivo descrito en la solicitud en cuestión, si es evidente que el principio es exactamente el mismo, y que para una persona medianamente versada en cuestiones de diseño, las derivaciones o modificaciones propuestas por la solicitud colombiana en cuestión, a partir de lo expuesto por esta anterioridad, resultan obvias.

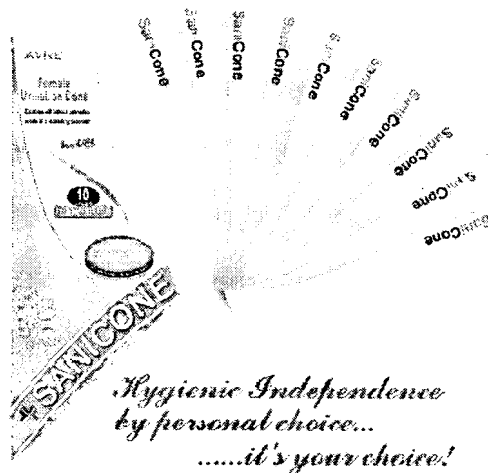
¹ <http://www.mcph.es/gogirl/default.aspx>

Por su parte bajo la marca comercial SHEWEE®, en Inglaterra², se comercializa un dispositivo de plástico moldeado tipo embudo, que también permite a las mujeres poder orinar de pie de modo sencillo, privado e higiénico y sin tener que quitarse ropa.



De la misma manera, el dispositivo es re-utilizable y tiene sus respectivos utensilios de limpieza, y maneja el mismo principio técnico que aplica en el caso de la solicitud colombiana en trámite.

En Suráfrica³ se comercializa un dispositivo denominado Sanicone® el cual cumple la misma función que los descritos anteriormente, con una diferencia importante y es que este dispositivo es desechable y mucho menos voluminoso.



Como se puede apreciar claramente, en este dispositivo ya se han dado soluciones técnicas para mejorar la portatibilidad y el inconveniente de tener que lavar el dispositivo después del uso, con características técnicas como la fabricación en material desechable y un diseño bidimensional que cobra

² <http://www.shewee.com/>

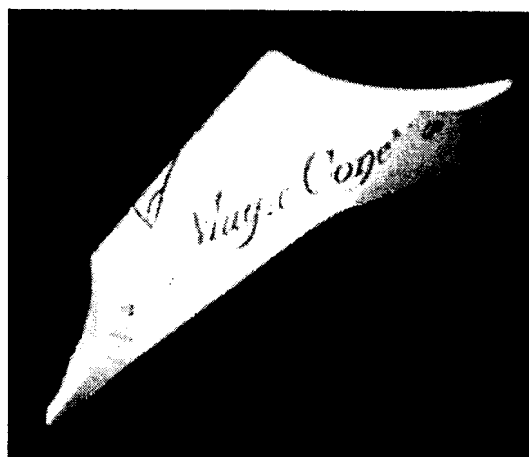
³ <http://www.sanicone.com/>

volumen únicamente en el momento del uso; con lo que lo expuesto en la solicitud Colombiana en trámite se hace mucho más obvio para una persona medianamente versada en cuestiones de diseño.

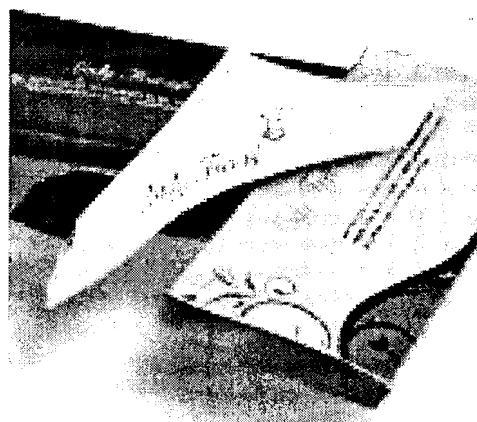
Con estas características comunes (diseños plegables bidimensionales y materiales desechables) existen otra gran cantidad de dispositivos tales como P-MATE®, producto de origen Libanes⁴; MAGIC CONE®, producto de origen Canadiense⁵; LADY FREE UP®, producto de origen Argentino⁶; y BE FREE®, producto de origen Costarricense⁷.



P-MATE®



MAGIC CONE®



LADY FREE UP®

⁴ <http://www.pmate-lb.com/>

⁵ <http://www.magic-cone.com/>

⁶ <http://ladyfreeup.com/>

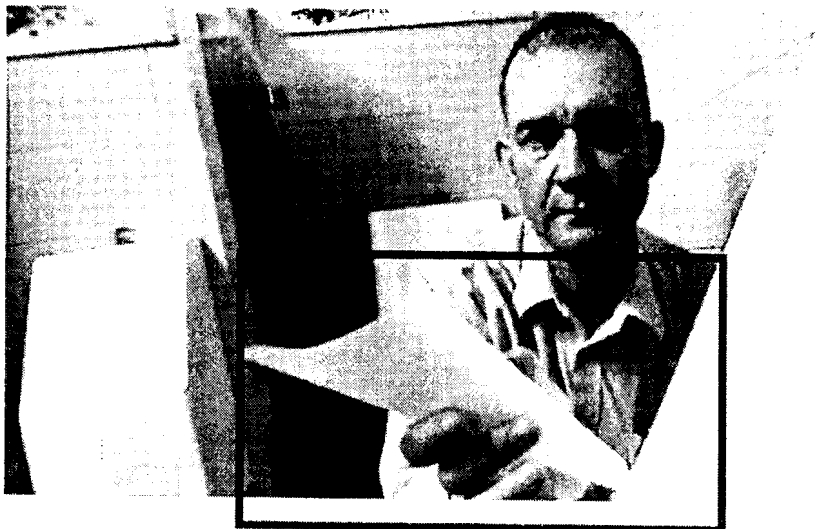
⁷ <http://www.facebook.com/BeFreeCone>

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P-MATE® es un producto fabricado en cartón fino reciclado, limpio a prueba de fugas. MAGIC CONE® es un dispositivo de papel desechable y biodegradable. LADY FREE UP® es un dispositivo en cartón con una capa plástica exterior que garantiza permanecer seca, es para un solo uso sin embargo ésta capa plástica lo hace poco amigable con el ambiente. De BE FREE® no se tiene mayor información técnica.

Inclusive en Colombia, se tiene información acerca de dispositivos del mismo tipo, tal y como lo demuestra la publicación "MUJERES PODRÁN ORINAR DE PIE EN LA OFICINA, GRACIAS A INICIATIVA DE EMPRESARIO COLOMBIANO" del periódico el tiempo el 19 de agosto de 2009⁸.

Así mismo, en el portal de Internet <http://www.lostiempos.com/> , en una publicación del 23 de agosto de 2009⁹ denominada "LAS MUJERES PODRÁN ORINAR DE PIE, GRACIAS A UN INVENTO COLOMBIANO", también revelan un dispositivo con las mismas características.



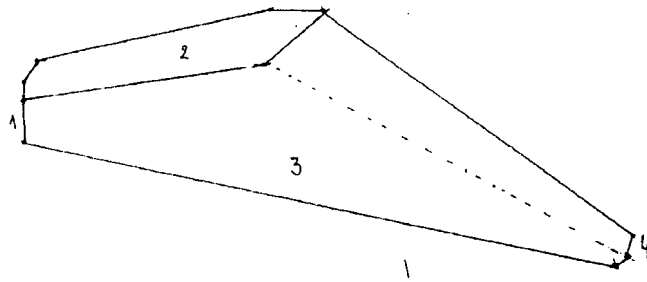
Con las publicaciones anteriores, queda en evidencia la obviedad de la solución técnica planteada por el solicitante, y de como la información previamente divulgada es una clara influencia para cualquier persona medianamente versada cuestiones de diseño o de diseño industrial.

⁸ <http://www.eltiempo.com/archivo/documento/CMS-5886768>

⁹ http://www.lostiempos.com/diario/actualidad/vida-y-futuro/20090823/las-mujeres-podran-orinar-de-pie-gracias-a-un-invento_31459_51327.html

Siguiendo con la misma línea de argumentación, pero enfocándonos un poco más en la demostración de la carencia de novedad en el diseño propuesto por la solicitud colombiana en cuestión; podemos exponer otros documentos que contienen una información técnica mucho más detallada que la expuesta con anterioridad, y que permiten hacer más evidente la carencia de novedad de la invención, veamos:

La patente Serbia RS20050185 publicada el 15 de diciembre de 2006, revela un dispositivo auxiliar para mujeres que les ayuda a orinar de pie, que está hecho de madera resistente al agua y en forma de embudo (3).



Como se puede apreciar, este documento anticipa el principio técnico que permitiría orinar a una mujer en posición vertical, a saber, colocar un receptáculo en contacto con el pubis y los genitales femeninos para recibir la orina, para posteriormente direccionarla.

Por su parte, la patente Canadiense CA 2702142 publicada el 06 de noviembre de 2011, revela un dispositivo que permite a las mujeres orinar de una manera antes no prevista (cómodamente en una posición de pie con el control direccional manual), a través de una forma única que permite capturar el flujo de orina, canalizarlo hacia abajo en el interior de "un dispositivo similar a un falo" en la parte delantera, evitando la acumulación de orina de orina en el interior de dicho "falo", ya que está siendo continuamente evacuada a través de la una abertura en la punta. Tiene un tamaño pequeño y poco peso, es fácilmente lavable y no tóxico, veamos:

"The Fenis" is a uniquely shaped solid form designed to allow women the opportunity to urinate in a manner similar to that of her counterpart, the human man. The fenis offers women the ability to comfortably urinate in a standing position, in a controlled and manually directed stream. The fenis offers women a compact, lightweight, hand held hygienic solution in public washrooms, while travelling, or in the comfort of home.

(...)

The Fenis is designed to function as simply as possible. One half of the unit is an open top, soft flexible human female urine receptacle, (item 1 in diagrams) to be held under and against the female genital area during urination, one end of which has an internal circular opening below the connected pivot point/thumb/pubis rest, (item 4 in diagrams) connecting internally to the inside of the attached hollow flexible tubular phallus (item 2 in diagrams). The receptacle has a minimum length of 2" and maximum length of 6" from connected pivot point to

(...)

The finished product of the fenis, will be a silicone, latex, or pvc casting (likely created via injection molding) as one solid piece with no individual moving parts. A flexible material is ideal as it allows the pivot

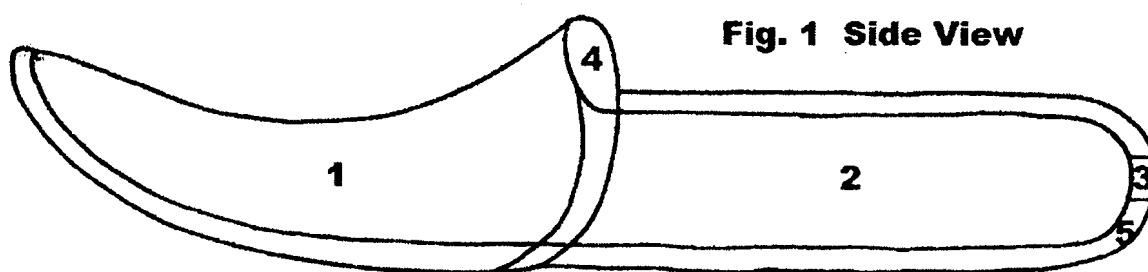
(...)

2. The Urinary stream converter described in claim 1 consisting of the Tapered Urine Receptacle designed to be held under and against the female genitals, collecting urine release and directing in a continuous downward motion combined with the element of the pivot point/thumb/pubis rest enabling comfortable grip and thumb pressed pivot for folding, combined with a flexible connected downward sloping hollow tubular phallus, hemispheric at the tip inside and out, containing a round, oval, square, diamond, star, water drop, eye or heart shaped centred opening at the tip, through which the urinary stream is expelled in the desired direction manually, emulating urination in the style of the human man.

(...)

9. The form referred to in previous claims, allowing women to urinate standing in a manually controlled stream.

(...)



- 1. Receptacle
- 2. Phallus
- 3. Urethral Hole
- 4. Pivot Point/Thumb/Pubis rest
- 5. Hemispheric Rounded Tip

Como se puede apreciar, este documento anticipa, en primer lugar, el principio técnico que permitiría orinar a una mujer en posición vertical, a saber, colocar un receptáculo en contacto con el pubis y los genitales femeninos para recibir la orina, para posteriormente direccionarla; y en segundo lugar, tiene en común el material solido, impermeable y flexible con que se fabrica el dispositivo, específicamente el PVC, así como el dispositivo sea de una única pieza. Lo anterior deja en evidencia la carencia de novedad, al menos en estos aspectos técnicos mencionados.

En cuanto al material de fabricación, también es relevante mencionar la publicación internacional WO 2010/027284 publicada el 11 de marzo de 2010 en la cual un dispositivo diseñado para la misma finalidad que el indicado por la solicitud colombiana en trámite, también se puede fabricar en PVC, veamos:

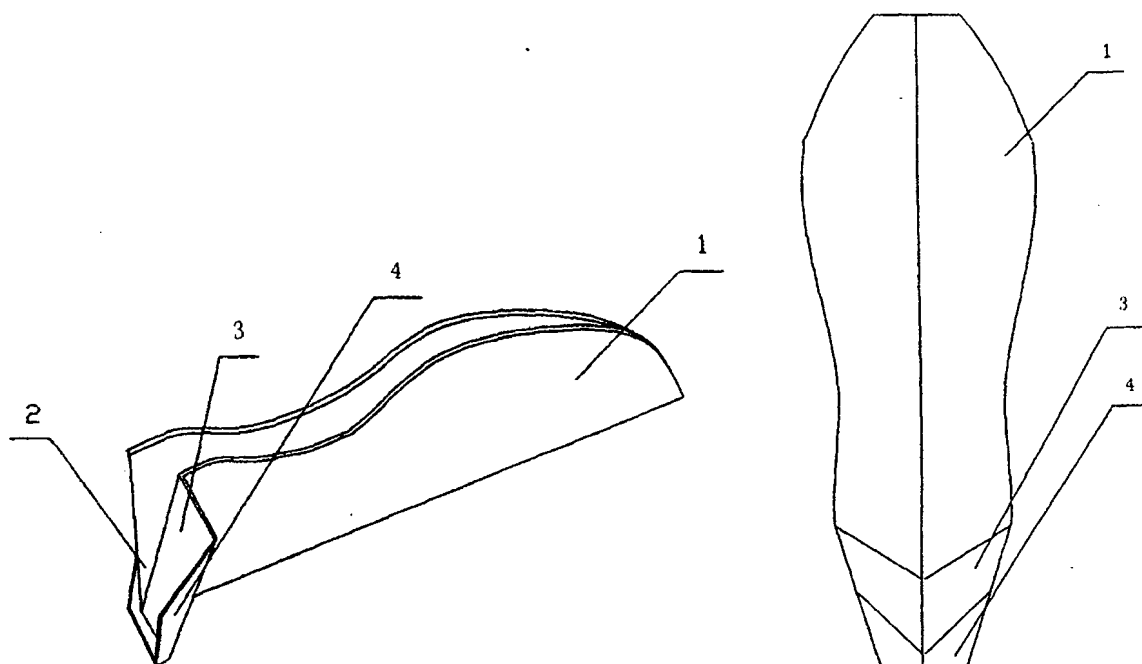
(57) **Abstract:** An urinary aid able to be positioned by a female user to allow that female user to urinate with control, the device comprising a tube-like engagement head having a urine receivable end for engaging the mouth of the urethra and a urine discharge end, tube-like engagement head comprising a locator element, located at the urine receivable end of the engagement head that allows urine from the female to access the urine discharge end of the engagement head, the locator element extending substantially transverse to the walls of the tube-like engagement head to define (a) an inner locator element region that extends from about the wall of the tube-like engagement head towards the centre of the tube-like engagement head, and (b) an outer locator element region, that extends radially outwards from the wall of the tube-like engagement head, and a conformable material attached to, or formed unitarily with, the locator element, such that positioning of the locator element by the user against the urethral opening actuates the locator element to move into a substantially sealing configuration about the users urethral opening.

(...)

In one type of urinary aid the locator element is a smooth rounded edge short nozzle made of plastic material. For example, polycarbonate, medical grade thermo-sensitive PVC material that is a non-irritant to the delicate mucous membranes of the urethra, LDPE or plastic material that is elastic and easy to mould in thin sections, or coated paper/fabric. This type of locater element has an inserting end that is small enough to be inserted into the urethra, a slightly bulging section along

Con lo que nuevamente queda en evidencia la carencia de novedad, al menos en el material de fabricación de dicho dispositivo planteado.

Por su parte la patente China CN201244114 publicada el 27 de mayo 2009, revela un modelo de utilidad que se refiere a un dispositivo a prueba de filtración y direccionador de flujo de orina. Dicho dispositivo cuenta con unas alas plegables (3) y piezas de plegado (4), que están conectados con un cuerpo director de flujo (1) que en su conjunto está diseñado para dirigir un flujo de orina a un orificio (2) en el extremo frontal del cuerpo director de flujo (1); unas alas plegables (3) que se extienden hacia la parte posterior del orificio de flujo (2), y unas piezas de plegado (4) que se extienden hacia la parte frontal del orificio (2), así como las alas plegables (3) y las piezas de plegado (4) se colocan en ambos lados del orificio de flujo (2). Sólo la parte superior se desecha después de ser utilizado, por lo que el coste puede reducirse. Una estructura a prueba de filtración está diseñada en el extremo frontal del cuerpo director de flujo especialmente para resolver con eficacia el reflujo urinario, para que las demás piezas del director de flujo no puedan ser contaminadas. El modelo de utilidad es limpio e higiénico, y es totalmente adecuado para que las mujeres puedan orinar de pie.

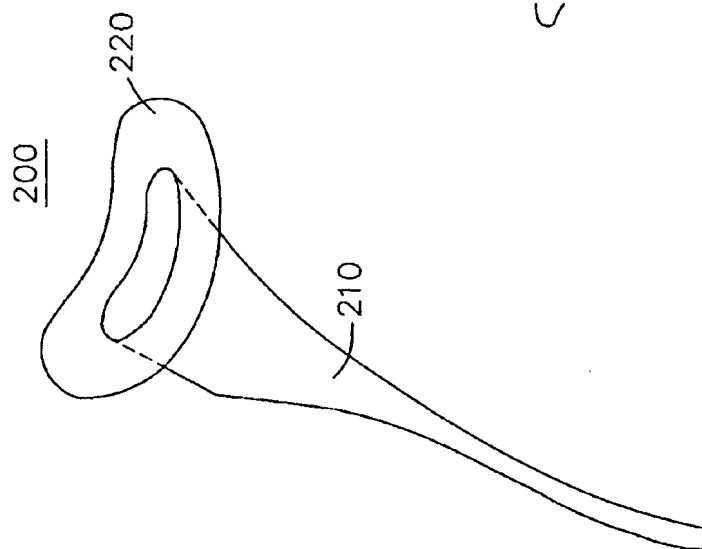


Como se puede apreciar, nuevamente se anticipa, en primer lugar, el principio técnico que permitiría orinar a una mujer en posición vertical, a saber, colocar un receptáculo en contacto con el pubis y los genitales femeninos para recibir la orina, para posteriormente direccionarla; y en segundo lugar, tiene en común la inserción de unas alas plegables o pestañas, que si bien no cumplen con la misma función que las alas o pestañas indicadas en la solicitud colombiana en trámite, ya resultan un elemento no novedoso en este tipo de artefactos.

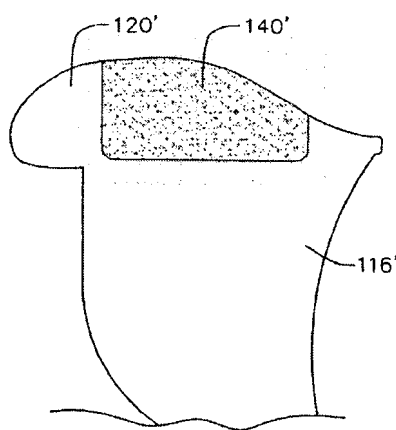
Por su parte, la patente americana US 2011030130 publicada el 10 de febrero de 2011 revela:

A flushable urinating device is provided for women comprising a foldable waste tube and wings. The waste tube has a top portion with a top edge, a bottom portion with a discharge outlet, a front side and a rear side. The front side is concaved in a direction to orient the bottom portion toward a toilet for passing a flow of urine therethrough while a user stands near and faces the toilet. The wings are coupled to the top edge of the waste tube. The wings are configured to pivot about a top portion from at least 0°-90° or more.

(...)



(...)



(...)

[0056] FIG. 4B illustrates a partial view of the PP-FUD with a flange of flanges or wings 120' folded upward and with a layer of absorbent material 140' in accordance with some exemplary embodiments of the present invention. The flange halves of flanges or wings 120' may include a layer of absorbent material 140' shown overlaid on a underside of the flanges or wings 120'. The size and shape of the layer of absorbent material 140' may vary. In an alternate exemplary embodiment, the flange halves of flanges or wings 120' may include a layer of absorbent material 140' overlaid on a top-side of the flanges or wings 120'.

(...)

2. The device according to claim 1, wherein the wings include a layer of absorbent material overlaid on a surface of the wings; and the wings are configured to be used as toilet tissue.

3. The device according to claim 1, wherein the wings have a pear shape profile, tear-drop shape profile or a heart shape wherein a narrower end of the wings is configured to be oriented in a genitalia area.

(...)

Como se puede apreciar, nuevamente se anticipa, en primer lugar, el principio técnico que permitiría orinar a una mujer en posición vertical, a saber, colocar un receptáculo en contacto con el pubis y los genitales femeninos para recibir la orina, para posteriormente direccionarla; y en segundo lugar, tiene en común la inserción de unas alas que al igual que en la solicitud colombiana en trámite, entran en contacto directo con los genitales femeninos y se encuentran recubiertas de un material, que si bien en la solicitud colombiana se implementan para mejorar la comodidad en el uso del dispositivo (mientras que en la anterioridad dicha cubierta de material absorbente sirve como material para secar los residuos de orina sobre la piel tras la micción), como característica técnica (alas recubiertas de algún material distinto) es una clara guía para cualquier persona medianamente versada en cuestiones de diseño.

En conclusión, la solicitud colombiana en trámite carece de los requisitos fundamentales para poder concedérsele el privilegio de patente de modelo de utilidad, en primer lugar porque reivindica un efecto, una ventaja o un resultado a alcanzar por la invención, así como falta al requisito de claridad en la reivindicación 2, lo cual resulta inaceptable a la luz de la Decisión 486; y en segundo lugar porque carece de novedad en los aspectos técnicos esenciales y que definen la invención, a saber, un receptáculo en contacto con el pubis y/o los genitales femeninos para recibir la orina, para posteriormente direccionarla (principio técnico que permite orinar a una mujer en posición vertical); la fabricación de dicho artefacto en PVC y la adición de unas pestañas recubiertas de un material distinto al del artefacto.

Así las cosas, y con fundamento en los argumentos expuestos a lo largo del presente escrito, respetuosamente reitero la solicitud para que su despacho se abstenga de conceder el privilegio de patente de modelo de utilidad solicitado, y ordene en consecuencia el archivo del expediente respectivo.

IV. FUNDAMENTOS DE DERECHO

Son fundamentos de derecho los artículos 14, 16, 18, 30, 81 y 85 de la Decisión 486 de 2000 (Requisitos de Patentabilidad y disposiciones para modelos de utilidad) y el artículo 42 (Oposiciones) de la Decisión 486 de 2000.

V. PRUEBAS

Ruego que se tengan como tales, sin perjuicio de las que puedan presentarse al vencimiento de la prórroga solicitada, y de aquellas que el Despacho considere oficiosamente, las siguientes:

- ✚ Copia de todas las páginas de internet y artículos periodísticos citados en el acápite de Fundamentos de la Oposición.
- ✚ Copia de la patente Serbia RS20050185 publicada el 15 de diciembre de 2006.
- ✚ Copia de la patente Canadiense CA 2702142 publicada el 06 de noviembre de 2011.
- ✚ Copia de la portada y la página 21 de la publicación internacional WO 2010/027284 publicada el 11 de marzo de 2010.
- ✚ Copia de la patente China CN201244114 publicada el 27 de mayo 2009.
- ✚ Copia de la patente americana US 2011030130 publicada el 10 de febrero de 2011.

VII. ANEXOS

Para efectos del trámite correspondiente, me permito anexar al presente escrito los siguientes anexos

1. Certificado de existencia y representación legal de **MARKING SERVICES**.
2. Poder para actuar.
3. Constancia de pago de las tasas de tramitación de oposición.
4. El mencionado en el acápite de pruebas.

VIII. NOTIFICACIONES

El suscrito recibirá notificaciones en la secretaría de su Despacho o en mi oficina localizada en la Carrera 5 # 66 - 17, fax 7496688 ext. 5, de esta ciudad.

Señor Superintendente,

DIEGO MUÑOZ MARROQUIN

C.C. No. 7.688.292 de Neiva

T.P. No. 134.000 del C. S. De la J.



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La vida es una aventura apasionante,
encontrar un baño en condiciones no debería serlo.

Con GoGirl evitarás incomodidades en WC públicos.

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¿Qué es GoGirl?
Es un dispositivo urinario femenino que te permite hacer pis de pie, evitándote las incomodidades habituales en WC públicos. Es discreto, cómodo y fácil de usar. Más



¿Para Quién?
GoGirl es para mujeres de todas las edades que desarrollan una activa vida social y que pasan la mayoría de su tiempo fuera de casa. Salir, viajar, practicar deportes ... Más



¿Por qué vamos juntas al baño?
Si ya conoces la divertida historia sobre nuestras peripecias en los WC públicos, no te pierdas cómo cambia el cuento con GoGirl ... Más



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STAND UP AND TAKE CONTROL!

Shewee is the award winning portable urinating device for women. Shewee allows women to urinate whilst standing and without removing clothes.

Shewee and its complimentary product range are ideal products for camping, travelling, festivals, long car journeys, and any kind of outdoor pursuit where the toilet facilities are absent or less than desirable.

Shewee is easy to use, discreet, reusable, lightweight and it fits in a pocket.

Shewee is available on NHS prescription for all types of medical purposes.

Shewee is NATO approved and supplied to armed forces worldwide.

Uncomfortable squatting, sitting on unhygienic toilets and embarrassing bare bottoms are officially a thing of the past!

For more information about the Shewee company and Shewee products, please click [here](#).

To buy Shewee products, please click [here](#).



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- Shewee trends on Twitter because of Harry Styles
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- British Red Cross lists winter weather survival kit!
- Sarah Millican gets a Shewee!
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- Wee Family Pack reviewed in OCC Outdoor!
- Phillip Schofield mentions Shewee on This Morning's Guess the Gadget!
- Shewee on 8 Out of 10 Cats!
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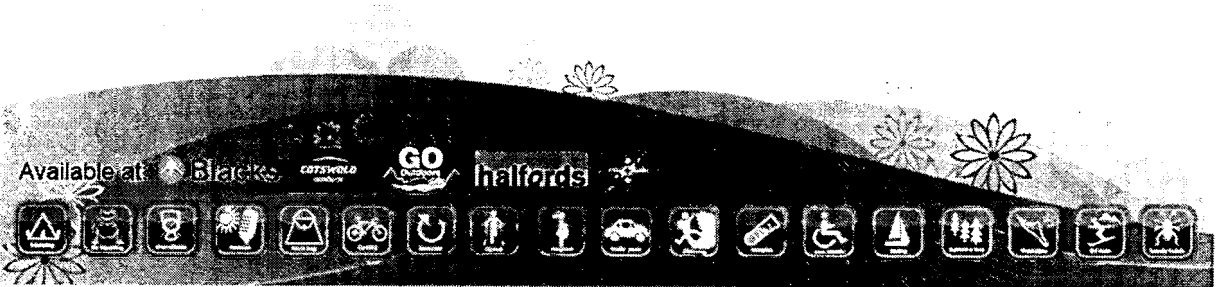
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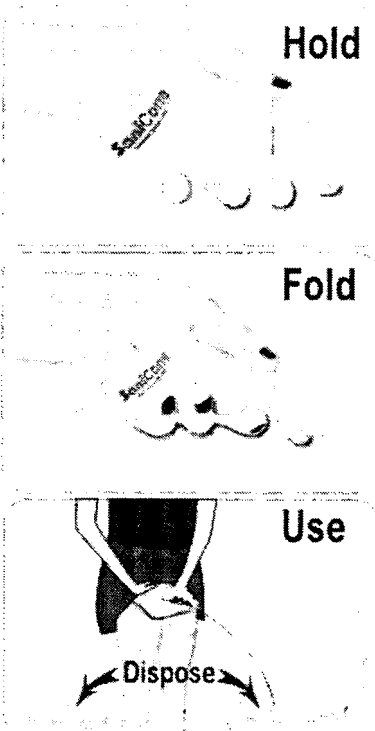
SaniCone

Female Hygienic Urination Device!

About Toilet Bacteria

More About SaniCone

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SaniCone

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Public Toilet Phobia

Opening the cubicle door, you cringe!

A cold shiver runs up your spine and a small knot tugs in the depth of your belly! Your eyes scan the dirty messy toilet seat! Your imagination runs rife, knowing what is lurking there. The acrid odour fills your nostrils. You know this unsavory smell means germs and bacteria..... Lots of them!

Indecision and hesitancy take over the urge to sit and do your urgent business!

You contemplate squatting as a last resort! You are not alone in this fear of dirty public toilets!



© SaniCone

BE
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Nothing to Fear But Germs Themselves

Nearly 30 percent of Americans avoid public restrooms out of fear of germs, according to a recent poll conducted by Georgia-Pacific Corp., Atlanta.

Many of the common illnesses transmitted in public restrooms include colds and flu, skin infections, intestinal illnesses and also potentially fatal illnesses, such as those caused by salmonella bacteria, E. coli and hepatitis.

Scabies - also known as crabs, or pubic lice, can be picked up from toilet seats and unless you have sharp eyesight, you won't see these tiny critters before you seat yourself down.

Other diseases known to be transmittable through contaminated toilet seat contact include:

- **SARS** - Severe Acute Respiratory Syndrome - See foot of page!!
- **Enteroviruses** - responsible for gastroenteritis
- **Herpes** - Caused by virus called HSV (Herpes Simplex Virus)
- **Parasites** - Trichomonas vaginalis - Scabies - Phthiriasis pubis - Pubic lice.
- **Veneric Diseases** - Gonorrhea, infection by bacteria gonococcus. (Low incidence but possible)

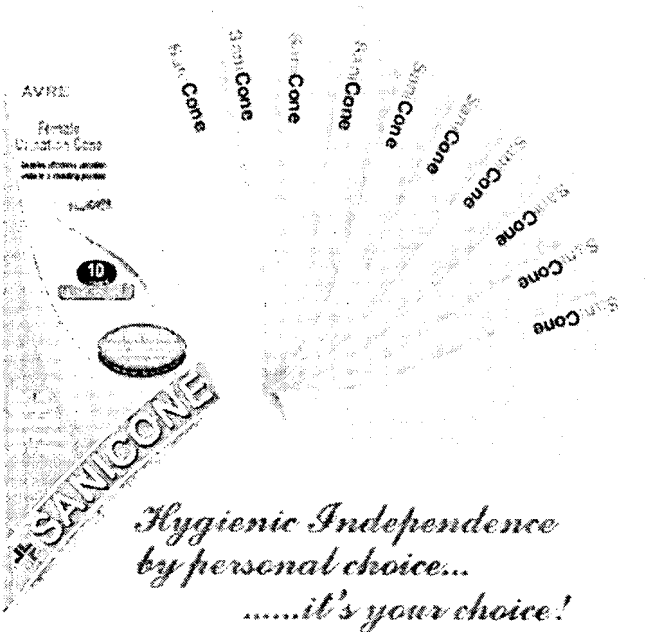
So you are not alone in your toilet phobia!!
You are just one of millions of others who fear the same thing!
Rightfully so!

While some experts say the chance of catching germs from a toilet seat are scant and that your desktop, telephone, the door handle, or kitchen sink pose a far greater risk. Well this is true to some extent, only in the case of toilets that are washed and sanitized regularly. What the experts fail to say, is that this is not the case in public toilets that are not kept in a sanitary condition

The pungent odour in a public toilet is bacteria, I doubt your desktop or kitchen sink has this odour!

IF A TOILET HAS BAD ODOUR - IT HAS BACTERIA - GUARANTEED!

Whilst you cannot control sanitary conditions of public toilet, you can take some necessary precautions using the SaniCone to protect yourself from being infected unnecessarily.



Be SaniCone SAFE - Keep SaniCone in your handbag or glove box for that urgent visit to:

- Public Toilets
- Schools, Colleges, Universities
- Workplace
- Port-a-Loo's at outdoor events
- Planes, Buses & Trains
- Camping & Hiking sites
- Boating trips
- Clubs, Bars and nights out on the town

Ergonomically Designed to fit!

Designed with comfort and ease of use in mind.

One size fits all, with perfect precision to ensure leak proof use.
The saniCone allows you to use the public toilet with complete peace of mind.

No more toilet fears with your easy to use hygienic "SaniCone"

HONG KONG - China (CNN)

Health officials studying how Severe Acute Respiratory Syndrome (**SARS**) virus is spread say they believe the disease is not transmitted in water or in the air, but could be spread by contact with a "**contaminated toilet seat**".

Not convinced! See for your self [HERE](#)



\$14-50		5 Packs @ 10 cones per pack - 50 SaniCones
£8-95		5 Packs @ 10 cones per pack - 50 SaniCones
R89-50		5 Packs @ 10 cones per pack - 50 SaniCones



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Why sit when you can stand?

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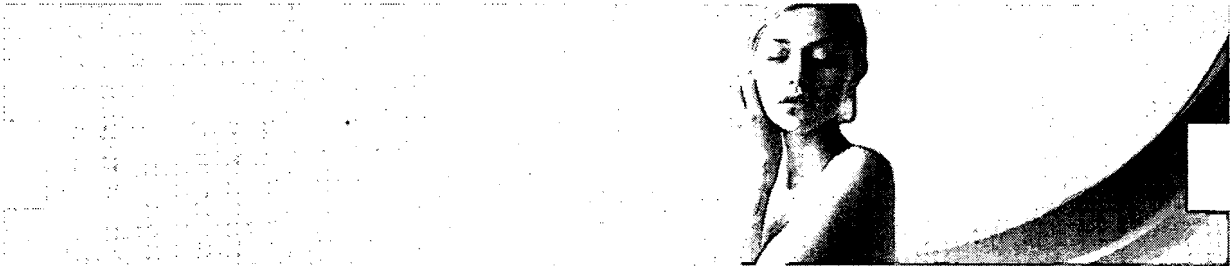


P-Mate gives women the freedom to discreetly pee standing up
Have you ever found yourself in a dirty, unhygienic toilet?
Have you ever had a full bladder with no bathroom in sight?
Have you ever been afraid to pull down your pants to squat and pee and risk being seen or peeing on your shoes?

Then the P-Mate is for you! P-Mate was invented by a creative Dutch woman. They allow girls and women of all ages the ability to neatly pee standing up.

- . The P-Mate is a revolutionary way for women to pee discreetly without having to pull down their pants and squat.
- . The P-Mate allows women to pee standing up.
- . The P-Mate is the most amazing female urinary device.
- . The P-Mate gives women the freedom to pee like men.
- . The P-Mate is clean and hygienic.
- . The P-Mate does NOT get all wet and soggy after use. You can easily slip it back into a pocket or bag for later disposal if you are outdoors where there is no garbage can.

Use the P-Mate when a (clean) toilet is not available. Ideal for use while traveling, during outdoor activities, at events, festivals, and if you need to provide a urine sample.
The P-Mate is constructed of firm, waterproof cardboard, and is shaped to the form of the female body.
The experiences of thousands of woman were used to improve the shape and quality of P-Mate. Practice makes perfect and once used you can go anywhere with P-Mate.



What is Magic Cone?

Magic Cone is a patented disposable funnel shaped, waterproof cardboard device which allows women to urinate in a standing position without any hassle. Magic Cone can be a life saver when one has no access to a clean and hygienic toilet facility.

Magic Cone is here to help travellers, sport enthusiasts, women with different debilitating medical conditions and any women who has ever been faced with the inconvenience of having to use an unsanitary toilet.

[Details](#)



Testimonials

I like Magic Cone because every time I go hiking or skiing, I don't have to wait until I go down the hill. Now I pee freely in the mountain without hiding or taking my clothes off. Magic cone, why didn't you come up with this idea years ago? Girls you must try it.

Leonie , Zurich, Switzerland

[More...](#)



Buy now!

Now you can purchase the Magic Cone on our website.

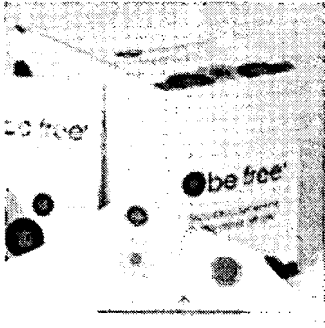
We deliver right to your door steps.

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Mujeres podrán orinar de pie en la oficina, gracias a iniciativa de empresario colombiano

"Es una estrategia de muy alta aceptación porque ganamos todos: la mujer, porque no tiene que sentarse; la empresa que lo instala porque ahorra agua", señala Oriol Ramírez.

Además, gana también "el medioambiente porque se contamina menos agua y se produce menos CO2 (gas carbónico)", aseveró.

El inodoro será cuestión del pasado si prospera el uso de un embudo desechable promovido por Ramírez que no precisa agua y no contamina el medioambiente.

"Inventamos y desarrollamos un orinal que no produce agua. Trata los gases del desagüe que producen efecto invernadero, por lo que no produce olor y no contamina", explicó a la agencia española Efe el empresario Ramírez, del noroeste de Colombia.

Para que las mujeres puedan usar este orinal ecológico, están promoviendo en las empresas y en todas las partes donde van "que orinen de pie a través de un pequeño embudo desechable fabricado en un material reutilizable", agregó Ramírez.

Cuando se tira de la cadena de un inodoro corriente se consume una media de 6 litros de agua, señala Ramírez.

Para que esta iniciativa tenga buena aceptación entre las usuarias, Ramírez y su equipo de la empresa Rago Colombia llevan a cabo campañas de sensibilización en los lugares donde instalan estos urinarios.

"Hacemos una campaña de sensibilización en las empresas que instalan los orinales para damas. En un baño, si hay cinco sanitarios, quitamos uno e instalamos un orinal; en la puerta colocamos la publicidad donde se explican las enfermedades que se pueden contraer al sentarse en un sanitario convencional y cuáles son los beneficios si se orina de pie", detalló Ramírez.

Sobre la aceptación dijo que es "muy alta", y que entre los 15 y 40 años se encuentra "más o menos en el 89%", mientras que en la tercera edad "se sitúa entre el 70 y el 75%".

El embudo que permite orinar de pie a las mujeres "ya estaba inventado y se comercializó en almacenes de cadena", sin embargo no tuvo éxito porque a las mujeres hay que explicarles "cuáles son los beneficios de orinar de pie" por no estar acostumbradas.

Lo que no estaba inventado son los orinales que utilizan agua: Con esos tres principios, Ramírez está llegando a empresas e instituciones educativas para hacer campaña.

Recommendations



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estudiando en la
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PATROCINADO POR:

más importante, evitar la producción de CO2 que se produce con los gases de los desagües", recalcó el empresario.

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Por Efe - Agencia - 23/08/2009

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Las mujeres podrán orinar de pie, gracias a un invento colombiano - Efe Agencia

Bogotá | Efe

Las mujeres podrán orinar sin necesidad de sentarse sobre el inodoro gracias a la idea de un empresario colombiano que está promoviendo el uso de un embudo desechable que no precisa agua y no contamina el medioambiente.

"Inventamos y desarrollamos un orinal que no produce agua. Trata los gases del desagüe que producen efecto invernadero, por lo que no produce olor y no contamina", explicó ayer a Efe el empresario Oriol Ramírez, del noroeste de Colombia.

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se orina de pie", detalló Ramírez.

Sobre la aceptación dijo que es "muy alta", y que entre los 15 y 40 años se encuentra "más o menos en el 89 por ciento", mientras que en la tercera edad "se sitúa entre el 70 y el 75 por ciento".

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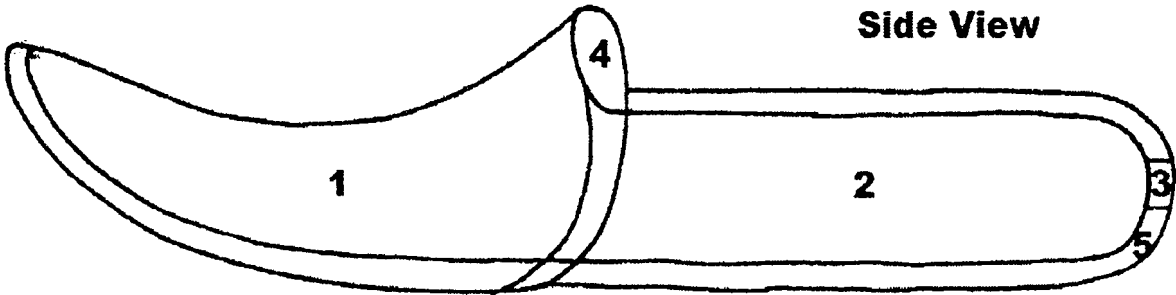
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(22) Date de dépôt/Filing Date: 2010/05/06 (41) Mise à la disp. pub./Open to Public Insp.: 2011/11/06	(51) Cl.Int./Int.Cl. <i>A61F 5/455</i> (2006.01), <i>A61G 9/00</i> (2006.01) (71) Demandeur/Applicant: HALE, RYAN, CA (72) Inventeur/Inventor: HALE, RYAN, CA
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(54) Titre : DISPOSITIF « FENIS »
(54) Title: THE FENIS



(57) Abrégé/Abstract:
The Fenis allows Women to experience urination in a way previously unavailable: through a penis. The unique form of the Fenis contours around the female genitals to capture the urinary stream, then channels the urine downward into the inside of the phallus at the front. The urine pools briefly inside the phallus, as it is continuously drained downward through the urethral opening at the tip.

The Fenis provides women the ability to urinate comfortably in a standing position with manual directional control. Its small overall size and light weight combine function with curvy and soft feminine appeal. Final products will be easily washable and non toxic. Intended for use as an adult novelty or medical urinary stream converter.

Abstract

The Fenis allows Women to experience urination in a way previously unavailable: through a penis. The unique form of the Fenis contours around the female genitals to capture the urinary stream, then channels the urine downward into the inside of the phallus at the front. The urine pools briefly inside the phallus, as it is continuously drained downward through the urethral opening at the tip.

The Fenis provides women the ability to urinate comfortably in a standing position with manual directional control. Its small overall size and light weight combine function with curvy and soft feminine appeal. Final products will be easily washable and non toxic. Intended for use as an adult novelty or medical urinary stream converter.

Detailed Description of the Invention

"The Fenis" is a uniquely shaped solid form designed to allow women the opportunity to urinate in a manner similar to that of her counterpart, the human man. The fenis offers women the ability to comfortably urinate in a standing position, in a controlled and manually directed stream. The fenis offers women a compact, lightweight, hand held hygienic solution in public washrooms, while travelling, or in the comfort of home.

The Fenis is designed to function as simply as possible. One half of the unit is an open top, soft flexible human female urine receptacle, (item 1 in diagrams) to be held under and against the female genital area during urination, one end of which has an internal circular opening below the connected pivot point/thumb/pubis rest, (item 4 in diagrams) connecting internally to the inside of the attached hollow flexible tubular phallus (item 2 in diagrams). The receptacle has a minimum length of 2" and maximum length of 6" from connected pivot point to back end, and having along its length a rounded inner and outer body shape on both sides, with a minimum overall body width of 3/4" and maximum overall body width of 2", with the opposing back end of the receptacle having an upward rounded slope form inside and outside, with the topmost back edge being sloped down under the connected pivot point to reduce backward or uphill flow. This receptacle has a curved internal and external structure on its bottom, sides, front and back, with the top being an open structure having an oblong oval or tear drop shape, having internal receptacle dimensions sufficient to fit partially inside the folded back connected hollow tube, enabling compact storage of entire unit, functioning as a portable receptacle for urine. During use this half of the unit slopes upward along the contour of the genital area from back to front to the top where the pivot point/thumb/pubis rest rests against the pubis. The tapered back edge is placed between the legs towards the back, and the receptacle is held up snugly against the genitals during urination, making a soft comfortable seal against the genital area as the fluid travels down and out the urethral hole (item 3 in diagrams) in front.

The phallus of the fenis (item 2 in diagrams) is a hollow flexible tube, inside which urine from the receptacle is collected, and continually drained; a minimum of 2 inches in length, with a minimum outside diameter of 1/2" and maximum outside diameter of 1+1/2", with walls a minimum thickness of 1/16th" to a maximum of 1/2" thick, connected to the receptacle (item 1) via the pivot point/thumb/pubis rest (item 4), the opposing end being hemispheric internally and externally (item 5), with a round, oval, diamond, square, star, water drop or heart shaped centred opening, being the urethral hole (item 3) with a minimum diameter of 1/8" and maximum diameter of 1/2", enabling continuous fluid pooling inside and continuous drainage through the hemispheric end, the collected fluid inside is expelled out and in the direction of choice, offering manual directional control via phallus flexibility, thus emulating urination similar to the method of the human man. The protection of general dimensions and functions shall apply, whether the hollow flexible tube and hemispheric end (phallus) resembles an anatomically correct human penis or not.

The finished product of the fenis, will be a silicone, latex, or pvc casting (likely created via injection molding) as one solid piece with no individual moving parts. A flexible material is ideal as it allows the pivot point/thumb/pubis rest to be pressed back into the receptacle with the thumb to fold the unit in half into itself, conserving overall space, and to easily be inserted into a small case for carrying. The flexibility also allows a comfortable feel and fit in the genital area, also offering the intended flexibility of the phallus, thus offering a somewhat lifelike experience of transgender urination. The final product will come in a variety of colours, and in a limited range of sizes including a longer or shorter receptacle or phallus. The base model phallus is approximately 3.25 inches long measured from the pivot point/thumb/pubis rest. The base model receptacle half is approximately 3.25 inches in length, and approximately 1.5 inches deep at the deep end or pivot point/thumb/pubis rest end. The overall length of the standard fenis is between 6.5 and 7 inches unfolded, less than 4 inches long folded (fig. 5), and its overall width and height is approximately 1.5 inches at its widest and highest point.

International Patent protection (including Industrial Design) will be sought for this design, and the underlying concepts inherent to its design, function and novelty.

THE EMBODIMENTS OF THE INVENTION
IN WHICH AN EXCLUSIVE PROPERTY OR PRIVILEGE
IS CLAIMED ARE DEFINED AS FOLLOWS:

1. A Compact folding hand-held female human to male human style urinary stream converter, hereafter referred to as "The Fenis" combining the elements of Tapered Urine Receptacle designed to be held by hand under and against the female genitals, collecting urine release and directing it in a continuous downward motion, under the pivot point/thumb/pubis rest, through the connected phallus with rounded tip and out through the urethral opening, forward away from the body, pooling inside permitting continuous flow and manual control in a directed stream in the style of the human man.
2. The Urinary stream converter described in claim 1 consisting of the Tapered Urine Receptacle designed to be held under and against the female genitals, collecting urine release and directing in a continuous downward motion combined with the element of the pivot point/thumb/pubis rest enabling comfortable grip and thumb pressed pivot for folding, combined with a flexible connected downward sloping hollow tubular phallus, hemispheric at the tip inside and out, containing a round, oval, square, diamond, star, water drop, eye or heart shaped centred opening at the tip, through which the urinary stream is expelled in the desired direction manually, emulating urination in the style of the human man.
3. The Urinary stream converter described in claims 1 and 2, containing the combined structural elements required to fold, unfold, capture, redirect, and expel the urinary flow of a human female downward and forward through a hollow flexible tube with rounded end containing an opening, fabricated as a single piece molded unit of any solid or flexible material of any colour.
4. The folding urinary stream converter described in claims 1, 2 and 3 in a compact functional size or basic shape configuration required to efficiently capture human female urination and expel it in a continuous and concentrated downward flow through a tube.
5. The folding urinary stream converter form referred to in previous claims consisting of the hollow teardrop or oblong oval shaped hand held urine receptacle, connected via the pivot point/thumb/pubis rest to a hollow tubular phallus with rounded tip with urethral opening, whether the phallus is an anatomically correct penis or not.
6. The form referred to in previous claims, containing a raised or imprinted logo, web address, or manufacturers mark on or inside the pivot point, receptacle, or phallus.
7. The form referred to in previous claims containing the combined central connecting element of pivot point/thumb/pubis rest, where the folding point (pivot point) is combined with the thumb rest (area held by thumb in normal hand held use) which is also connected to the pubis rest, or area touching the body just above the genitals in normal use.
8. The form referred to in previous claims, having significant improvements over any previous applications, prior art, submissions or claims, including reductions in size in overall dimensions, the addition of the space saving folding feature including reduced size pivot point/thumb/pubis rest, comfort and function improving receptacle design, and style variety of urethral hole shapes.
9. The form referred to in previous claims, allowing women to urinate standing in a manually controlled stream.
10. The form referred to in previous claims, whether packaged, promoted or used in a folded position or not.
11. The form referred to in previous claims, created using a water resistant and flexible material.

The Fenis

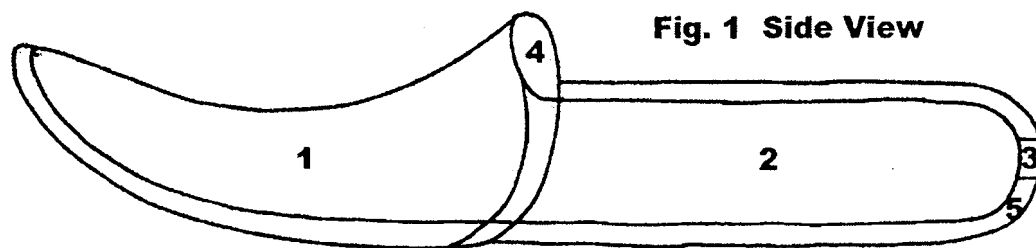


Fig. 1 Side View

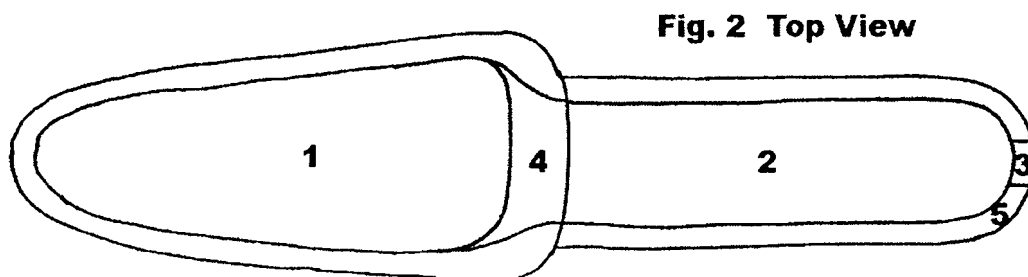


Fig. 2 Top View

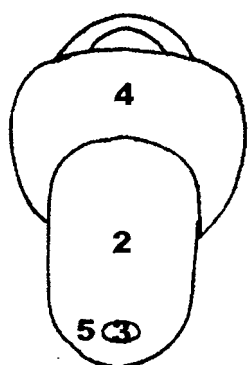


Fig. 3
Front View

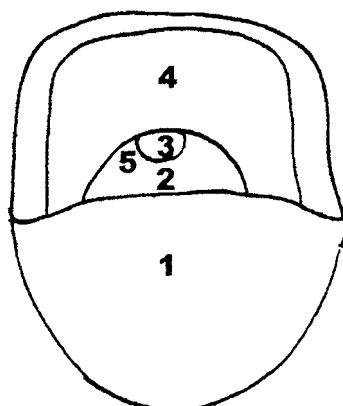


Fig. 4
Back View

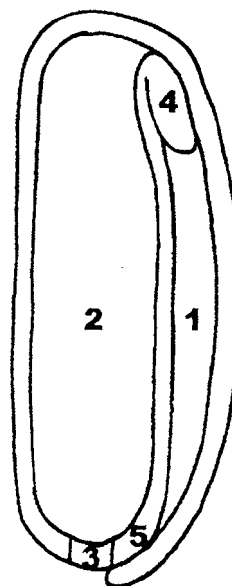
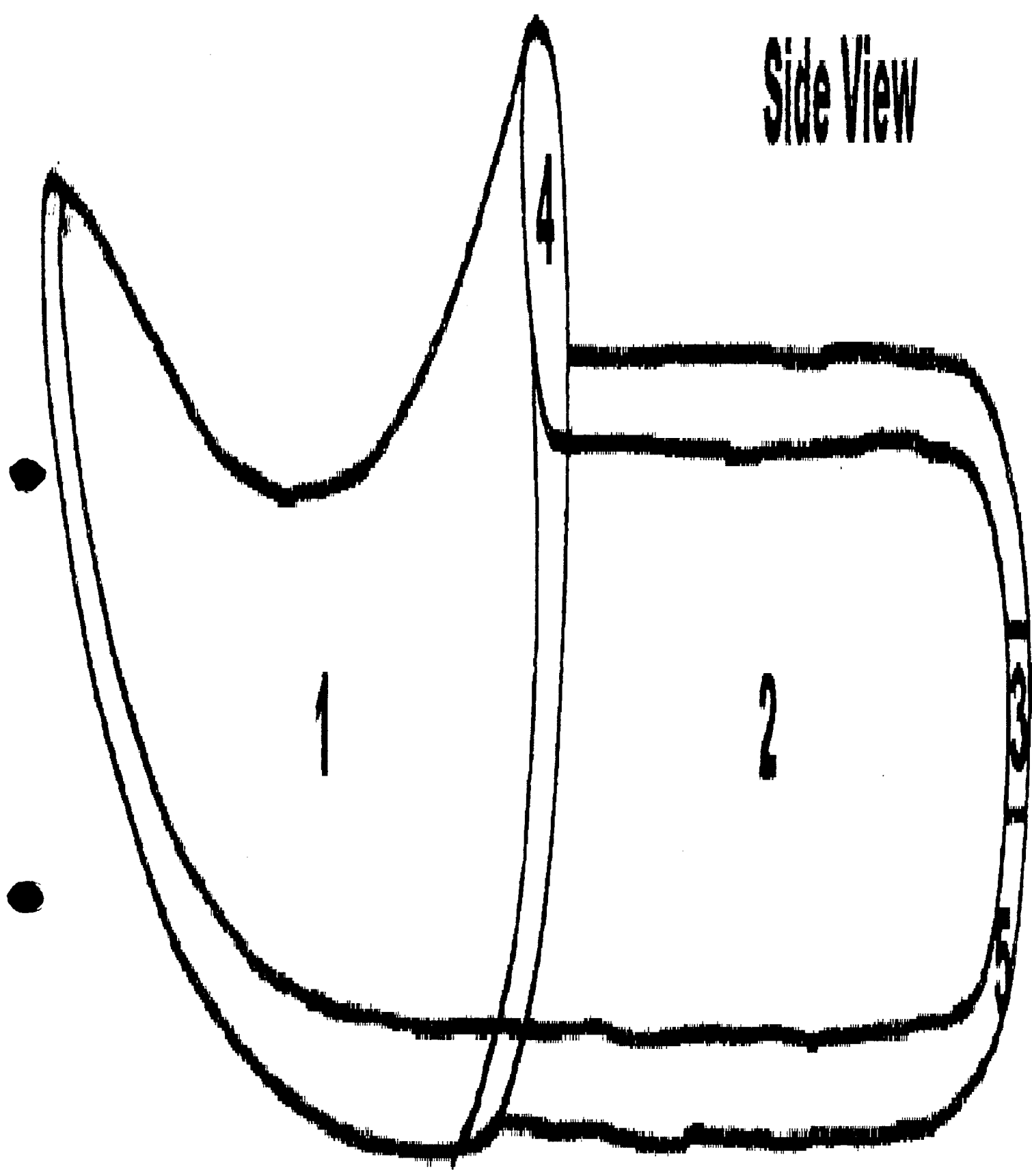


Fig. 5
Side View
Folded

- 1. Receptacle
- 2. Phallus
- 3. Urethral Hole
- 4. Pivot Point/Thumb/Pubis rest
- 5. Hemispheric Rounded Tip

Side View



[19] 中华人民共和国国家知识产权局

[51] Int. Cl.
A61F 5/44 (2006.01)

[12] 实用新型专利说明书

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代理人 吕 宏

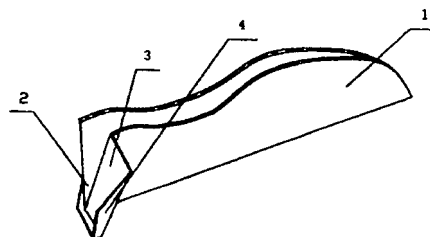
权利要求书 1 页 说明书 2 页 附图 1 页

[54] 实用新型名称

防渗流女用小便导流器

[57] 摘要

一种防渗流女用小便导流器，在导流器本体(1)前端的导流口(2)处设计有与导流器本体(1)连为一体的折翼(3)和折片(4)，折翼(3)向导流口(2)的后方伸出，折片(4)又向前伸出，折翼(3)和折片(4)均位于导流口(2)的两侧。由于本实用新型将几个导流器本体层叠在一起，既减少了厚度，又便于携带，使用后只丢弃最上面一个，降低了使用成本。特别是在导流器本体前端设计了防渗流结构，可有效地解决使用后尿液返流的现象，不会污染其它导流器本体，干净卫生，完全适合女性在站立小便时使用。



1、 一种防渗流女用小便导流器，包括导流器本体（1），其特征是在导流器本体（1）前端的导流口（2）处设计有与导流器本体（1）连为一体的折翼（3）和折片（4），折翼（3）向导流口（2）的后方伸出，折片（4）又向前伸出。

2、 如权利要求1所述的防渗流女用小便导流器，其特征是折翼（3）和折片（4）均位于导流口（2）前端的两侧。

3、 如权利要求1所述的防渗流女用小便导流器，其特征是所说的导流器本体（1）、折翼（3）、折片（4）均由纸片裁剪折叠而成。

防渗流女用小便导流器

技术领域

本实用新型涉及一种防渗流女用小便导流器。

背景技术

本申请人曾申请过多项可让女性站立小便使用的小便导流器，在现实生活中已得到很多女性的认可和使用。但是，由于这些导流器的结构还存在不尽人意之处。比如，导流器在使用时要有一定的硬度，所以要用厚纸板或塑料片来制作，并且是一次性使用，垃圾量较大，使用成本也较高，携带更不方便。为了解决这个问题，本申请人设计了用一个导流器本体和几个衬体层叠使用的结构，但几个衬体层叠后，使用时会在最上面的衬体导流处出现尿液返渗现象，容易污染下面其它几个衬体而影响后来的使用。

发明内容

本实用新型就是针对现有技术中存在的问题，而提供一种能使几个导流器本体层叠使用，并且具有防止尿液返渗的防渗流女用小便导流器。

本实用新型的技术解决方案在于：

在导流器本体前端的导流口处设计有与导流器本体连为一体的折翼和折片，折翼向导流口的后方伸出，折片又向前伸出。

本实用新型的进一步技术解决方案在于：

折翼和折片均位于导流口的两侧。

所说的导流器本体、折翼、折片均由纸片裁剪折叠而成。

由于本实用新型将几个导流器本体层叠在一起，既减少了厚度，又便于携带，使用后只丢弃最上面一个，降低了使用成本；特别是在导流器本体的前端设计了防渗流结构，可有效地解决使用后尿液返流的现象，不会污染其它导流器本体，干净卫生，完全适合女性在站立小便时使用。

附图说明

图1是本实用新型的整体结构示意图。

图2是图1的展开结构示意图。

具体实施方式

如图1、图2所示，本实用新型具有一个导流器本体1，在导流器本体1前端的两侧设计有沿着导流口2高度向外伸出的折翼3和向导流口前方伸出的折片4，折翼3和折片4均与导流器本体1连为一体。其中，折翼3和折片4构成了一个防渗流结构。

所说的导流器本体1由短时间内不会被尿液浸透的纸片如有光纸、画报纸等裁剪折叠而成，属于一次性用品，用后即弃；导流器本体1也可由纸板或塑料片制成。

使用时将几个导流器本体1衬垫在一起，并使由折翼3和折片4组成的防渗流结构也互相配合。使用后即将最上面的一层导流器本体1扔至垃圾筒，而其它的导流器本体1仍可下次使用。

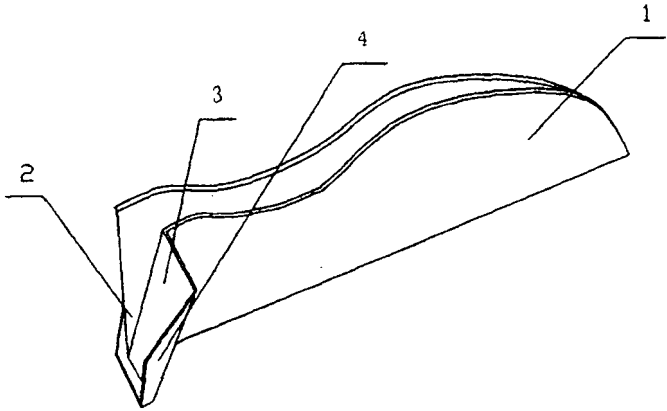


图 1

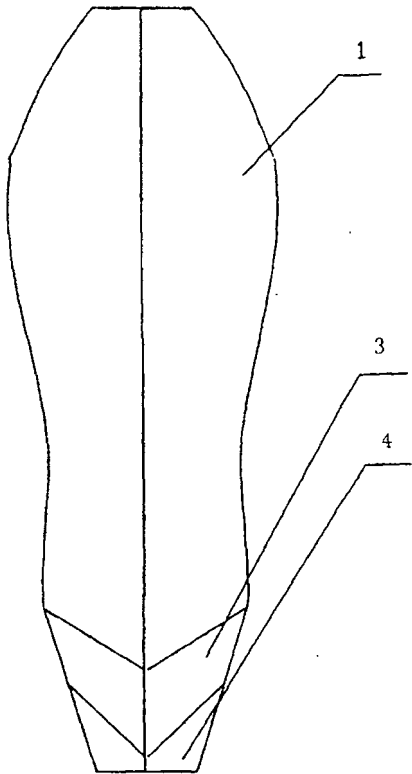


图 2



РЕПУБЛИКА СРБИЈА
Завод за интелектуалну својину

Број: 3330/05-П-2005/0185

Датум: 04.10.2006. године

Београд

О Б А В Е Ш Т Е Њ Е

2-4/5

У спроведеном поступку формалног испитивања, утврђено је да пријава, сходно одредби члана 40. став 1. Закона о патентима (Службени лист СЦГ бр.32/04), испуњава услове за објаву.

Објавити у "Гласнику интелектуалне својине" број
следеће податке о пријави за признање патента:

5 / 2006 . - 15.12.2006.

од

(51) МКП⁷⁹: A61F5/455; A61G9/00;
A47K11/12

(11) Број документа: П-2005/0185

(13) А

(21) Број пријаве: П - 2005/0185

(22) Датум подношења: 28.02.2005.

(61) Број основне пријаве: П -
или патента:

(62) Број првобитне пријаве: П -

(30) Подаци о праву првенства:

Земља: YU

Датум: 28.02.2005.

Број: П-2005/0185

(23) Датум излагања на међународној изложби:

(54) Назив проналаска:

(YU) ХИГИЈЕНСКО ПОМАГАЛО ЗА УРИНИРАЊЕ КОД ЖЕНА

(EN) SANITARY URINATING HELPING DEVICE FOR WOMEN

(71) Подносилац пријаве: Вељковић Јован, Драгише Брашована 3, 21000 Нови Сад, YU

(72) Проналазач-и: Вељковић Јован, Драгише Брашована 3, 21000 Нови Сад, YU

(74) Пуномоћник:

ОБАВЕШТЕЊЕ 06

Адреса: Змај Јовина 21, 11000 Београд, Телефон: 2630-499; факс: 311-23-77

Позива се подносилац пријаве да, уколико је у могућности, Заводу достави текст патентне пријаве, превод на енглески језик назива проналаска и апстракта у електронској форми, чиме ће се знатно убразати техничке припреме за објаву предметне пријаве патента.

На захтев подносиоца пријаве, Завод ће извршити суштинско испитивање услова патентбилности. Наведени захтев подноси се након објаве пријаве патента у "Гласнику интелектуалне својине", а најкасније у року од 6 месеци од дана објаве. У случају пропуштања напред наведеног рока, подносилац пријаве може поднети захтев за суштинско испитивање услова патентбилности у накнадном року од 30 дана од дана пријема обавештења о протеклу рока. О дану објаве пријаве патента, подносилац пријаве ће бити накнадно обавештен, посебним дописом Завода.

Уз захтев, подносилац је дужан доставити доказ о уплаћеној такси у износу од 3600,00 динара, на жиро рачун број 840-742211843-84 (позив на број 97 41 601), са назнаком "Такса за суштинско испитивање" и уз навођење броја пријаве патента (прималац: Административне таксе које наплаћују институције Србије). Поднети захтев се не може повући.

Подносилац пријаве који је истовремено и домаћи проналазач, наведену таксу плаћа у износу од 10%.

Ако подносилац пријаве у наведеном року не поднесе захтев за суштинско испитивање услова патентбилности пријаве за признање патента, пријава за признање патента ће се сматрати повученом, што ће се утврдити закључком.

Обавештење доставити:

- подносиоцу пријаве
Вељковић Јован,
Драгише Брашована 3, 21000 Нови Сад
- Регистру, АОП
- У спис

П/О ДИРЕКТОРА
Наташа Миловановић
Наташа Миловановић, дипл. инж.

Apstrakt

Higijensko pomagalo za uriniranje u žena je napravljen od vodootpornog kartona i ima oblik levka, omogućava ženama da uriniraju iz stojećeg stava izbegavajući time kontakt sa ne higijenskim wc školjkama kao i kada se nalaze u prirodnom okruženju izvan urbane sredine gde nepostoje toaleti.

Potpis podnosioca prijave

3A 1050 KOPNYU

Hm.

Opis pronalaska

HIGIJENSKO POMAGALO ZA URINIRANJE U ZENA

Oblas tehnike na koju se pronalazak odnosi

Pronalazak služi kao higijensko pomagalo namenjeno ženama da mogu da uriniraju iz stojećeg stava

Tehnicki problem

Higijensko pomagalo za uriniranje u žena omogućava ženama da uriniraju iz stojećeg stava čime izbegavaju direktan kontakt sa ne higijenskom wc školjkom. Takođe rešava problem uriniranja u žena kada se nalaze u prirodnom okruženju izvan urbane sredine gde ne postoje toaleti, tako da je praktičan i za putovanja.

Stanje tehnike

Higijensko pomagalo za uriniranje u žena omogućava ženama da uriniraju iz stojećeg stava čime izbegavaju direktan kontakt sa ne higijenskom wc školjkom.

Dosadasnja rešenja problema kontakta ženske kože sa ne higijenskim wc školjkama rešavano je raznim papirnim podmetacima odnosno uloscima za dasku wc školjke.

Izlagane sustine pronalaska

Higijensko pomagalo za uriniranje u zena je napravljeno od voodootpornog kartona I ima oblik levka koji u svom zadnjem delu ima veliki otvor koji obuhvata mesto curenja pri uriniranju kod zena, tako da urin prolazi kroz levak do prednjeg dela gde se nalazi mali otvor kroz koji isticice urin.

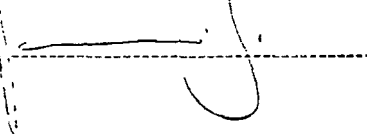
Kratak opis slike nacрта

1. zadnji zid
2. veliki otvor/za ulivanje urina/
3. bocni zid
4. mali otvor/za isticanje urina

Detaljan opis pronalaska

Slika prikakuje higijensko pomagalo za uriniranje u zena koje je napravljeno od voodootpornog kartona I ima oblik levka koji u svom zadnjem delu (1) ima veliki otvor (2) koji obuhvata mesto curenja pri uriniranju kod zena tako da urin prolazi kroz levak (3) do prednjeg dela gde se nalazi mali otvor (4) kroz koji isticice urin.

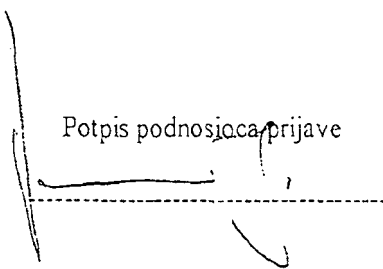
Potpis podnosioca prijave

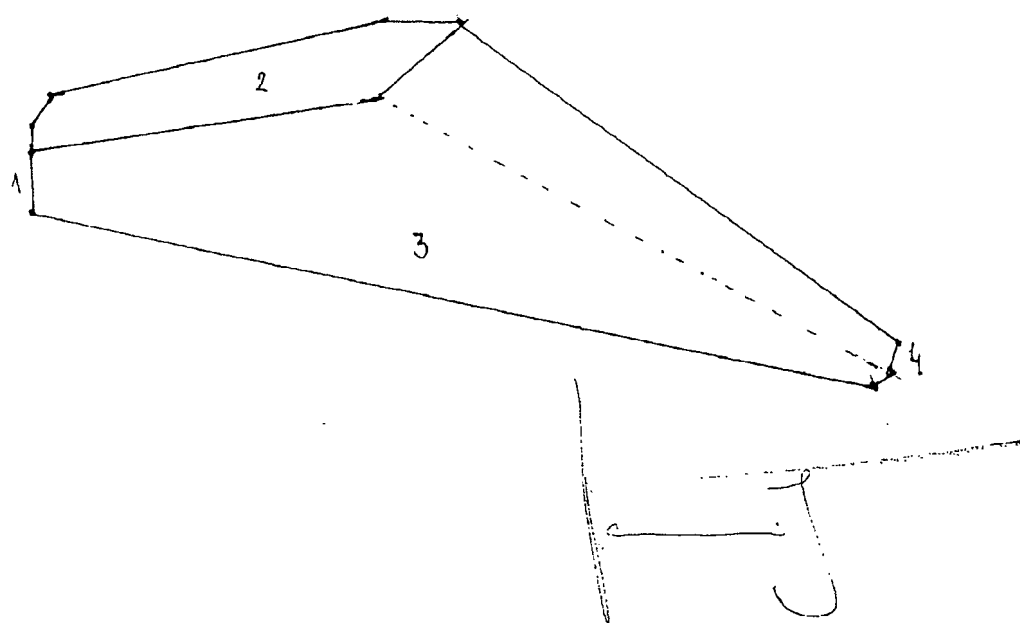
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Patentni zahtev

Higijensko pomagalo za uriniranje u zena je napravljen od voodopornog kartona I ima oblik levka koji u svom zadnjem delu(1) ima veliki otvor(2) koji obuhvata mesto curenja pri uriniranju kod zena tako da urin prolazi kroz levak(3) do prednjeg dela levka gde se nalazi mali otvor(4) kroz koji istice urin, **karakteristican time**, sto omogucava zenama da uriniraju iz stjeceg stava izbegavajući direktan kontakt sa ne higijenskom wc skoljkom kao I kada se nalze u prirodnom okruzenju izvan urbane sredine gde nepostoje toaleti.

Potpis podnosioca prijave

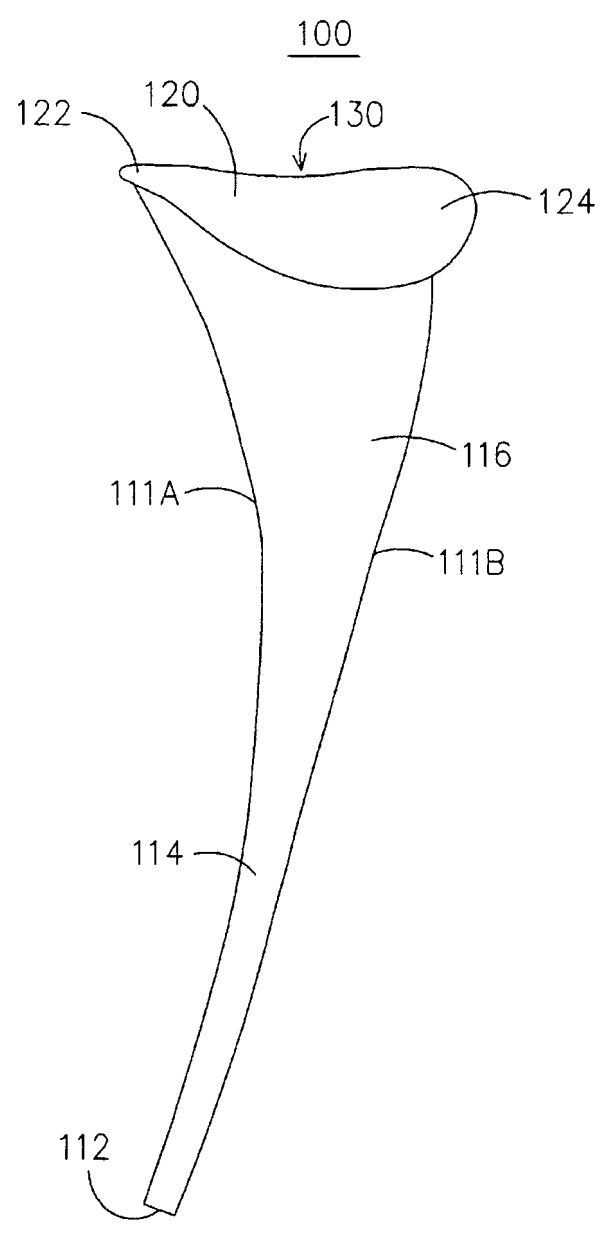
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(54) **PP FLUSHABLE URINATING DEVICE FOR WOMEN** Publication Classification
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(76) **Inventor:** Patrice B. Stein, Newport News, VA (US) (52) **U.S. Cl.** 4/144.2
(57) **ABSTRACT**

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(22) **Filed:** Aug. 7, 2009
A flushable urinating device is provided for women comprising a foldable waste tube and wings. The waste tube has a top portion with a top edge, a bottom portion with a discharge outlet, a front side and a rear side. The front side is concaved in a direction to orient the bottom portion toward a toilet for passing a flow of urine therethrough while a user stands near and faces the toilet. The wings are coupled to the top edge of the waste tube. The wings are configured to pivot about a top portion from at least 0°-90° or more.



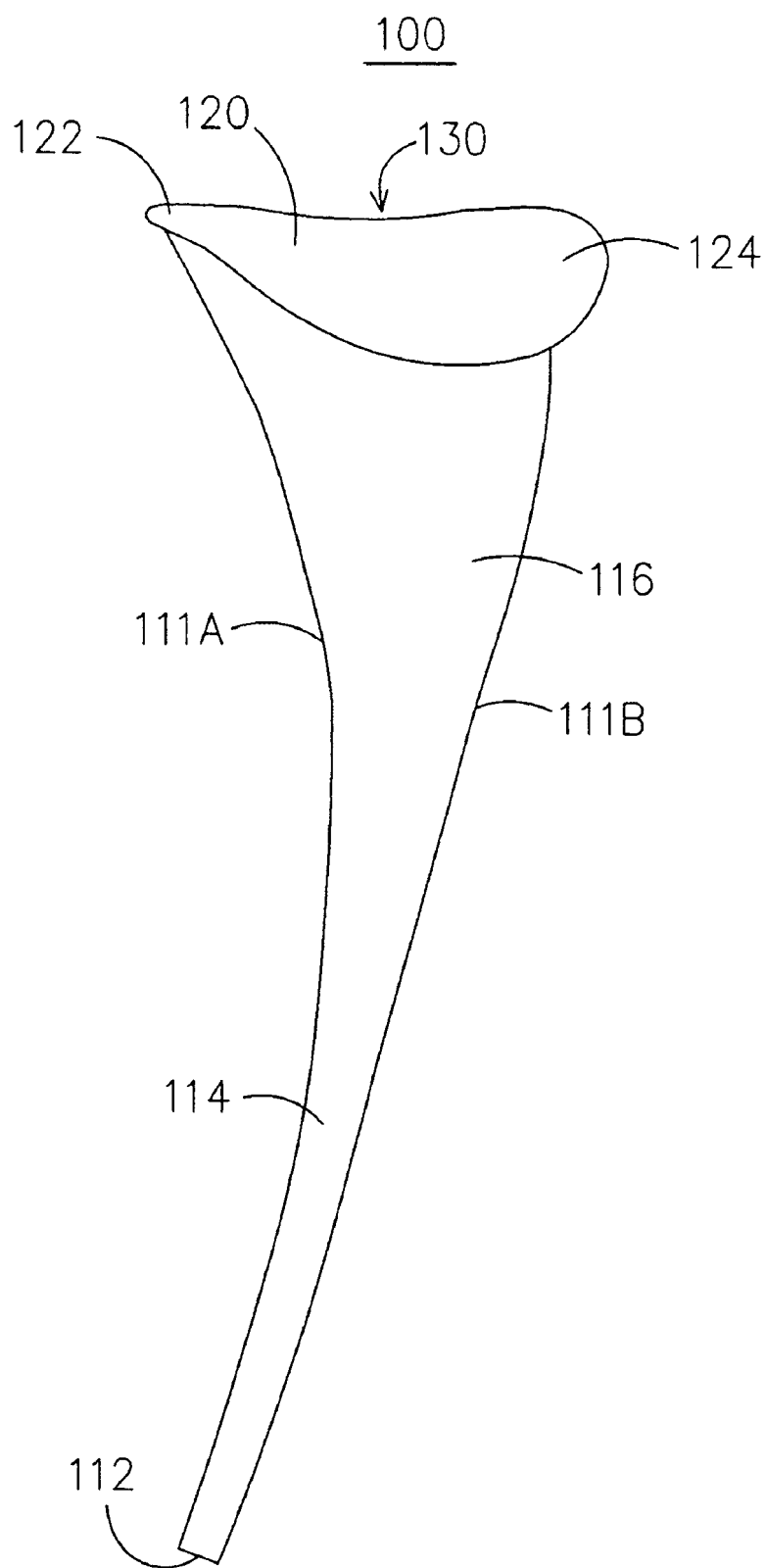


FIG. 1

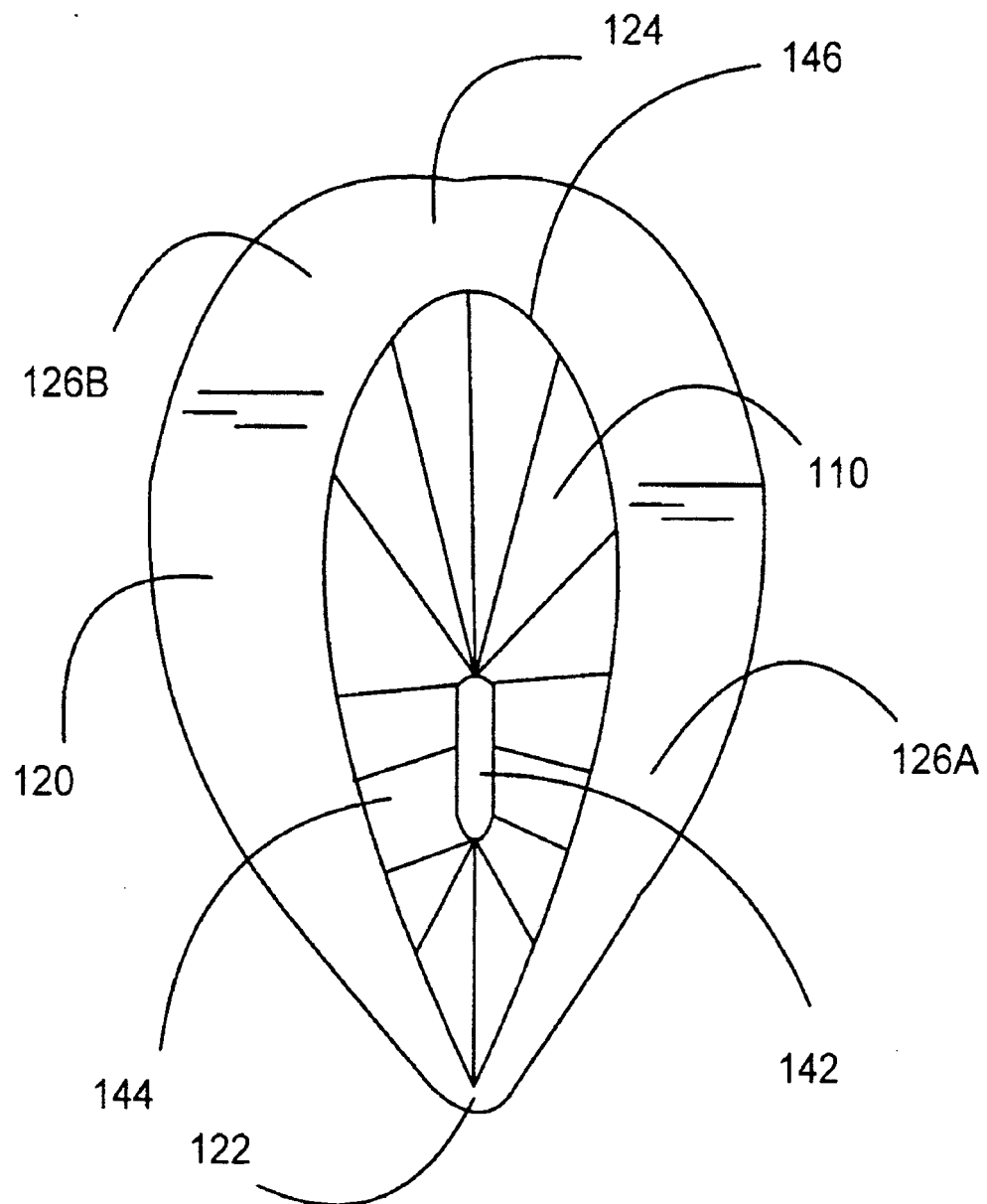


FIG. 2

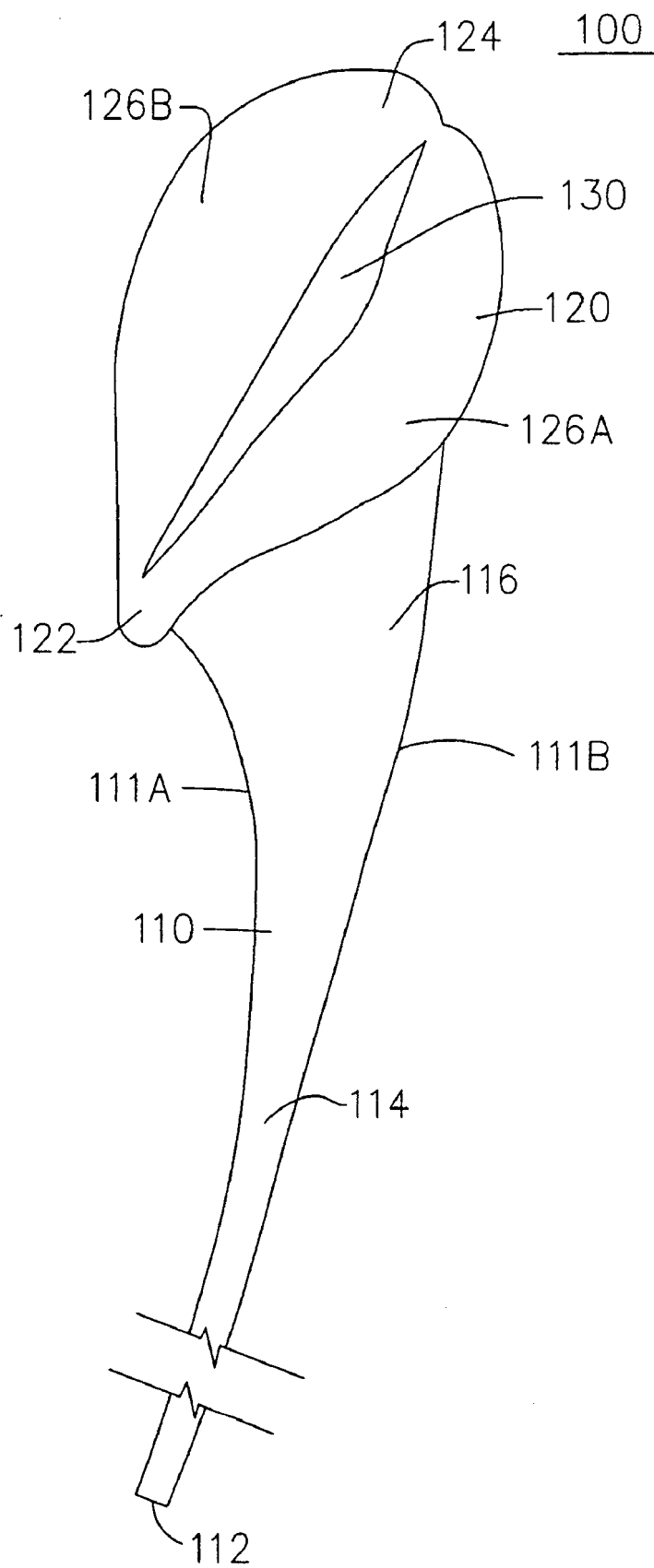


FIG. 3

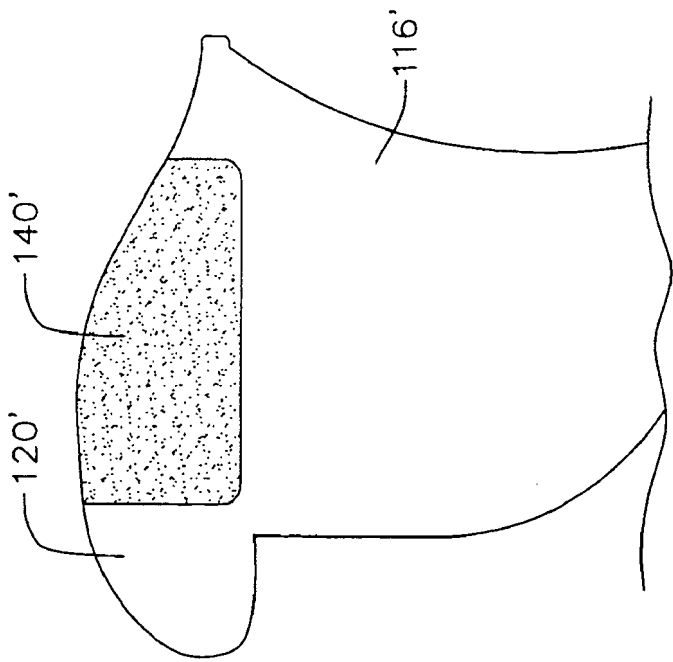


FIG. 4B

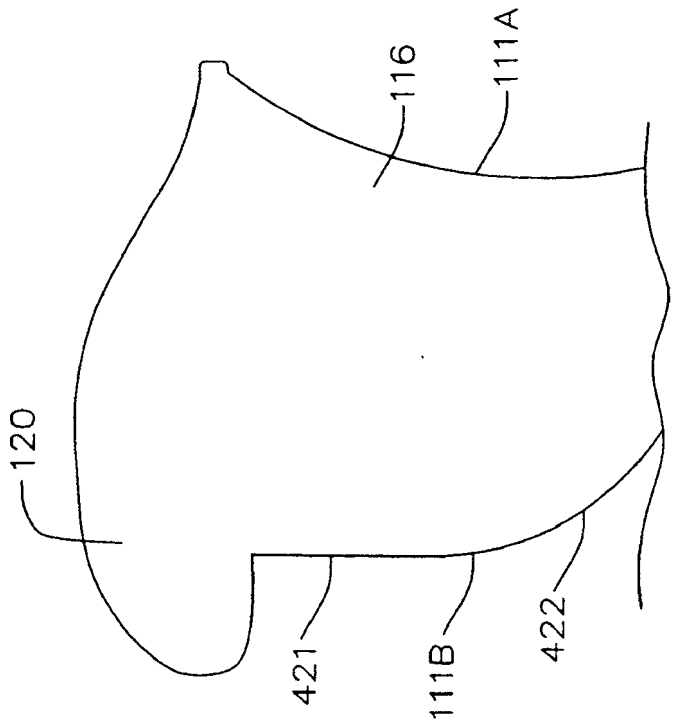
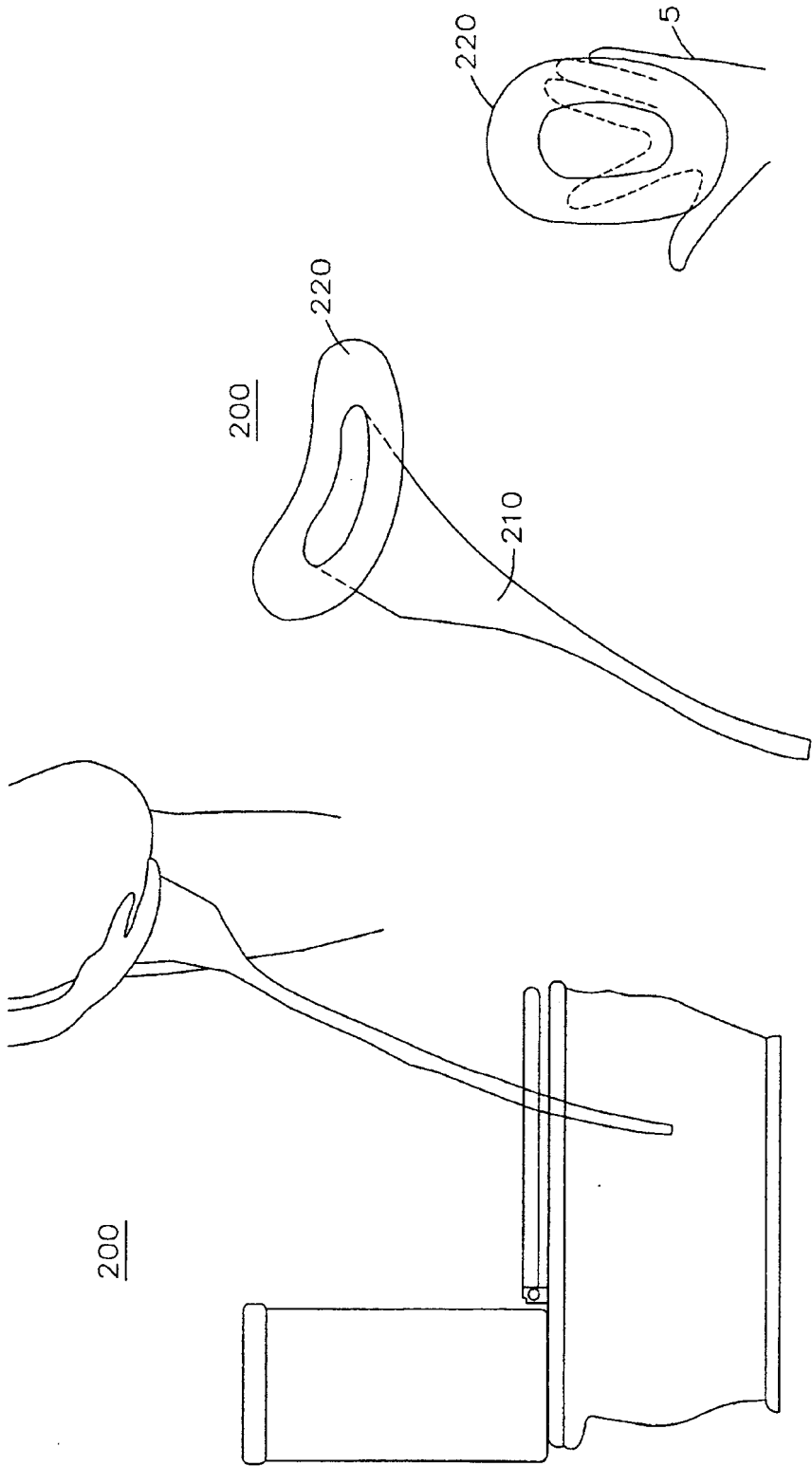


FIG. 4A



PP FLUSHABLE URINATING DEVICE FOR WOMEN

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BACKGROUND

[0002] I. Field
 [0003] The present invention relates to urinating aids for women.
 [0004] II. Background
 [0005] Public bathrooms can be a source of bacteria, viruses, and disease as the result of unsanitary conditions. For example, it is not uncommon for women to squat over the toilet when urinating. The squatting stance allows women to position their pubic area over the toilet without sitting directly on the toilet. In this instance, the toilet seats can become covered with spots of urine from the spray of the urine as a woman urinates. While the seat may be wiped off, the wiping process generally uses readily available toilet tissue and no bacterial killing agents.
 [0006] Urine is not the only source of contamination. As a user sits on the toilet seat, some amount of bacteria or other contaminants may be left on the toilet seat. Thus, sitting on a toilet seat in a public rest room is a potential source of bacteria, viruses, and disease.
 [0007] Some women may prefer to stand when urinating because of various health conditions that affect their ability to sit on a toilet and stand up from a toilet seat. Thus, using an aid to allow women to urinate from a standing position is desirable.
 [0008] Thus, the present invention provides a PP Flushable Urinating Device to provide women an alternative means of urinating in public restrooms or publicly used toilet facilities in order to avoid germs, residue, filth, and contamination from prior users of the toilet.

SUMMARY

[0009] The aforementioned problems, and other problems, are reduced, according to exemplary embodiments, by the PP Flushable Urinating Device.
 [0010] Other systems, methods, and/or products according to embodiments will be or become apparent to one with skill in the art upon review of the following drawings, and further description. It is intended that all such additional systems, methods, and/or products be included within this description, be within the scope of the present invention, and be protected by the accompanying claims.

BRIEF DESCRIPTION OF THE DRAWINGS

[0011] The exemplary embodiments, objects, uses, advantages, and novel features are more clearly understood by reference to the following description taken in connection with the accompanying figures wherein:
 [0012] FIG. 1 illustrates a side view of a PP Flushable Urinating Device (PP-FUD) with the flanges or wings folded downward in accordance with some exemplary embodiments of the present invention;

[0013] FIG. 2 illustrates a top view of the flanges or wings of the PP-FUD with the inlet in an open state in accordance with some exemplary embodiments of the present invention;
 [0014] FIG. 3 illustrates a perspective view of the PP-FUD in accordance with some exemplary embodiments of the present invention;
 [0015] FIG. 4A illustrates a partial view of the PP-FUD with a flange folded upward in accordance with some exemplary embodiments of the present invention;
 [0016] FIG. 4B illustrates a partial view of the PP-FUD with a flange folded upward and with a layer of absorbent material in accordance with some exemplary embodiments of the present invention;
 [0017] FIG. 5A illustrates another PP Flushable Urinating Device in accordance with some exemplary embodiments of the present invention;
 [0018] FIG. 5B illustrates a user's hand holding the PP Flushable Urinating Device of FIG. 5A in accordance with some exemplary embodiments of the present invention; and
 [0019] FIG. 6 illustrates women using the PP-FUD to urinate in a standing position.

DESCRIPTION

[0020] The word "exemplary" is used herein to mean "serving as an example, instance, or illustration." Any configuration or design described herein as "exemplary" is not necessarily to be construed as preferred or advantageous over other configurations or designs. Furthermore, use of the words "present invention" is used herein to convey only some of the embodiments of the invention. For example, the word "present invention" would also include alternative embodiments and equivalent systems and components that one of ordinary skill the art understands. An example is that the materials used for the exemplary embodiments may be made out of man-made materials, natural materials, and combinations thereof. A further example is that the apparatus or components of the apparatus may be manufactured by machine (s), human(s) and combinations thereof.
 [0021] Some of the embodiments of the invention now will be described more fully hereinafter with reference to the accompanying drawings, in which exemplary embodiments are shown. This invention may, however, be embodied in many different forms and should not be construed as limited to the embodiments set forth herein. These embodiments are provided so that this disclosure will be thorough and complete and will fully convey the scope of the invention to those of ordinary skill in the art. Moreover, all statements herein reciting embodiments of the invention, as well as specific examples thereof, are intended to encompass both structural and functional equivalents thereof. Additionally, it is intended that such equivalents include both currently known equivalents as well as equivalents developed in the future (i.e., any elements developed that perform the same function, regardless of structure).
 [0022] The PP Flushable Urinating Device (PP-FUD) in accordance with some exemplary embodiments of the present invention is constructed and arranged to eliminate the need for women to sit on contaminated or urine soaked toilet seats.
 [0023] The PP-FUD in accordance with some exemplary embodiments of the present invention is configured and arranged to make the process of urinating in public restrooms easier, faster, quicker, and safer.
 [0024] The PP-FUD in accordance with some exemplary embodiments of the present invention is constructed and

arranged so that the device when spent (after use) is flushable in a toilet and is bio-degradable or otherwise friendly to the environment.

[0025] The PP-FUD in accordance with some exemplary embodiments of the present invention is constructed in arranged so that a top or flanges (wings) of the PP-FUD can also be used as tissue or means for wiping or absorbing urine. Thus, the need for toilet paper after urinating is not necessary.

[0026] The PP-FUD in accordance with some exemplary embodiments of the present invention is designed to conform to the woman's genital surface area in order to seal and direct the flow of urine through a waste tube into the toilet while the user is standing upright. When finished urinating, the PP-FUD may be placed or dropped in the toilet for disposal.

[0027] The PP-FUD in accordance with some exemplary embodiments of the present invention is not uniform in dimensions and is configured to conform to the surface of the female genitalia.

[0028] The PP-FUD in accordance with some exemplary embodiments of the present invention is made of a flushable and environmentally safe paper that is easily manipulated with the hand and deformable to fit around a portion of woman's groin area.

[0029] The term groin area as used herein is defined as the two creases at the junction of the torso with the legs, on either side of the pubic area.

[0030] FIG. 1 illustrates a side view of a PP Flushable Urinating Device (PP-FUD) 100 with the flanges or wings 120 folded downward in accordance with some exemplary embodiments of the present invention. The PP-FUD 100 is configured to be folded in half. The side view shown in FIG. 1 is a half of the PP-FUD 100. The PP-FUD 100 is essentially symmetrical. In operation, the PP-FUD 100 is configured to be folded in half length wise or longitudinally, as best seen in FIG. 1. The PP-FUD 100 may be folded in half or may be folded using two or more folding increments along an axis that traverses the longitudinal axis of the PP-FUD 100 in such a manner that the PP-FUD 100 can be dispensed from a box, package or other dispensers configured to be mounted to a wall of a bathroom or carried in a purse of the user.

[0031] The PP-FUD 100 may also be folded using two or more folding increments along the longitudinal axis to reduce the size of the PP-FUD 100 when packaging and/or storing.

[0032] The PP-FUD 100 includes a waste tube 110 (FIGS. 2-3) and flanges or wings 120. The waste tube 110 has a bottom portion 114 with a discharge outlet 112 and a top portion 116 with an inlet 130.

[0033] When folded in half, the PP-FUD 100 has a front edge 111A and a rear edge 111B. The front edge 111A has a curvature configured to direct the discharge outlet 112 toward a toilet while the user (a woman) is standing in front of the toilet. More specifically, the curvature of the front edge 111A is concaved to allow the discharge outlet 112 to be directed toward the toilet so that it can be easily placed therein without obstructing the flow of the urine.

[0034] In the exemplary embodiment, a front of the PP-FUD 100 is concaved such that the arc of concavity extends along an entire length of the PP-FUD 100.

[0035] In another exemplary embodiment, a front of the PP-FUD 100 may be concaved such that the arc of concavity extends along a portion of the length of the PP-FUD 100.

[0036] When the woman is standing in front of the toilet, the stream of urine is not generally directed toward the toilet. The waste tube 110 is uniquely shaped in the form of a curved

funnel with a concaved profile that orients the bottom portion 114 in the direction of the toilet. Thus, the user is not required to stand over the toilet. Instead, the user can stand around or at various positions around and facing the toilet bowl. The arc of concavity represented by the curvature of 111A and the curvature of the rear side (rear edge 111B) directs the flow of urine in the direction of the toilet.

[0037] The PP-FUD includes an inlet 130. The flanges or wings 120 have a front portion 122 and a rear portion 124, as will be described in more detail in relation to FIG. 2, which surrounds the inlet 130.

[0038] FIG. 2 illustrates a top view of flanges or wings 120 of the PP-FUD with the inlet 130 (FIG. 3) in an open state in accordance with some exemplary embodiments of the present invention. In the exemplary embodiment, the flanges or wings 120 have a pear shape, tear-drop shape or heart shape which are affixed to or integrated with a top edge, denoted by 146, of top portion 116. Whether affixed or integrated, the flanges or wings 120 are configured to fold and flex 0 to 360 degrees about top edge 146. The flanges or wings 120 can flex when the PP-FUD 100 is folded in half or when the waste tube 110 is open into a generally round or tubular shape.

[0039] In FIG. 1, the flanges or wings 120 are shown overlaid in parallel over the exterior surface of waste tube 110. In FIG. 2, the flanges or wings 120 are shown rotated to approximately 90 degrees with respect to the exterior surface of the waste tube 110 as shown in FIG. 1. As will be described in more detail in FIG. 4, the flanges or wings 120 are shown rotated approximately 180 degrees with respect to the orientation shown in FIG. 1.

[0040] The flexible material of the flanges or wings 120 allows the flanges or wings 120 to be rotated up to 360 degrees. The interconnection or the pivot point (at top edge 146) between the flanges or wings 120 and the waste tube 110 may, in another exemplary embodiment, limit the rotation of the flanges or wings 120 to less than 360 degrees.

[0041] FIG. 2 also permits illustration of an interior surface 144 of the waste tube 110 when open into a tubular shape or configuration. The concaved shape of the waste tube 110 reduces the annulus of the waste tube 110 so as to direct the flow of urine to discharge outlet 112. When looking down into the interior of the waste tube 110 while open, the discharge outlet 112 is not readily seen as the curvature limits the view through the curvature of the tubular shape.

[0042] The tapering profile of an interior surface of the waste tube 110 is represented by the lines directed to narrow annulus 142. As the PP-FUD 100 is opened from a folded configuration, the top edge 146 is opened up so as to position, PP-FUD 100 near the groin area. For example, the user can manipulate the PP-FUD 100 so that the top edge 146 is expanded to track the size of the groin area.

[0043] The narrowest portion of the flanges or wings 120 corresponds to the front portion 122. The widest portion of the flanges or wings 120 corresponds to the rear portion 124. In the exemplary embodiment, the flanges or wings 120 are essentially symmetrical to form flange halves 126A and 126B.

[0044] In the exemplary embodiment, the flange halves 126A and 126B are integrated together to form a single flange or wing body encircling top edge 146. Nonetheless, in another exemplary embodiment, the flange halves 126A and 126B may be two separate halves that are seamed together to form a single flange or wing body. In another exemplary embodiment, the flange halves 126A and 126B may be sepa-

rate such that the front portion 122 and the rear portion 124 have seams which separate flange halves 126A and 126B.

[0045] Referring also to FIG. 3, a perspective view of the PP-FUD 100 in accordance with some exemplary embodiments of the present invention is shown. The inlet 130 is shown in a partially open state. As can be appreciated, the flexibility of the material (paper) allows the opening or inlet 130 into the waste tube 110 to be varied so as to adapt to the size of a woman's pubic area and/or groin area. Thus, the PP-FUD 100 is readily adaptable for a variety of women sizes and shapes while also maintaining easy of manipulation, installation, operation.

[0046] The length of the waste tube 110 of the PP-FUD 100 is between 18 inches and 26 inches. Nonetheless, the length may be made shorter or longer. However, the length of the waste tube 110 should be sufficient to allow all women of varying heights to stand in front of the toilet and place a portion of the waste tube 110 in the toilet bowl.

[0047] In the exemplary embodiment of FIG. 3, the lines crossing the bottom portion 114 represent that the length of the waste tube 110 may be varied. For example, the waste tube 110 may be manufactured a particular length which can be varied with one or more lines of serrations that allow increments of the length of the waste tube 110 to be torn off to reduce the overall length of the waste tube 110 by the user.

[0048] The length of inlet 130 when in a folded in half position is in the range of 7-7¼ inches. Nonetheless, for small, medium and large sizes, the length of the inlet 130 (when measured from a folded in half orientation) may vary to less than 7 inches to more than 7¼ inches.

[0049] In the exemplary embodiment configured for a one size fits all functionality, in order to allow children, teens, or others of shorter stature to use the PP-FUD 100, the length of the waste tube 110 may be reduced by tearing a portion of the bottom along a serration line.

[0050] While not wishing to be bound by theory, the serration lines may also allow the PP-FUD 100 to breakup more easily during flushing. As the PP-FUD 100 is being flushed, pieces of the waste tube 110 break up and off more easily under the weight of water and the force directing the water out of the toilet bowl and through the drain.

[0051] While not wishing to be bound by theory, the pear shape, tear-drop shape or heart shape configures the flanges or wings 120 to track the female genitalia. Thus, the flanges and wings 120 are easily deployed. Each flange halves 126A and 126B has a length which is at least 7 inches and up to 10 inches and would vary based on the size of the inlet 130. In the exemplary embodiment, the maximum widths of each flange halve 126A and 126B is within the range of 2¾ and 3 inches. However, wider flange halves 126A and 126B may be used.

[0052] The PP-FUD 100 is comprised of thin paper sturdy enough to accept the weight of the urine but light enough to dispose of in a standard toilet, similar to that used in toilet seat protectors. The flanges or wings 120 may serve as 'wings' to the sides and the back, and conforms to the hand and the woman's genital area, as best seen in FIG. 6.

[0053] The PP-FUD 100 may be configured as a single unitary piece of material. In an exemplary configuration, the waste tube 110 may include two halves configured to be attached or affixed to each other along edges 111A and 111B with the flanges or wings 120 attached to edge 146. Thus, seams should be taken into consideration. The profiles shown herein do not show seams. The edges may be sealed together.

[0054] FIG. 4A illustrates a partial view of the PP-FUD 100 with a flange of flanges or wings 120 folded upward in accordance with some exemplary embodiments of the present invention. The top portion 116 of the waste tube 110 is uniquely designed to direct the flow of urine down the waste tube 110. The representation illustrated in FIG. 4A is one side (PP-FUD 100 folded in half). The rear edge 111B has a first top edge portion 421 which is essentially straight. The bottom of the first top edge portion 421 begins to curve at a second top edge portion 422 which gradually tapers in the direction of the arc of concavity defined by edge 111A. In the exemplary embodiment, the front edge 111A begins a curve to define the arc of concavity. However, the rear edge 111B remains linear or straight for a predetermined distance, such as for 3 to 4 inches before the rear edge 111B begins to curve or gradually taper in the direction of the arc of concavity defined by edge 111A.

[0055] In one mode of operation, the flanges or wings 120 may be used as toilet paper. The woman urinates through the waste tube 110 while standing. Once the woman has finished urinating, the flanges or wings 120 can be used as a tissue for wiping. The PP-FUD 100 is then disposed of in the toilet and flushed.

[0056] FIG. 4B illustrates a partial view of the PP-FUD with a flange of flanges or wings 120' folded upward and with a layer of absorbent material 140' in accordance with some exemplary embodiments of the present invention. The flange halves of flanges or wings 120' may include a layer of absorbent material 140' shown overlaid on a underside of the flanges or wings 120'. The size and shape of the layer of absorbent material 140' may vary. In an alternate exemplary embodiment, the flange halves of flanges or wings 120' may include a layer of absorbent material 140' overlaid on a top-side of the flanges or wings 120'.

[0057] Once the woman has finished urinating, the flanges or wings 120' may be manipulated in a manner that allows the layer of absorbent material 140' to be used as a tissue for wiping. The PP-FUD is then disposed of in the toilet and flushed.

[0058] FIG. 5A illustrates another PP Flushable Urinating Device in accordance with some exemplary embodiments of the present invention. The flanges or wings 220 have a ring or donut shape. FIG. 5B illustrates a user's hand holding the PP Flushable Urinating Device in accordance with some exemplary embodiments of the present invention. In operation, the fingers are splayed in such a way that is most comfortable for the woman as well as to allow for the most room for the urine to flow. The positioning of the hand 5 is critical in order to prevent urine flowing out of the waste tube 110. The hand 5 is placed around the waste tube 210 such that the flanges 220 rest on top of the user's hand 5.

[0059] In the exemplary embodiment, the waste tube 210 can be place between the forefinger and the middle finger with the flanges or wings 220 resting and conforming to the user's hands 5. The material of the PP-FUD readily adapts (flexes) to or around the hand, as would a thin sheet of tissue or other paper products that are flushable.

[0060] FIG. 6 illustrates a woman using the PP-FUD 200 to urinate in a standing position. When a woman is standing in front of a toilet, the length of the waste tube can be easily placement into the toilet.

[0061] As can be appreciated, the PP-FUD 100 can be used in port-a-potties, lavatories of airplanes, outdoors in the woods, and other suitable locations to aid a woman to urinate

while standing upright. The PP-FUD 100 eliminates spraying or leaking of urination on the user's body while standing upright and directs the flow of urine to a location that is away from the user.

[0062] The PP-FUD 100 is made of a flushable and environmentally safe paper that molds to the hand and to the woman's surface area. The long tube extends from the surface area through the woman's fingers and the end is placed in the toilet.

[0063] While the present invention has been described with respect to various features, aspects, and embodiments, those skilled and unskilled in the art will recognize the invention is not so limited. Other variations, modifications, and alternative embodiments may be made without departing from the spirit and scope of the present invention.

What is claimed is:

1. A flushable urinating device for women comprising:
a waste tube having a top portion with a top edge, a bottom portion with a discharge outlet, a front side and a rear side, the front side is concaved in a direction to orient the bottom portion toward a toilet for passing a flow of urine therethrough while a user stands near and faces the toilet; and
wings, coupled to the top edge of the waste tube, are configured to pivot about the top portion from at least 0°-90° or more.
2. The device according to claim 1, wherein the wings include a layer of absorbent material overlaid on a surface of the wings; and the wings are configured to be used as toilet tissue.
3. The device according to claim 1, wherein the wings have a pear shape profile, tear-drop shape profile or a heart shape wherein a narrower end of the wings is configured to be oriented in a genitalia area.
4. The device according to claim 1, wherein the material is paper and is biodegradable and flushable.
5. The device according to claim 1, wherein the waste tube includes a plurality of serration lines to tear off a portion of a length of the waste tube.
6. The device according to claim 1, wherein the waste tube has a length of approximately 18-26 inches.
7. The device according to claim 1, wherein the top portion of the waste tube has a rear edge when folded in half, the rear edge having a first top edge portion which is essentially straight and a bottom of the first top edge portion begins to curve along a second top edge portion, the second top edge portion gradually tapers in the direction of a arc of concavity defined by a front edge of the waste tube wherein the front edge is opposite the rear edge.

8. The device according to claim 1, wherein, in a first state, the waste tube is configured to fold in half longitudinally and the wings in the first state are configured to lie parallel to a longitudinal surface of the waste tube and, in a second state, the wings are configured to rotate about the top edge of the waste tube when deployed and the waste tube being expanded simultaneously.

9. A flushable urinating device for women comprising:
a foldable waste tube having a top portion with a top edge, a bottom portion with a discharge outlet, a front side and a rear side, the front side is concaved in a direction to orient the bottom portion toward a toilet for passing a flow of urine therethrough while a user stands near and faces the toilet; and
wings, coupled to the top edge of the waste tube, are configured to pivot about a top portion wherein, in a first state, the waste tube is configured to folded in half longitudinally and the wings in the first state are configured to lie parallel to a longitudinal surface of the waste tube and, in a second state, the wings are configured to rotate about the top edge of the waste tube when deployed and the waste tube being expanded simultaneously.

10. The device according to claim 9, wherein the wings include a layer of absorbent material overlaid on a surface of the wings; and the wings are configured to be used as toilet tissue.

11. The device according to claim 9, wherein the wings have a pear shape profile, tear-drop shape profile or a heart shape wherein a narrower end of the wings is configured to be oriented in a genitalia area.

12. The device according to claim 9, wherein the material is paper and is biodegradable and flushable.

13. The device according to claim 9, wherein the waste tube includes a plurality of serration lines to tear off a portion of a length of the waste tube.

14. The device according to claim 9, wherein the waste tube has a length of approximately 18-26 inches.

15. The device according to claim 9, wherein the top portion of the waste tube has a rear edge when folded in half, the rear edge having a first top edge portion which is essentially straight and a bottom of the first top edge portion begins to curve along a second top edge portion, the second top edge portion gradually tapers in the direction of a arc of concavity defined by a front edge of the waste tube wherein the front edge is opposite the rear edge.

16. The device according to claim 9, wherein, in a first state, the waste tube is configured to folded in one or more fold increments along an axis which is perpendicular to the longitudinal axis of the waste tube.

* * * * *

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- (72) Inventor; and
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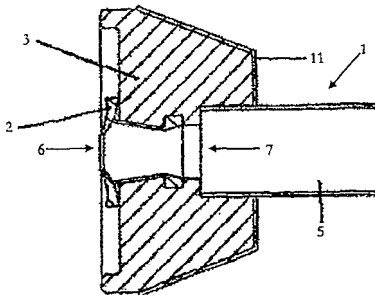


Figure 1

(57) Abstract: An urinary aid able to be positioned by a female user to allow that female user to urinate with control, the device comprising a tube-like engagement head having a urine receivable end for engaging the mouth of the urethra and a urine discharge end, tube-like engagement head comprising a locator element, located at the urine receivable end of the engagement head that allows urine from the female to access the urine discharge end of the engagement head; the locator element extending substantially transverse to the walls of the tube-like engagement head to define (a) an inner locator element region that extends from about the wall of the tube-like engagement head towards the centre of the tube-like engagement head, and (b) an outer locator element region, that extends radially outwards from the wall of the tube-like engagement head, and a conformable material attached to, or formed unitarily with, the locator element, such that positioning of the locator element by the user against the urethral opening actuates the locator element to move into a substantially sealing configuration about the users urethral opening.

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small enough to be inserted into the urethral opening. The forward end sits away from the urethra and has a circular opening of comparatively generous section through which the urine flows.

The urinary aid also includes an absorbing seal element that is made of a highly absorbent material. This absorbing seal element is about 5 mm in thickness and forms a tight surface contact seal with the wall of labia minora so as to absorb any leakage that may escape past the locator element. The locator element, whether the smooth rounded edge nozzle or the profiled circular seal, has a circular passage that is in line with the axis of the locator element that is coated to make it liquid resistant. This ensures the urine cannot leak to the surrounding regions. The outer edge of the contoured face has a profile to suit the region surrounding the urethra opening within the labia minora. This is a bottom semicircular with a triangular top with a rounded apex to suit the triangular region of a female's anatomy within the labia minora around the urethra opening.

The part of the urinary aid that does not come into contact with the urethra is covered by a thin plastic part referred to as the shell element. The shell element is shaped to cover the surface of the absorbing seal element. The shell element has a hollow saucer-like shape, or cylindrical shallow dish-like shape, with the hollow portion facing the urethra. The shell element closely conforms to the shape of the absorbing seal element, with a circular opening located at the end opposite to the urethra through which a thin wall tube ("tube element") is inserted.

The tube element is inserted in the absorbent seal element to direct the urine away from the user and is made of thin plastic material, or material that is coated to make the passage temporary impervious to urine. The tube may be straight or curved, with slight flexibility to direct the flow, or with a bellow-type portion that permits bending of the tube up to about 45 degrees.

Urinary aids are produced with locator elements, absorbing seal elements, shell elements and tube elements of particular sizes and profiles to account for the varying sizes and shapes of women anatomy in the urethra region. The urinary aid is also made of particular material (biologically degradable or recyclable), and with particular surface coatings to account for personal preferences regarding hygiene and comfort.

In one type of urinary aid the locator element is a smooth rounded edge short nozzle made of plastic material. For example, polycarbonate, medical grade thermo-sensitive PVC material that is a non-irritant to the delicate mucous membranes of the urethra, LDPE or plastic material that is elastic and easy to mould in thin sections, or coated paper/fabric. This type of locator element has an inserting end that is small enough to be inserted into the urethra, a slightly bulging section along