

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO	
RAD: 14-196607- -3	FECHA: 2016-05-12 16:21:17
DEP: 2020 DIRECCION DE NUEVAS CREACIONES	EVE: 378 FASE NACIONAL INCLUIDO CAPITULO I
TRA: 11 PCT-PATENTE DE INVENCION CAPITULOS I Y II	FOLIOS: 12
ACT: 519 TRASLADOINFORME	

DIRECCIÓN DE NUEVAS CREACIONES

2020
Bogotá, D.C.,

Abogado(a)/Señor(a)
J. IAN RAISBECK

Asunto: Radicación: 14-196607- -3
Trámite: 11
Evento: 378
Actuación: 519
Oficio: 5619
Folios: 12

Patente de Invención	X			Patente de Modelo de Utilidad	
Vía Nacional					
Vía PCT (Fase Nacional)	X	Capítulo I	X	Capítulo II	
No. Solicitud Internacional	PCT/IB2013/051116				
Fecha de Presentación Internacional	11/02/2013				

Como resultado del examen de fondo realizado, con fundamento en el Artículo 45 de la Decisión 486 de la Comisión de la Comunidad Andina, se comunica:

1. Documentos estudiados

Descripción:	Rad. N° 14-196607-00000-0000	05/septiembre/2014
Reivindicaciones:	Rad. N° 14-196607-00000-0000	05/septiembre/2014
Dibujos:	Rad. N° 14-196607-00000-0000	05/septiembre/2014
Prioridad:	US 13/412.482	05/marzo/2012

2. Análisis de la Prioridad

Se acepta la reivindicación de prioridad porque ésta solicitud fue presentada dentro del plazo establecido (Art. 9 D 486) y su contenido técnico corresponde con el de la prioridad reivindicada.

3. Objeto de la invención

De acuerdo con lo establecido en el numeral 1.2.2.2 del capítulo primero del Título X de la Circular Única para efectos del examen de patentabilidad, se tendrá en cuenta la tasa pagada por la solicitante al momento de comenzar el examen para las reivindicaciones adicionales; esto es que cuando la solicitud contenga más de diez (10) reivindicaciones y no se haya pagado la tasa complementaria, sólo se estudiarán las cubiertas por la

tasa pagada. En el presente caso se estudiarán las reivindicaciones 1 a 19 del capítulo reivindicatorio (Radicado N°. 14-196607-00000-0000).

Título de la solicitud: “Prenda interior desechable ajustable de tipo pantalón con panel frontal totalmente separado” (Radicado N°. 14-196607-00000-0000).

El problema planteado en esta solicitud consiste en la necesidad de diseñar una prenda interior desechable ajustable y cómoda que provoque una sensación de “normalidad” tipo pantalón con un sistema de sujeción relativamente discreto y de fácil manipulación.

Para resolver este problema técnico, la solicitud en estudio proporciona una prenda interior desechable pre-sujetada de tipo pantalón que incluye un panel frontal completamente separado con dos miembros de unión que se unen de manera desprendible a la primera y segunda sección lateral respectivamente.

El objeto de la presente solicitud se relaciona con la Clasificación Internacional de Patentes (CIP): A61F 13/56 AC.

4. De la solicitud de patente

Reivindicaciones (Art 30 D 486, Art 22 PCT)

Durante el examen de las 19 reivindicaciones se encontraron las siguientes faltas de claridad:

En las reivindicaciones 1 a 19 los términos *“una primera sección lateral”, “una segunda sección lateral”, “una sección intermedia”, “pre-sujetada”, “un primer miembro de unión”, “un segundo miembro de unión”, “un borde terminal”, “segundo borde”, “costura lateral”, “condición de pre-sujetado”, “un par de aberturas de las piernas”, “primera interrupción”, “segunda interrupción”, “una abertura de la cintura”,* son términos generales los cuales aunque corresponden a términos ampliamente conocidos, abarcan una extensa gama de posibilidades sugiriendo de forma imprecisa que la protección se extiende a otras posibles variaciones, se propone realizar las modificaciones respectivas utilizando términos que describan de forma menos general, definir claramente los rangos a aquellos que tienen un efecto técnico demostrado.

El término de las reivindicaciones 5 y 6, 15 y 16: *“al menos”,* es impreciso, por lo cual no permite distinguir la invención del estado de la técnica. Se sugiere sustituirlo por un término preciso o un rango concreto.

Se sugiere al solicitante, incluir los números de referencia de los elementos estructurales del pañal siendo coherentes con las figuras, para más claridad al capítulo reivindicatorio.

Descripción (Art 28 D 486)

En la figura 1 no se distinguen los elementos 12 (panel frontal) y 38 (sección intermedia) ya que señalan el mismo lugar y se llaman diferente.

Se sugiere mantener las escalas y proporciones en las diferentes vistas del producto, este el caso de la figura 3 con respecto a la 1, si no hay algo que resaltar que tenga un efecto técnico específico.

La figura 3 revela un desarrollo plano del pañal en su forma desplegada, sin embargo, no es claro que basándose en dicha figura al momento de hacer el doblez el panel frontal no se solape con el elemento 18 o incluso con toda la pestaña 36 de acuerdo a lo señalado en la descripción. Se recomienda realizar una vista isométrica del pañal en su forma de plegado parcial que muestre de forma detallada en magnitud verdadera la condición de no traslape de los elementos 40 con 12 o 38.

5. Determinación del Estado de la Técnica

El estado de la técnica se determinó con base en la fecha de presentación de la solicitud de prioridad: 05 de marzo de 2012 y consultadas las fuentes con que se cuenta, se encontraron los siguientes documentos que anticipan el objeto de esta solicitud:

Ítem	Documento	Título	Fecha de Publicación*
D1	US 2008/0154223	"Disposable pants"	26/Junio/2008
D2	US 2008/0269711	"Disposable paper"	30/Octubre/2008
D3	US2006/0259001	"Disposable nappy"	16/Noviembre/2006

El documento D1¹ divulga unos pantalones desechables cuyas piezas adhesivas no se adhieren a otros que la posición especificada. Los panties pueden usarse como ropa interior o pañal (Resumen).

El documento D2² revela un pañal desechable que permite sacar el órgano sexual masculino fácilmente en la etapa de micción, que incluye un marco interno que tiene al menos un cuerpo frontal y uno posterior, una hoja permeable a los líquidos encima dispuesta en al menos una parte de dicho marco interno (Resumen).

El documento D3³ divulga un pañal desechable que comprende un cinturón en la cadera creando una abertura que se cierra en la dirección periférica con respecto a la parte frontal (Resumen).

6. Examen de Patentabilidad (Art 14 D486)

El siguiente examen de patentabilidad se realizó teniendo en cuenta las objeciones señaladas en el numeral 4 de la presente comunicación.

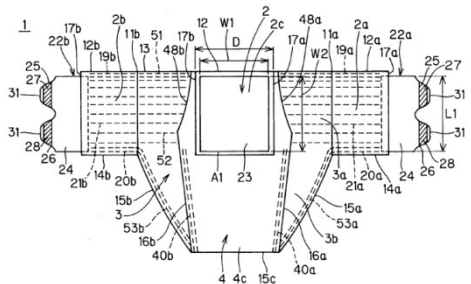
1 <http://www.google.ch/patents/US20080154223>

2 <http://www.google.ch/patents/US20080269711>

3 <http://www.google.ch/patents/US20060259001>

Novedad (Art 16 D486)

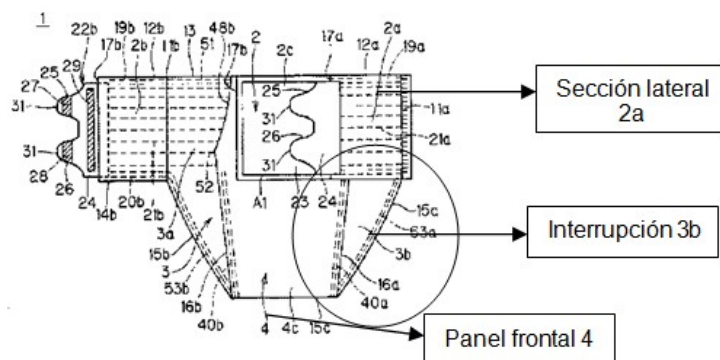
La reivindicación 1 que consiste en “*un panel corporal para una prenda interior absorbente desechable ajustable pre-sujetada de tipo pantalón que comprende:*” (Ver Pág. 1 del Radicado N°. 14-196607-00000-0000).

Comparación de las características esenciales con el estado de la técnica:	
Características esenciales	D1
Un panel corporal para una prenda interior absorbente desechable ajustable pre-sujetada de tipo pantalón que comprende: a. una primera sección lateral, una segunda sección lateral, y una sección intermedia, en donde el panel corporal frontal está completamente separado entre la primera sección lateral y la sección intermedia, y en donde el panel corporal frontal está completamente separado entre la segunda sección lateral y la sección intermedia;	Unos pantalones desechables que comprenden una sección frontal abdominal y una sección posterior que se unen de forma anular (Párr. 0005). F I G . 4  En la figura 4 se evidencia que la sección frontal 4 está separada de la parte 2a y 2b.
Un primer miembro de unión que se une a la primera sección lateral y se une a la sección intermedia, el primer miembro de unión se une de manera desprendible ya sea a dicha primera sección lateral o a la sección intermedia; y	Una primera parte adhesiva desde al menos una parte de la zona central posicionada entre las partes removibles derecha e izquierda del lado exterior de la sección frontal abdominal (Párr. 0005).
c. un segundo miembro de unión que se une a la segunda sección lateral y se une a la sección intermedia, el segundo miembro de unión se une de manera desprendible ya sea a dicha segunda sección lateral o a la sección intermedia.	

De acuerdo con la tabla anterior, las características esenciales del producto de la reivindicación 1 habían sido divulgadas previamente en el documento D1, por lo tanto, la materia reivindicada no es nueva.

Asimismo D1 divulga las características de las reivindicaciones dependientes así:

Reivindicación 3: En la figura 3 contigua se puede observar que hay dos interrupciones 3a y 3b entre la parte frontal 4 y las secciones laterales 2a 2b.



La reivindicación 10 que consiste en “Una prenda interior absorbente desechable ajustable pre-sujetada de tipo pantalón que comprende:” (Ver Pág. 2 del Radicado N°. 14-196607-00000-0000).

Comparación de las características esenciales con el estado de la técnica:

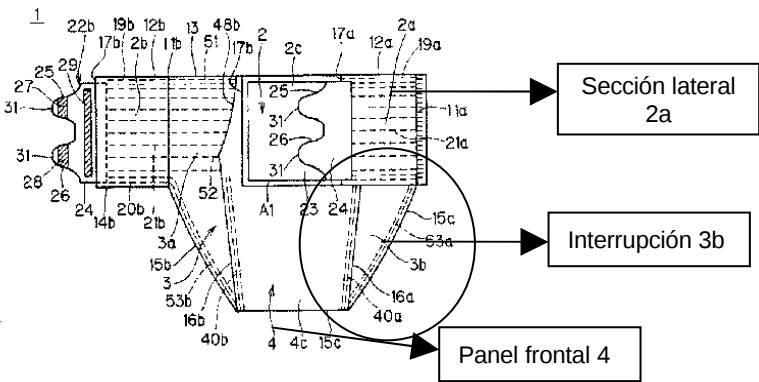
Características esenciales	D1
Una prenda interior absorbente desechable ajustable pre-sujetada de tipo pantalón que comprende: a. un panel corporal frontal que tiene una primera sección lateral, una segunda sección lateral, y una sección intermedia, en donde el panel corporal frontal está completamente separado entre la primera sección lateral y la sección intermedia, y en donde el panel corporal frontal está completamente separado entre la segunda sección lateral y la sección intermedia;	Unos pantalones desechables que comprenden una sección frontal abdominal y una sección posterior que se unen de forma anular (Párr. 0005). FIG. 4 En la figura 4 se evidencia que la sección frontal 4 está separada de la parte 2a y 2b.
b. un primer miembro de unión que se une a la primera sección lateral y se une a la sección intermedia, el primer miembro de unión se une de manera desprendible ya sea a dicha primera sección lateral o a la sección intermedia;	Una primera parte adhesiva desde al menos una parte de la zona central posicionada entre las partes removibles derecha e izquierda del lado exterior de la sección frontal abdominal (Párr. 0005)

c. un segundo miembro de unión que se une a la primera sección lateral y se une a la sección intermedia, el segundo miembro de unión se une de manera desprendible ya sea a dicha segunda sección lateral o a la sección intermedia;	
d. un panel corporal posterior; y	Una sección posterior 3 (Párr. 0028).
e. un ensamblaje absorbente asegurado a dichos paneles corporal frontal y posterior, y dichos paneles corporales frontal y posterior se unen entre sí mediante un par de costuras laterales para formar una abertura de la cintura y un par de aberturas de las piernas.	La parte absorbente 43 tiene un ancho predeterminado y se extiende en la dirección frontal hasta la posterior en la forma de una banda con la parte inguinal central 4c (Párr. 0053). La parte de unión izquierda 11a y la derecha 11b unen los bordes izquierdo y derecho de la sección abdominal 2 y los bordes izquierdo y derecho de la sección posterior 3 (Párr. 0028)

De acuerdo con la tabla anterior, las características esenciales del producto de la reivindicación 10 habían sido divulgadas previamente en el documento D1, por lo tanto, la materia reivindicada no es nueva.

Asimismo D1 divulga las características de las reivindicaciones dependientes así:

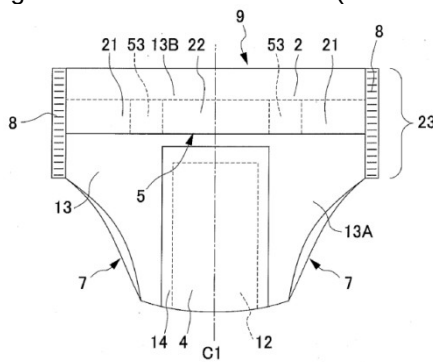
- Reivindicación 12: En la figura 3 (ver abajo adjunta) se puede observar que hay dos interrupciones 3a y 3b entre la parte frontal 4 y las secciones laterales 2a y 2b.



Nivel Inventivo (Art. 18 D486)

Ahora, la reivindicación 2 consiste en: “El panel corporal de la reivindicación 1 en donde”: (Ver Pág. 1 del Radicado N°. 14-196607-00000-0000).

Comparación de las características técnicas esenciales, con las del estado de la técnica:

Características esenciales	D1	D2
El panel corporal de la reivindicación 1 en donde la primera sección lateral y la sección intermedia del panel corporal frontal no se solapan, y la segunda sección lateral y la sección intermedia del panel corporal frontal no se solapan.	No menciona	En la figura 5, la lámina 14 puede funcionar como el marco interno 13 (Párr. 0059), el cual tiene un cuerpo frontal 2, uno posterior 3 y una parte inguinal 4 (Párr. 0057).  La lámina 14 puede conectarse independientemente al marco interno 13 y alternativamente esta lámina puede funcionar como el marco interno 13 (Párr.0059). El panel frontal del marco interno 13 tiene una sección que puede abrirse y una lámina auxiliar que puede cubrirla (Párr. 0014).

El documento D1 se considera el estado de la técnica más cercano a la invención definida en la reivindicación 2 porque divulga unos panties desechables que comprenden una sección frontal abdominal y una sección posterior que se unen de forma anular (Párr. 0005).

La diferencia entre la invención, definida en la reivindicación 1 y los panties desechables divulgados en D1 es que este último no menciona que haya un solape entre la sección lateral y la sección intermedia.

El efecto que logra el no tener un traslape entre las secciones intermedia y lateral es que el portador no tiene que quitar la vestimenta exterior con el objetivo de comprobar el estado de la prenda interior, o de retirar la prenda interior de su cuerpo.

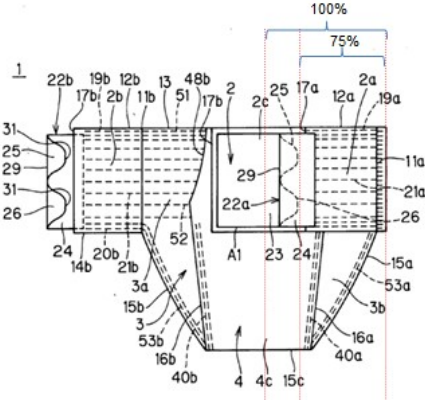
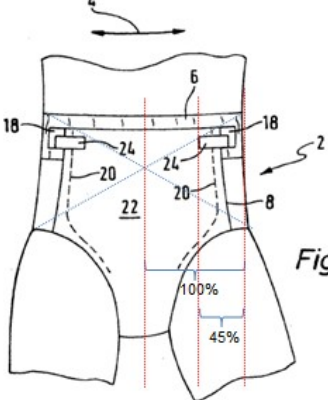
Por lo tanto, el problema técnico objetivo que pretende resolver esta invención se puede formular así: ¿Cómo modificar los panties desechables conocidos en D1 de tal manera que las secciones intermedia y lateral no presenten un traslape?

Sin embargo, el documento D2 hace mención a una lámina 14 que como se evidencia en la figura 5, no presenta traslape entre la sección intermedia y la sección lateral. Asimismo, se facilita un arreglo en el cual una abertura para la micción se dispone sobre el panel frontal del pañal (Párr. 0011).

En consecuencia, la persona normalmente versada en la materia, estaría motivada a emplear la lámina que no presenta traslape conocida en D2 como panel frontal en la configuración de pañal de D1, para así llegar a la materia reivindicada, por tanto, se considera obvia.

Por su parte, la reivindicación 9 que consiste en “El panel corporal de la reivindicación 8 en donde:” (Ver Pág. 1 del Radicado N°. 14-196607-00000-0000).

Comparación de las características técnicas esenciales, con las del estado de la técnica:

Características esenciales	D1	D3
El panel corporal de la reivindicación 8 en donde el primer miembro de unión y el segundo miembro de unión se localizan entre 35% y 45% de la distancia entre la costura lateral y el punto medio de la sección transversal del panel frontal.	FIG. 3  (Medición del miembro de unión con respecto a la costura lateral está en una posición del orden del 75%)	 (Medición del miembro de unión con respecto a la costura lateral está en una posición del orden del 45%)

El documento D1 se considera el estado de la técnica más cercano a la invención definida en la reivindicación 9 porque divulga unos panties desechables que comprenden una sección frontal abdominal y una sección posterior que se unen de forma anular (Párr. 0005).

La diferencia entre la invención, definida en la reivindicación 9 y los pantalones desechables divulgados en D1 es que este último no menciona la localización de los miembros de unión con respecto a la costura lateral.

No se evidencia un efecto técnico inesperado de la localización de estos miembros de unión, además de ser una consecuencia de las proporciones de las secciones lateral e intermedia y ser parámetros de diseño.

Por lo tanto, el problema técnico objetivo que pretende resolver esta invención se puede formular así: ¿Cómo modificar de forma alternativa los panties desechables conocidos en D1?

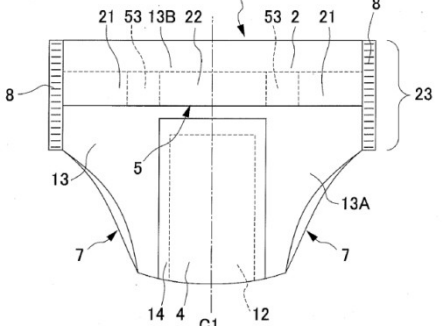
Sin embargo, ya eran conocidos en el estado de la técnica pañales desechables con miembros de unión localizados en una posición del 45% con respecto a la costura lateral por cuanto de la figura 1 del documento D3 se extrae dicha medición.

En consecuencia, la persona normalmente versada en la materia, estaría motivada a emplear un miembro de unión en una localización del 45% conocida en D3 en el pantalón desechable de D1, para así llegar a la materia reivindicada, por tanto, se

considera obvia.

Ahora, la reivindicación 11 consiste en: “La prenda interior desechable ajustable pre-sujetada de tipo pantalón de la reivindicación 10 en donde”: (Ver Pág. 3 del Radicado N°. 14-196607-00000-0000).

Comparación de las características técnicas esenciales, con las del estado de la técnica:

Características esenciales	D1	D2
La prenda interior desechable ajustable pre-sujetada de tipo pantalón de la reivindicación 10 en donde la primera sección lateral y la sección intermedia del panel corporal frontal no se solapan, y la segunda sección lateral y la sección intermedia del panel corporal frontal no se solapan.	No menciona	En la figura 5, la lámina 14 puede funcionar como el marco interno 13 (Párr. 0059), el cual tiene un cuerpo frontal 2, uno posterior 3 y una parte inguinal 4 (Párr. 0057).  La lámina 14 puede conectarse independientemente al marco interno 13 y alternativamente esta lámina puede funcionar como el marco interno 13 (Párr.0059). El panel frontal del marco interno 13 tiene una sección que puede abrirse y una lámina auxiliar que puede cubrirla (Párr. 0014).

El documento D1 se considera el estado de la técnica más cercano a la invención definida en la reivindicación 11 porque divulga unos panties desechables que comprenden una sección frontal abdominal y una sección posterior que se unen de forma anular (Párr. 0005).

La diferencia entre la invención, definida en la reivindicación 11 y los panties desechables divulgados en D1 es que este último no menciona que haya un solape entre la sección lateral y la sección intermedia.

El efecto que logra el no tener un traslape entre las secciones intermedia y lateral es que el portador no tiene que quitar la vestimenta exterior con el objetivo de comprobar el estado de la prenda interior, o de retirar la prenda interior de su cuerpo.

Por lo tanto, el problema técnico objetivo que pretende resolver esta invención se puede formular así: ¿Cómo modificar los panties desechables conocidos en D1 de tal manera que las secciones intermedia y lateral no presenten un traslape?

Sin embargo, el documento D2 hace mención a una lámina 14 que como se evidencia en la figura 5, no presenta traslape entre la sección intermedia y la sección lateral. Asimismo, se facilita un arreglo en el cual una abertura para la micción se dispone sobre el panel frontal del pañal (Párr. 0011).

Entonces, la persona normalmente versada en la materia, estaría motivada a emplear la lámina que no presenta traslape conocida en D2 como panel frontal, en la configuración de pañal de D1 para así llegar a la materia reivindicada, por tanto, se considera obvia.

Por su parte, la reivindicación 19 que consiste en “El panel corporal de la reivindicación 17 en donde:” (Ver Pág. 4 del Radicado N°. 14-196607-00000-0000).

Comparación de las características técnicas esenciales, con las del estado de la técnica:

Características esenciales	D1	D3
El panel corporal de la reivindicación 8 en donde el primer miembro de unión y el segundo miembro de unión se localizan entre 35% y 45% de la distancia entre la costura lateral y el punto medio de la sección transversal del panel frontal.		

El documento D1 se considera el estado de la técnica más cercano a la invención definida en la reivindicación 19 porque divulga unos panties desechables que comprenden una sección frontal abdominal y una sección posterior que se unen de forma anular (Párr. 0005).

La diferencia entre la invención, definida en la reivindicación 19 y los panties desechables divulgados en D1 es que este último no menciona la localización de los miembros de unión con respecto a la costura lateral.

No se evidencia un efecto técnico inesperado de la localización de estos miembros de unión, además de ser una consecuencia de las proporciones de las secciones lateral e intermedia y ser parámetros de diseño.

Por lo tanto, el problema técnico objetivo que pretende resolver esta invención se puede formular así: ¿Cómo modificar de forma alternativa los panties desechables conocidos en D1?

Sin embargo, ya eran conocidos en el estado de la técnica pañales desechables con miembros de unión localizados en una posición del 45% con respecto a la costura lateral por cuanto de la figura 1 del documento D3 se extrae dicha medición.

En consecuencia, la persona normalmente versada en la materia, estaría motivada a emplear un miembro de unión en una localización del 45% conocida en D3, en el

pantalón desechable de D1 para así llegar a la materia reivindicada, por tanto, se considera obvia.

7. Conclusión

Los requisitos de Patentabilidad de la presente solicitud están afectados así:

Ítem	Documento	Reivindicaciones afectadas	Requisito que afecta
D1	US 2008/0154223	1, 3, 10 y 12	Novedad y Nivel Inventivo
		2, 9, 11, 19	Nivel Inventivo
D2	US 2008/0269711	2 y 11	Nivel inventivo
D3	US2006/0259001	9 y 19	Nivel Inventivo

En cumplimiento del artículo 45 de la Decisión 486 de la Comisión de la Comunidad Andina, se le indica que debe dar respuesta dentro del término de sesenta (60) días contados a partir de la fecha de notificación de la presente comunicación. En caso de no dar respuesta al presente requerimiento, o si a pesar de la respuesta subsistieran los impedimentos para la concesión, se denegará la patente.

Si como respuesta a este requerimiento el solicitante llegara a modificar: i) el capítulo reivindicatorio, ii) la descripción de la invención a proteger, iii) o presente un nuevo capítulo reivindicatorio, y desee que se realice un nuevo examen de patentabilidad a esta modificación, no deberá pagar la tasa de modificación voluntaria pero sí la correspondiente a la tasa de examen de patentabilidad. En todo caso, el número de requerimientos por no patentabilidad estará supeditado a que el término del estudio de patentabilidad no sea superior a 18 meses, contados desde la publicación de la solicitud de patente de invención. Adicionalmente, se le recuerda al solicitante que si como respuesta a este requerimiento llegara a modificar el capítulo reivindicatorio y éste contenga más de diez (10) reivindicaciones deberá pagar la tasa por reivindicación adicional.

Notifíquese el presente oficio conforme a lo dispuesto en el numeral 5.2, literal e), del capítulo quinto del título primero de la Circular Única No. 10 de 2001.



JOSÉ LUIS SALAZAR LÓPEZ
Director de Nuevas Creaciones (c)

El anterior requerimiento fue notificado por fijación en lista, de fecha 2016-05-17

Elaboró: Natalia Estefania Paez Coy

Revisó: Olga Ximena Benavides Salazar

Results: 15

Search history

Search [SP: 1. a body panel for a pre-fastened adjustable pant-like disposable absorbent undergarment comprising: a. a first side section, a second side section, and a middle section, wherein the front body panel is completely severed between the first side section and the middle section and wherein the front body panel is completely severed between the second side section and the middle section b. a first attachment member being attached to the first side section and attached to the middle section, the first attachment member being releasably attached to either said first side section or middle section and c. a second attachment member being attached to the second side section and attached to the middle section, the second attachment member being releasably attached to either said second side section or middle section. 2. the body panel of claim 1 wherein the first side section and the middle section of the front body panel do not overlap, and the second side section and the middle section of the front body panel do not overlap. 3. the body panel of claim 1 wherein a first gap exists between the first side section and the middle section of the front body panel in the pre-fastened condition, and wherein a second gap exists between the second side section and the middle section of the front body panel in the pre-fastened condition. 4. the body panel of claim 1 wherein a terminal edge of the first side section abuts against the first edge of the middle section of the front body panel in the pre-fastened condition, and wherein a terminal edge of the second side section abuts against the second edge of the middle section of the front body panel in the pre-fastened condition. 5. the body panel of claim 1 wherein the first attachment member and the second attachment member extend at least 75 percent of the distance between the waist end and the leg opening. 6. the body panel of claim 1 wherein the first attachment member and the second attachment member completely extend at least 95 percent of the distance between the waist end and the leg opening. 7. the body panel of claim 1 wherein the first attachment member and the second attachment member are located near the midpoint between the side seam and the cross-sectional midpoint of the front panel. 8. the body panel of claim 7 wherein the first attachment member and the second attachment member are located between 30 percent and 70 percent of the distance between the side seam and the cross-sectional midpoint of the front panel. 9. the body panel of claim 8 wherein the first attachment member and the second attachment member are located between 35 percent and 45 percent of the distance between the side seam and the cross-sectional midpoint of the front panel. 10. a pre-fastened adjustable pant-like disposable absorbent undergarment comprising: a. a front body panel having a first side section, a second side section, and a middle section, wherein the front body panel is completely severed between the first side section and the middle section, and wherein the front body panel is completely severed between the second side section and the middle section b. a first attachment member being attached to the first side section and attached to the middle section, the first attachment member being releasably attached to either said first side section or middle section c. a second attachment member being attached to the first side section and attached to the middle section, the second attachment member being releasably attached to either said second side section or middle section d. a back body panel and e. an absorbent assembly secured to said front and back body panels, and said front and back body panels being joined together by a pair of side seams to form a waist opening and a pair of leg openings. 11. the pre-fastened adjustable pant-like disposable undergarment of claim 10 wherein the first side section and the middle section of the front body panel do not overlap, and the second side section and the middle section of the front body panel do not overlap. 12. the pre-fastened adjustable pant-like disposable undergarment of claim 10 wherein a first gap exists between the first side section and the middle section of the front body panel, and wherein a second gap exists between the second side section and the middle section of the front body panel. 13. the pre-fastened adjustable pant-like disposable undergarment of claim 10 wherein a terminal edge of the first side section abuts against the first edge of the middle section of the front body panel, and wherein a terminal edge of the second side section abuts against the second edge of the middle section of the front body panel. 14. the pre-fastened adjustable pant-like disposable undergarment of claim 10 wherein a terminal edge of one of the first or second side sections abuts against the edge of the middle section of the front body panel and the first gap exists between one of the first or second side sections and the middle section of the front body panel. 15. the pre-fastened adjustable pant-like disposable undergarment of claim 10 wherein the first attachment member and the second attachment member extend at least 75 percent of the distance between the waist end and the leg opening. 16. the pre-fastened adjustable pant-like disposable undergarment of claim 15 wherein the first attachment member and the second attachment member completely extend at least 95 percent of the distance between the waist end and the leg opening. 17. the pre-fastened adjustable pant-like disposable undergarment of claim 10 wherein the first attachment member and the second attachment member are located near the midpoint between the side seam and the cross sectional midpoint of the front panel. 18. the pre-fastened adjustable pant-like disposable undergarment of claim 16 wherein the first attachment member and the second attachment member are located between 30 percent and 70 percent of the distance between the side seam and the cross sectional midpoint of the front panel. 19. the pre-fastened adjustable pant-like disposable undergarment of claim 17 wherein the first attachment member and the second attachment member are located between 35 percent and 45 percent of the distance between the side seam and the cross sectional midpoint of the front panel. (Results 15)

Title: DISPOSABLE DIAPER

Abstract: Source: US2002156444 A disposable diaper includes a backsheet consisting essentially of an elastic inner layer and an inelastic outer layer made of fibrous material. The inelastic outer layer is joined to the elastic inner layer in its stretched state at a plurality of spots for joining intermittently arranged on the elastic inner layer in its stretched state. In each of areas enclosed by a plurality of intersecting lines each defined by a plurality of the spots for joining closely arranged in succession, the inelastic outer layer is free to float off from the elastic inner layer and thereupon to form a plurality of pleats as the elastic inner layer is made free to contact.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/49 A61F13/51 A61F13/514 A61F5/44 B32B7/02 (Advanced/Invention);

A61F13/496 (Advanced/Non-invention);

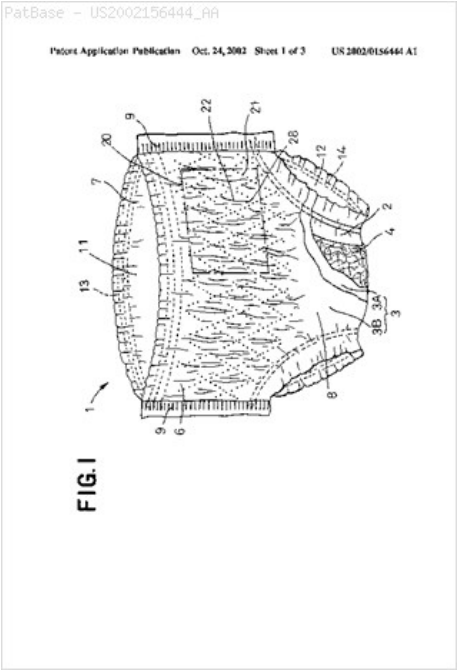
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International (IPC 1-7): A61F13/00 A61F13/15 A61F13/20 A61F13/49 A61F13/514 A61F13/54 A61F5/44

CPC: A61F13/51464 A61F13/51478 A61F13/5148 A61F2013/51429 A61F13/51498

European: A61F13/15C3 A61F13/514B2 A61F13/514C2A A61F13/514E K61F13/514A4C K61F13/514C2

US: 604/366 604/366S 604/385.22 604/385.220P 604/385.220S 604/385.24 604/385.25 604/385.29 604/385.290S 604/385.3 604/385.300P 604/396 604/396S



Family:

Publication number	Publication date	Application number	Application date
CN1136827 C	20040204	CN19971021421	19970929
CN1179300 A	19980422	CN19971021421	19970929
EP0832629 A2	19980401	EP19970307384	19970922
EP0832629 A3	20000202	EP19970307384	19970922
EP0832629 B1	20061102	EP19970307384	19970922
ID18374 A	19980402	ID19970003306	19970926
JP10099373 A2	19980421	JP19960259571	19960930
JP3340032 B2	20021028	JP19960259571	19960930
TH24302 B	20080818	TH19971003959	19970930
TH31174 A	19981130	TH19971003959	19970930
TW338719 B	19980821	TW19970113857	19970923
US2002156444 AA	20021024	US19970937515	19970925
US2002193774 AA	20021219	US20020206190	20020729
US7112193 BB	20060926	US20020206190	20020729

Priority:

JP19960259571 19960930 US19970937515 19970925 US20020206190 20020729

Probable Assignee: UNI CHARM CORP

Assignee(s): (std): UNI CHARM CORP ; UNICHARM CORP

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Inventor(s): TOSHIFUMI OTSUBO ; TOSHOFUMI OTSUBO

Agent(s): LOWE HAUPTMAN AND BERNER LLP

Designated states: AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

Title: MULTI-FUNCTIONAL FASTENER FOR DISPOSABLE ABSORBENT ARTICLES

Abstract: Source: US6402731B A disposable absorbent article includes a multi-functional fastening system which includes a pair of primary fasteners which are located on the opposed side edges in one of the waist regions of the absorbent article. The primary fasteners are configured to releasably engage the opposite waist region of the absorbent article. The fastening system also includes at least one secondary fastener which is located in one of the waist regions of the absorbent article. The secondary fastener is configured to releasably engage the opposite waist region of the absorbent article to conform the waist regions of the article to a wearer's body after the primary fasteners have been releasably engaged. The primary fasteners may be prefastened to allow the disposable absorbent article to be pulled on or off over the wearer's hips. The fastening system may further include a belt segment to which the secondary fasteners are attached.

Classifications:

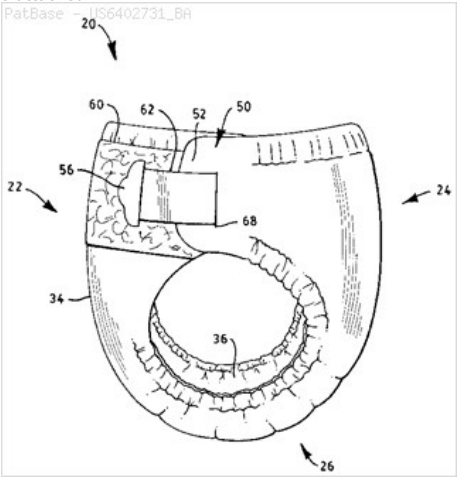
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International (IPC 1-7): A61F A61F13/15 A61F13/49 A61F13/56

CPC: A61F13/5655

European: A61F13/56C

US: 604/391 604/392 604/394 664/392 664/394



Family:

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AR016794 AA	20010801	AR1998P103865	19980804
AU199886022 A1	19990301	AU19980086022	19980729
AU731193 B2	20010329	AU19980086022	19980729
BRPI9815533 A	20010612	BR1998P115533	19980729
CA2289029 AA	19991103	CA19982289029	19980729
CO5060486 A1	20010730	CO19980043639	19980731
DE69828170 D1	20050120	DE19986028170	19980729
DE69828170 T2	20051222	DE19986028170T	19980729
EP1001726 A1	20000524	EP19980937274	19980729
EP1001726 B1	20041215	EP19980937274	19980729
IL132595 A0	20010319	IL19980132595	19980729
IL132595 A1	20041110	IL19990132595	19991027
JP2001513364 T2	20010904	JP20000506916T	19980729
JP4267200 B2	20090527	JP20000506916T	19980729
US6402731 BA	20020611	US19970907585	19970808
WO9907319 A1	19990218	WO1998US15787	19980729

Priority:

US19970907585 19970808 WO1998US15787 19980729 WO1998GB15787 19980729

Probable Assignee: KIMBERLY CLARK WORLDWIDE INC

Assignee(s): (std): KIMBERLY CLARK CO

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Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; BORDEN LADNER GERVAIS LLP; RAMIRO CASTRO DUQUE; REINHOLD COHN AND PARTNERS

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR GA GB GE GH GM GN GR GW HR HU ID IE IL IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG UZ VN YU ZW

Title: ABSORBENT ARTICLE

Abstract: Source: US2003060795A An absorbent article such as a diaper and an incontinence guard provided with a pair of belt members (10a, 10b) attached to the rear portion (6), alternatively to the front portion, of the article and which are intended to be fastened together around the waist of the wearer by fastening means (11,12) and where the front portion (5), alternatively the rear portion, is provided with fasteners (8,9) intended to be fastened to the belt members (10a, 10b), in such a way that the article will assume a pantlike shape, where the belt members (10a, 10b) form a part of the waist portions of the pant. The belt members (10a, 10b) include a flexible laminate of at least two layers of fibrous material bonded together in a bonding pattern (13) provided by ultrasonic, laser and/or heat, the bonding pattern having a bonding area of no more than 10 percent, and the laminate having a tear strength of at least 22 N.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/49 A61F13/56 A61F13/64

A61F5/44 (Advanced/Invention);

A61F13/64 (Advanced/Non-invention);

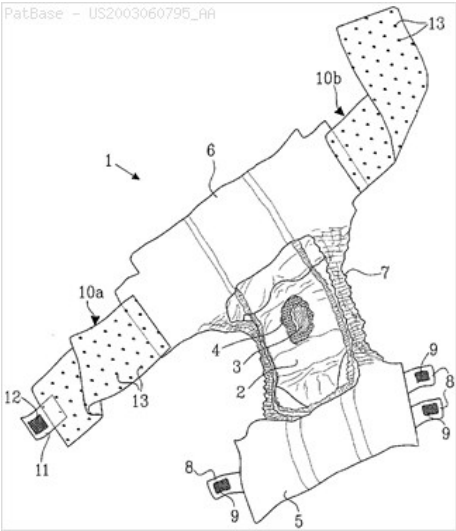
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International (IPC 1-7): A61F13/15 A61F13/20 A61F13/49 A61F13/56 A61F13/64 A61F5/44

CPC: A61F13/49015 A61F13/64

European: A61F13/49D2D2 A61F13/56C A61F13/64

US: 604/365 604/365S 604/385.03 604/385.030S 604/385.24 604/385.29 604/385.3 604/386 604/387 604/392 604/392P 604/396



Family:

Publication number	Publication date	Application number	Application date
AR035141 AA	20040414	AR2002P103090	20020815
AU2002326255 AA	20030310	AU20020326255	20020815
AU2002326255 BB	20070419	AU20020326255	20020815
AU2002326255 BH	20070510	AU20020326255	20020815
BRPI0212092 A	20040803	BR2002PI12092	20020815
BRPI0212092 B1	20120515	BR2002PI12092	20020815
CA2456758 AA	20040204	CA20022456758	20020815
EP1441680 A1	20040804	EP20020760946	20020815
EP1441680 B1	20121226	EP20020760946	20020815
JP2005500135 T2	20050106	JP20030522426T	20020815
JP4317447 B2	20090819	JP20030522426T	20020815
KR100886649 B1	20090304	KR20047002523	20020815
KR20040027954 A	20040401	KR20047002523	20020815
MXPA04001327 A1	20040505	MX2004PA01327	20020815
PL205978 B1	20100630	PL20020367988	20020815
PL367988 A1	20050321	PL20020367988	20020815
RU2004108130 A	20050310	RU20040108130	20020815
RU2292860 C2	20070210	RU20040108130	20020815
SE200102805 A	20030223	SE20010002805D	20010822
SE200102805 A0	20010822	SE20010002805	20010822
SE200102805 L	20030223	SE20010002805	20010822
US2003060795 AA	20030327	US20020225203	20020822
US8123734 BB	20120228	US20020225203	20020822
WO03017902 A1	20030306	WO2002SE01455	20020815

Priority:

US20010313805P 20010822 SE20010002805 20010822 US20020225203 20020822
WO2002SE01455 20020815

Probable Assignee: SCA HYGIENE PRODUCTS AB

Assignee(s): (std): ALMBERG CHRISTIAN ; SCA HYGIENE PROD AB ; SCA HYGIENE PRODUCTS AB

Assignee(s): SKA KHAJDZHIN PRODAKTS AB

Inventor(s): (std): AL MBERG KRISTIAN ; ALMBERG CHRISTIAN ; CHRISTIAN ALMBERG

Inventor(s): AL'MBERG KRISTIAN

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; FETHERSTONHAUGH AND CO; EGEROED LISBETH; BUCHANAN INGERSOLL AND ROONEY PC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

Title: METHOD AND APPARATUS FOR ASSEMBLING REFASTENABLE ABSORBENT GARMENT

Abstract: Source: US2003055389A A method for fabricating a refastenable absorbent garment comprises moving a base web in a first machine direction, moving at least two strips of fastener material in a second machine direction, cutting the at least two strips of fastener material to define at least a first and second stream of a plurality of fastener members, successively rotating each of the fastener members in each of the first and second streams, and applying each of the rotated fastener members in each of the first and second streams to the base web, wherein the fastener members in the first stream are sequentially located relative to the fastener members in the second stream on the base web in an alternating relationship along the first machine direction. An apparatus for fabricating a refastenable absorbent garment is also provided and includes a rotator and a construction drum rotating about an axis and positioned adjacent the rotator.

Classifications:

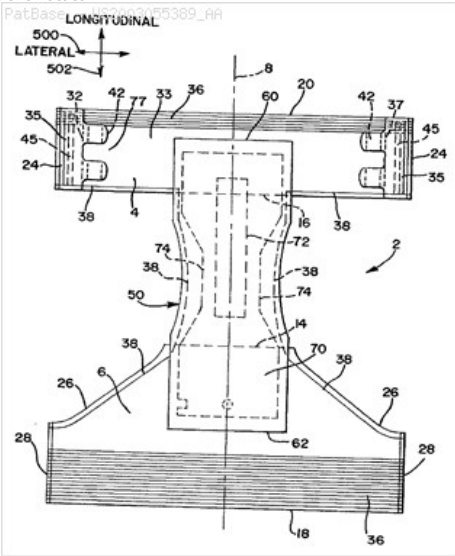
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International (IPC 1-7): A61F13/15 A61F13/49 A61F13/56

CPC: A61F13/15756

European: A61F13/15M7

US: 604/358 604/385.01 604/391



Family:

Publication number	Publication date	Application number	Application date
AR036594 AA	20040922	AR2002P103460	20020912
AU2002362305 AA	20030401	AU20020362305	20020801
EP1424977 A2	20040609	EP20020752681	20020801
JP2005526530 T2	20050908	JP20030528275T	20020801
MXPA04001827 A1	20040708	MX2004PA01827	20020801
NO20040891 A	20040301	NO20040000891	20040301
US2003055389 AA	20030320	US20010954506	20010914
WO03024375 A2	20030327	WO2002US24682	20020801
WO03024375 A3	20030904	WO2002US24682	20020801

Priority:

US20010954506 20010914 WO2002US24682 20020801

Probable Assignee: KIMBERLY CLARK WORLDWIDE INC

Assignee(s): (std): MLINAR JOSEPH A ; MURIE DENISE M B ; SANDERS DONALD J ; SORENSON JESSE P ; WAGNER KENNETH J ; KIMBERLY CLARK CO

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Inventor(s): (std): DONALD J SANDERS ; SANDERS DONALD ; SANDERS DONALD J ; SORENSON JESSE P ; WAGNER KENNETH J ; MLINAR JOSEPH A ; MURIE DENISE M B

Inventor(s): MURIE DENISE MB ; DENISE M B MURIE ; JESSE P SORENSON ; JOSEPH A MLINAR ; KENNETH J WAGNER

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

Title: ABSORBENT ARTICLE HAVING DUAL PATTERN BONDING

Abstract: Source: US2006089616A The present invention relates to improvements in bonding patterns for the attachment of components of disposable absorbent articles. For example, in order to provide attachment of an ear portion to a longitudinal side of the chassis of an article, there may be an attachment area. The attachment area may include an overlapping area of chassis material(s) (outer cover and/or liner materials) and ear portion material. The overlapping areas of chassis material and ear portion material are bonded together in such a way as to include a variegated bond pattern and a uniform bond pattern. The bonding patterns of the invention may also be used to form the side seams and passive side bonds for articles that are donned as pants.

Classifications:

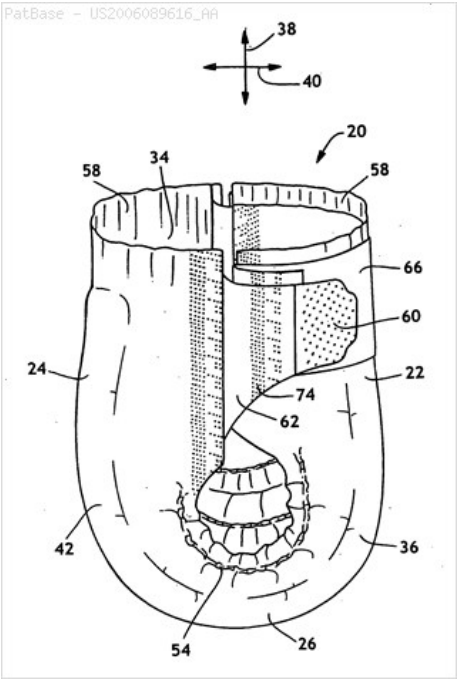
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International (IPC 1-7): A61F13/15 A61F13/56 B23K20/10 B29C65/08

CPC: A61F13/515 B29C66/1122 B29C66/232 B29C66/472 B29C66/81433 A61F13/49 A61F13/496 A61F13/4963 B29C65/08 B29C66/21 B29L2031/4878 A61F13/5655

European: A61F13/49 A61F13/496 A61F13/515 A61F13/56C K61F13/496A L29C65/02 L29C65/08 L29C66/21 L29L31/48E2

US: 604/385.11 604/385.110S 604/389 604/389P



Family:

Publication number	Publication date	Application number	Application date
AU2003262762 AA	20040311	AU20030262762	20030820
AU2003262771 AA	20040311	AU20030262771	20030822
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EP1545420 A1	20050629	EP20030793244	20030822
MXPA05001508 A1	20050419	MX2005PA01508	20030820
MXPA05001514 A1	20050419	MX2005PA01514	20030822
US2006089616 AA	20060427	US20050524718	20050215
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US2006149209 AA	20060706	US20050524717	20050215
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WO04017882 A2	20040304	WO2003US26183	20030820
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Priority:

US20020405861P 20020822	US20020406199P 20020826	WO2003US26183 20030820
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Probable Assignee: KIMBERLY CLARK WORLDWIDE INC

Assignee(s): (std): BELAU TOM RUSSELL ; CONDRON JOHN FORD ; DATTA PAUL J ; EHLERT THOMAS D ; GOSSEN BARBARA A ; KEUHN CHARLES PAUL JR ; KIMBERLY CLARK CO ; MALCHOW GREGORY LYNN ; PUTZER MELISSA CHRISTINE ; LORD PATRICK R ; KIMBERLY CLARK WORLD INC

Assignee(s): KIMBERLY CLARK WORLDWIDE INC

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Inventor(s): MALCHOW GREGORY ; THOMAS D EHLERT ; TOM RUSSELL BELAU ; MELISSA CHRISTINE PUTZER ; PATRICK R LORD ; PAUL J DATTA ; PUTZER MELISSA ; KEUHN CHARLES PJR ; LORD PATRICK ; GREGORY LYNN MALCHOW ; JOHN FORD CONDRON ; KEUHN CHARLES ; KEUHN CHARLES P ; GOSSEN BARBARA ; EHLERT THOMAS ; DATTA PAUL ; BARBARA A GOSSEN ; BELAU TOM ; CHARLES PAUL JR KEUHN ; CONDRON JOHN

Agent(s): KIMBERLY CLARK WORLDWIDE INC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: DISPOSABLE NAPPY

Abstract: Source: US2006259001A The invention relates to a disposable diaper (2) comprising a hip belt (6) creating a hip opening that is closed in the peripheral direction in addition to a main part of the diaper consisting of a front region (14), a rear region (10) and an interlying intermediate region (12). The main part (8) of the diaper can be detachably attached to the hip belt (6) at longitudinal ends of the front region (14) or the rear region (10) thereof, by means of a closing means (18), in such a way that, when the hip belt (6) is applied, a user reaches for the main part of the diaper (8) between the legs, and the free longitudinal end of the main part of the diaper (8) can be detachably fixed to the hip belt (6). The inventive diaper is embodied in such a way that, starting from a longitudinal end region (16) of the main part (8) of the diaper, two expected fracture lines (20) or separating cuts are provided in the main part (8) of the diaper, extending in the direction of the intermediate region (12), such that a central section (22) of the main part (18), arranged between the expected fracture lines (20) or separating cuts can be flapped or folded away from the hip belt (6) along said expected fracture lines (20) or separating cuts, and can be detachably reconnected to the hip belt (6) and/or adjacent regions (26) of the main part of the diaper (8), by means of a second closing means (24), in order to reclose the diaper.

Classifications:

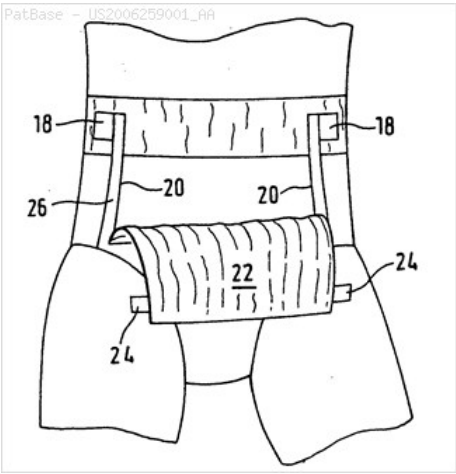
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International (IPC 1-7): A61F13/15 A61F13/42 A61F13/49 A61F13/56

CPC: A61F13/5644 A61F13/84 A61F13/42

European: A61F13/42 A61F13/56C A61F13/84

US: 604/385.11 604/385.110P 604/392 604/392S 604/395 604/395S



Family:

Publication number	Publication date	Application number	Application date
AT373457 E	20071015	AT20040763414T	20040723
DE10338607 A1	20050317	DE20031038607	20030822
DE502004005037 D1	20071031	DE200450005037T	20040723
EP1656090 A1	20060517	EP20040763414	20040723
EP1656090 B1	20070919	EP20040763414	20040723
US2006259001 AA	20061116	US20060568462	20060215
WO05020863 A1	20050310	WO2004EP08219	20040723

Priority:

DE20031038607 20030822 WO2004EP08219 20040723

Probable Assignee: PAUL HARTMANN AG

Assignee(s): (std): HARTMANN PAUL AG ; ROEHL WOLFGANG ; STUPPERICH HANS PETER

Assignee(s): PAUL HARTMANN AG ; PAUL HARTMANN AKTIENGESELLSCHAFT

Inventor(s): (std): ROEHL WOLFGANG ; STUPPERICH HANS PETER

Agent(s): DREISS FUHLENDORF STEIMLE AND BECKER

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: ATTACHABLE ABSORBENT GARMENT SIDE PANELS

Abstract: Source: US2005059947A The present invention discloses an attachable side panel for use with incontinent garments. The side panels are made of a rectangular sheet of skin-friendly material and include a fastener. The fastener is positioned along one or both of the widthwise edges, and allows the side panel to attach to the front and/or back of the incontinent garment bridging the gap on each side of the wearer. The present invention can be used with incontinent garments that are commercially available, or the incontinent garment can be especially designed to be used and sold with the side panels.

Classifications:

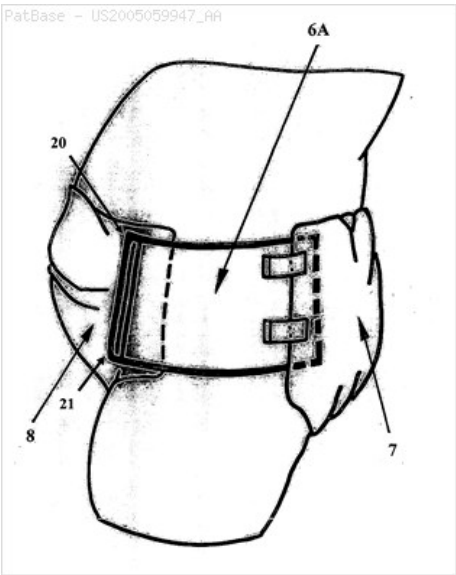
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International (IPC 1-7): A61F13/15 A61F13/20 A61F13/56 A61F13/58 A61F13/60 A61F13/66

CPC: A61F13/5638 A61F13/505 A61F13/15756 A61F13/49015 A61F13/493 A61F13/60 A61F13/68 A61F2013/49084 A61F2013/5683 A61F2013/583 A61F2013/587

European: A61F13/15M7 A61F13/493 A61F13/49D2D2 A61F13/505 A61F13/56C A61F13/60 A61F13/68 K61F13/49K K61F13/56G K61F13/58D K61F13/58E2

US: 604/387 604/387P



Family:

Publication number	Publication date	Application number	Application date
US2005059947 AA	20050317	US20040942237	20040916
US2005059948 AA	20050317	US20040942244	20040916
US2005059949 AA	20050317	US20040942470	20040916
US2005059950 AA	20050317	US20040942471	20040916
WO05027781 A2	20050331	WO2004US30266	20040916
WO05027781 A3	20060105	WO2004US30266	20040916
WO05027782 A2	20050331	WO2004US30320	20040916
WO05027782 A3	20051201	WO2004US30320	20040916
WO05027783 A2	20050331	WO2004US30321	20040916
WO05027783 A3	20060330	WO2004US30321	20040916
WO05027811 A1	20050331	WO2004US30332	20040916

Priority:

US20030503532P 20030916 US20040942237 20040916 US20040942244 20040916
US20040942471 20040916 US20040942470 20040916

Probable Assignee: MURGULY KATHY

Assignee(s): (std): MURGULY KATHY

Inventor(s): (std): MURGULY KATHY

Agent(s): ROPES AND GRAY LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: DISPOSABLE PANTS

Abstract: Disposable pants (1) usable as both pants and a diaper and enabling the smooth opening/closing operations even when used as the diaper. The disposable pants (1) comprise both functions of the pants and the diaper, and are formed so that a left front abdominal part (2a) and a right front abdominal part (2b) can be laterally expanded by breaking left and right side breaking parts (17a) and (17b). Adhesive pieces (22a) and (22b) attached to and detached from the adhesive part (23) of a center front abdominal part (2c) are fitted to the left front abdominal part (2a) and the right front abdominal part (2b). The center front abdominal part (2c) is formed within the lateral area of a front crotch part (4a) in a crotch part (4). A more narrowed adhesive part (23) is formed within the lateral area of the center front abdominal part (2c).

Classifications:

International (IPC 8-9): A61F13/49 A61F13/496 A61F13/56 A61F13/58

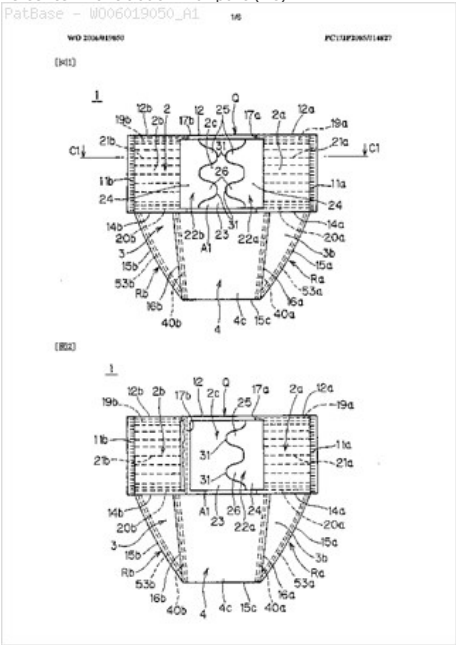
A61F5/44 (Advanced/Invention);

A61F13/15 A61F13/56 A61F5/44 (Core/Invention)

International (IPC 1-7): A61F13/15 A61F5/44

CPC: A61F13/496

European: A61F13/496



Family:

Publication number	Publication date	Application number	Application date
JP2006055343 A2	20060302	JP20040239780	20040819
WO06019050 A1	20060223	WO2005JP14827	20050812

Priority:

JP20040239780 20040819

Probable Assignee: LIVEDO CORP

Assignee(s): (std): FUJIOKA MASARU ; LIVEDO CORP

Assignee(s): LIVEDO CORP FUJIOKA MASARU

Inventor(s): (std): FUJIOKA MASARU

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT KE KG KM KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: DISPOSABLE PANTS

Abstract: Source: US2008154223A The present invention provides disposable pants capable of preventing adhesive pieces from undesirably adhering to those places other than a specified position when the adhesive pieces are not used. The disposable pants (1) have functions of both pants and a diaper, and a left front abdominal part (2 a) and a right front abdominal part (2 b) can be expanded to the left and right by breaking left and right breaking parts (17 a, 17 b). The left front abdominal part (2 a) and right front abdominal part (2 b) are provided with adhesive pieces (22 a, 22 b) to be attached/detached to/from an adhesive part (23) of a central front abdominal part (2 c). In the adhesive pieces (22 a, 22 b), projections (25, 26) provided with adhesive parts to be attached to the adhesive part (23) are folded at pleats (29) to the skin-facing side to be temporarily fixed. When the adhesive pieces (22 a, 22 b) are used, temporarily fixing parts are peeled to expand the adhesive pieces (22 a, 22 b).

Classifications:

International (IPC 8-9): A61F13/15 A61F13/49 A61F13/496

A61F13/56 (Advanced/Invention);

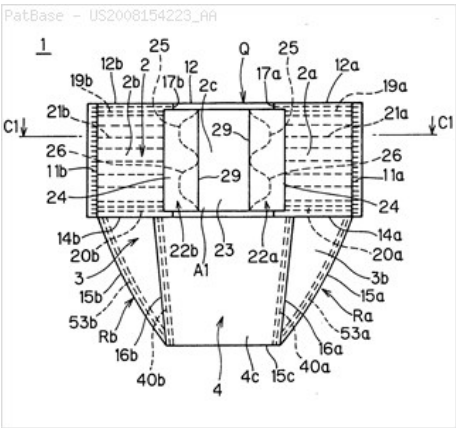
A61F13/15 A61F13/56 (Core/Invention)

International (IPC 1-7): A61F13/15

CPC: A61F13/5633 A61F13/496

European: A61F13/496 A61F13/56C

US: 604/365 604/365P 604/385.01 604/385.01S 604/385.24 604/385.24S 604/385.27 604/385.270S



Family:

Publication number	Publication date	Application number	Application date
AT459319 E	20100315	AT20050780219T	20050812
CN1988866 A	20070627	CN200580024987	20050812
CN1988866 B	20110126	CN200580024987	20050812
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EP1779827 A1	20070502	EP20050780219	20050812
EP1779827 A4	20080507	EP20050780219	20050812
EP1779827 B1	20100303	EP20050780219	20050812
ES2338901 T3	20100513	ES20050780219T	20050812
JP2006055199 A2	20060302	JP20040237235	20040817
JP4025321 B2	20071219	JP20040237235	20040817
PT1779827 T	20100318	PT20050780219T	20050812
US2008154223 AA	20080626	US20050660147	20050812
WO06019051 A1	20060223	WO2005JP14828	20050812

Priority:

JP20040237235 20040817 WO2005JP14828 20050812

Probable Assignee: LIVEDO CORP

Assignee(s): (std): FUJIOKA MASARU ; LIVEDO CORP

Assignee(s): LIVEDO CORP FUJIOKA MASARU

Inventor(s): (std): FUJIOKA M ; FUJIOKA M TOKUSHIMA SADAMITSU ; MASARU FUJIOKA ; FUJIOKA MASARU

Inventor(s): FUJIOKA M TOKUSHIMA SADAMITSU PLANT LIVEDO CORP ; M FUJIOKA

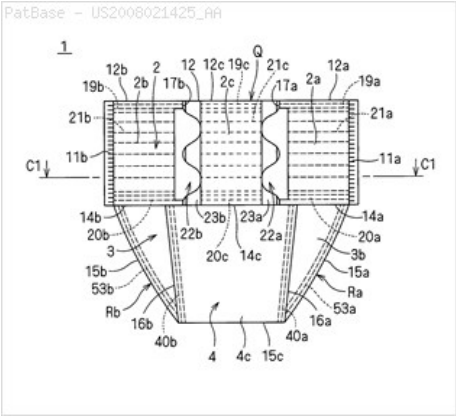
Agent(s): MUELLER BORE AND PARTNER PATENTANWAELTE; WENDEROTH LIND AND PONACK LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT KE KG KM KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: DISPOSABLE PANTS

Abstract: Source: US2008021425A The present invention provides disposable pants allowing a crotch section and a front abdominal section to be bonded securely while ensuring stretchability of the front abdominal section in a pants structure in which the crotch section and front abdominal section formed as separate members are bonded. The disposable pants (1) have functions of both pants and a diaper, and a left front abdominal part (2 a) and a right front abdominal part (2 b) can be developed to the left and right by breaking left and right breaking parts (17 a, 17 b). The left front abdominal part (2 a) and right front abdominal part (2 b) are provided with adhesive pieces (22 a, 22 b) to be attached/detached to/from adhesive parts (23 a, 23 b) of a central front abdominal part (2 c). A crotch section (4) on which an absorber (43) is provided is connected to the central front abdominal part (2 c) using sheet members (45 a, 45 b) so as not to interfere with stretchability of the central front abdominal part (2 c) resulting from an elastic member (19 c).

Classifications:
International (IPC 8-9): A41B9/00 A61F13/15 A61F13/20 A61F13/49 A61F13/496 A61F13/56 A61F5/44 (Advanced/Invention); A41B9/00 A61F13/15 A61F13/56 A61F5/44 (Core/Invention)
CPC: A61F13/565 A41B9/001 A41B2400/52 A61F13/496
European: A41B9/00B A61F13/496 A61F13/56C K41B400/52
US: 604/358 604/358S 604/365 604/365P 604/385.01 604/385.010S 604/386



Family:

Publication number	Publication date	Application number	Application date
AT501697 E	20110415	AT20050814566T	20051206
CN101065089 A	20071031	CN200580040562	20051206
CN101065089 B	20100505	CN200580040562	20051206
CN101843369 A	20100929	CN201010107397	20051206
CN101843369 B	20130424	CN201010107397	20051206
DE602005026981 D1	20110428	DE200560026981T	20051206
EP1820481 A1	20070822	EP20050814566	20051206
EP1820481 A4	20090909	EP20050814566	20051206
EP1820481 B1	20110316	EP20050814566	20051206
ES2363350 T3	20110801	ES20050814566T	20051206
JP2006158607 A2	20060622	JP20040353635	20041207
US2008021425 AA	20080124	US20050792393	20051206
US8034039 BB	20111011	US20050792393	20051206
WO06062090 A1	20060615	WO2005JP22362	20051206

Priority:
JP20040353635 20041207 WO2005JP22362 20051206

Probable Assignee: LIVEDO CORP

Assignee(s): (std): FUJIOKA MASARU ; LIVEDO CORP ; NAKAOKA KENJI

Inventor(s): (std): KENJI NAKAOKA ; MASARU FUJIOKA ; MASARU NAKAOKA KENJI FUJIOKA ; NAKAOKA KENJI ; FUJIOKA MASARU

Inventor(s): FUJIOKA MASARU TOKUSHIMA SADAMITSU PLANT IN LC ; NAKAOKA KENJI FUJIOKA MASARU ; NAKAOKA KENJI LIVEDO CORPORATION

Agent(s): MUELLER BORE AND PARTNER PATENTANWALTE; WENDEROTH LIND AND PONACK LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT KE KG KM KN KP KR KZ LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: DISPOSABLE ABSORBENT ARTICLE HAVING SIDE PANELS WITH STRUCTURALLY, FUNCTIONALLY AND VISUALLY DIFFERENT REGIONS

Abstract: Source: US2007142806A A disposable absorbent article worn about the lower torso of a wearer includes at least one pair of side panels connecting a first waist region to a second waist region forming a waist opening and a pair of leg openings. Each side panel includes a waist region, a hip region and a leg region wherein the waist region, the hip region and the leg region differs structurally, functionally and visually to provide an improved initial fit and sustained fit while exhibiting a garment-like appearance.

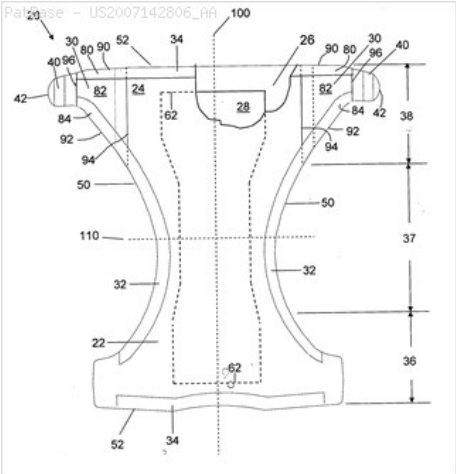
Classifications:

International (IPC 8-9): A61F13/15 A61F13/49 A61F13/493 A61F13/494 A61F13/84 A61L15/24 (Advanced/Invention); A61F13/15 (Core/Invention)

CPC: A61F13/49015 A61F13/49014

European: A61F13/49D2D

US: 379/380 379/381 379/382 379/383 604/372 604/378 604/379 604/380 604/381 604/382 604/383 604/385 604/385.01 604/385.010P 604/385.03 604/385.29 604/385.290P 604/385.3 604/385.300S



Family:

Publication number	Publication date	Application number	Application date
CA2633282 AA	20080612	CA20062633282	20061215
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CA2724128 AA	20070621	CA20062724128	20061215
CA2724128 C	20130219	CA20062724128	20061215
CA2724131 AA	20070621	CA20062724131	20061215
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EP1959898 A2	20080827	EP20060842565	20061215
JP2009518160 T2	20090507	JP20080545243T	20061215
JP5107255 B2	20121226	JP20080545243T	20061215
US2007142806 AA	20070621	US20050303686	20051216
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US2008319410 AA	20081225	US20080199964	20080828
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US2012245546 AA	20120927	US20120487714	20120604
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US8558053 BB	20131015	US20120487671	20120604
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Priority:

US20050303686 20051216	WO2006IB54900 20061215	CA20062633282 20061215
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Probable Assignee: PROCTER AND GAMBLE

Assignee(s): (std): COMSTOCK KRISTA B ; COMSTOCK KRISTA BETH ; FEIST BARRY R ; FEIST BARRY ROBERT ; ROE DONALD C ; GOODLANDER LISA J ; ROE DONALD CARROLL ; GOODLANDER LISA JANE ; PROCTER AND GAMBLE

Assignee(s): THE PROCTER AND GAMBLE COMPANY ; PROCTER AND GAMBLE CO

Inventor(s): (std): BETH COMSTOCK KRISTA ; CARROLL ROE DONALD ; COMSTOCK KRISTA B ; GOODLANDER LISA J ; JANE GOODLANDER LISA ; ROBERT FEIST BARRY ; ROE DONALD C ; ROE DONALD CARROLL ; GOODLANDER LISA JANE ; FEIST BARRY ROBERT ; COMSTOCK KRISTA BETH ; FEIST BARRY R

Inventor(s): GOODLANDER LISA ; ROE DONALD ; FEIST BARRY ; COMSTOCK KRISTA

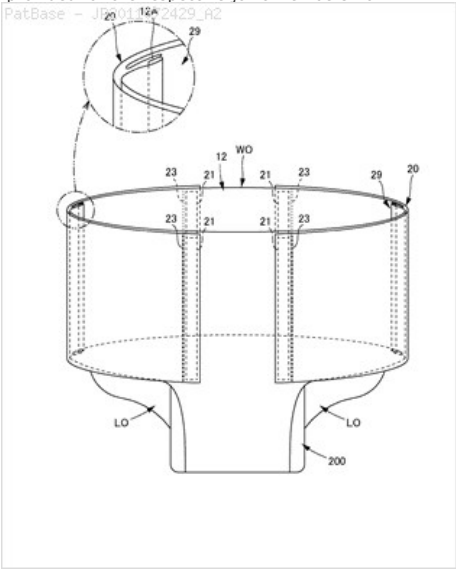
Agent(s): DIMOCK STRATTON LLP; KREMER VERONIQUE MARIE JOSEPHINE; NAGAI HIROSHI; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION WEST BLDG; THE PROCTER AND GAMBLE COMPANY, GLOBAL LEGAL DEPARTMENT - IP; PROCTER AND GAMBLE CO GLOBAL LEGAL DEPARTMENT IP; KREBS JAY; FAYETTE THIBAUT; FITZPATRICK MATTHEW P; JAY; THIBAUT; MATTHEW P; THIBAUT FAYETTE; LAURA L

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT HW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: UNDERPANTS TYPE DISPOSABLE DIAPER

Abstract: Source: JP2011072429A PROBLEM TO BE SOLVED: To provide an underpants type disposable diaper capable of easily extending a waist size as it remains to be a underpants type without selecting one of larger waist size in advance. SOLUTION: In a fixed part 21, crotch parts 29 fixed to both side parts as a part of range in the direction around the waist of a part T around the waist which is positioned between a waist opening part WO and an upper end of a leg opening part LO respectively and both end parts are fixed on one side and the other side in the direction around the waist of the crotch parts respectively. Joint members 20 which are unfixed to the crotch parts 29 are provided for the respective crotch parts 29. Perforations 23 running from an upper end to a lower end are provided for the respective joint members 20.

Classifications:
International (IPC 8-9): A61F13/496 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
JP2011072429 A2	20110414	JP20090225485	20090929
JP5390325 B2	20140115	JP20090225485	20090929

Priority:

JP20090225485 20090929

Probable Assignee: DAIO SEISHI KK

Assignee(s): (std): DAIO PAPER CORP ; DAIO SEISHI KK

Inventor(s): (std): MIZOBUCHI TAKAHIRO

Title: ADJUSTABLE PANT-LIKE DISPOSABLE UNDERGARMENT WITH FULLY SEVERED FRONT PANEL

Abstract: Source: US2013231625A A pre-fastened adjustable pant-like disposable absorbent undergarment including a fully severed front panel is disclosed. The front panel includes a first side section, a second side section, and a middle section, wherein the front body panel is completely severed between the first side section and the middle section, and wherein the front body panel is completely severed between the second side section and the middle section. In addition, a pair of attachment members are secured to the side sections and releasably attached to the middle section. The pre-fastened adjustable pant-like disposable absorbent undergarment also includes a back body panel, and an absorbent assembly secured to said front and back body panels, and said front and back body panels being joined together by a pair of side seams to form a waist opening and a pair of leg openings.

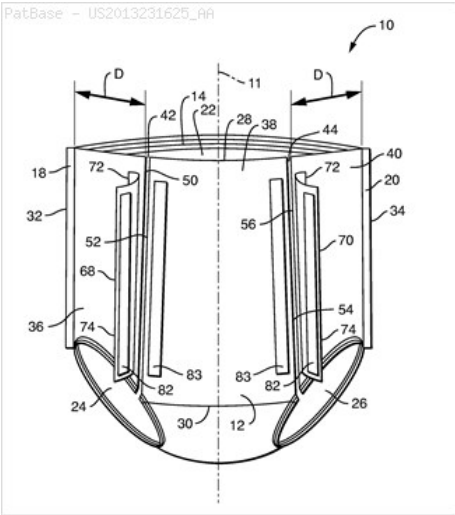
Classifications:

International (IPC 8-9): A61F13/15 A61F13/49 A61F13/496 A61F13/505

A61F13/56 (Advanced/Invention)

CPC: A61F13/496 A61F13/5655

US: 604/385.11



Family:

Publication number	Publication date	Application number	Application date
AU2013229165 AA	20130912	AU20130229165	20130211
CN104159551 A	20141119	CN201380012564	20130211
CO7061058 A2	20140919	CO20140196607	20140905
EP2822522 A1	20150114	EP20130757279	20130211
KR20140135966 A	20141127	KR20147024956	20130211
MX2014010427 A1	20140922	MX20140010427	20130211
US2013231625 AA	20130905	US20120412482	20120305
WO13132368 A1	20130912	WO2013IB51116	20130211

Priority:

US20120412482 20120305 WO2013IB51116 20130211

Probable Assignee: KIMBERLY CLARK WORLDWIDE INC

Assignee(s): (std): DOWNS KIMBERLY M ; ELLEFSON KIMBERLY L ; KIMBERLY CLARK CO ; KIMBERLY CLARK CO LTD ; SCHMOKER SUZANNE M

Assignee(s): KIMBERLY CLARK WORLDWIDE INC

Inventor(s): (std): DOWNS KIMBERLY M ; ELLEFSON KIMBERLY L ; SCHMOKER SUZANNE M

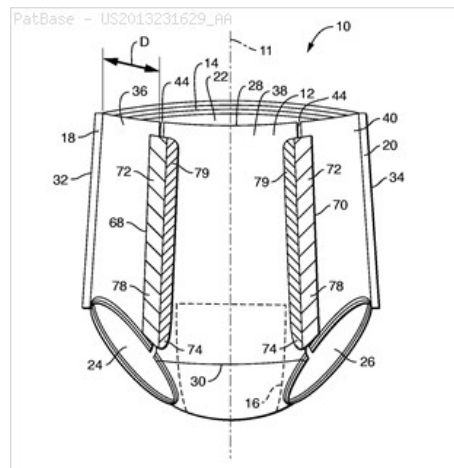
Inventor(s): SUZANNE M SCHMOKER ; KIMBERLY L ELLEFSON ; KIMBERLY M DOWNS

Agent(s): SPRUSON AND FERGUSON; J IAN RAISBECK; DAVIES CHRISTOPHER ROBERT; FOSTER ROBERT J ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Abstract: Source: US2013231629A An attachment member for use with absorbent articles is disclosed. The attachment member for a disposable absorbent article has a first side section securely attached to the disposable absorbent article, the first side having a first graphic. The attachment member has a second side releasably attached to the disposable article, the second side having a second graphic. In one embodiment, the first graphic has a first Pattern Complexity Value and the second graphic having a second Pattern Complexity Value. In another embodiment, the first graphic has a first color and the second graphic has a second color, and the first color and the second color are different. The change in appearance of the graphic on the attachment member allows for a user to more easily detect the presence of the releasable edge and allows for adjustment of the fit of the absorbent article.

US: 604/386



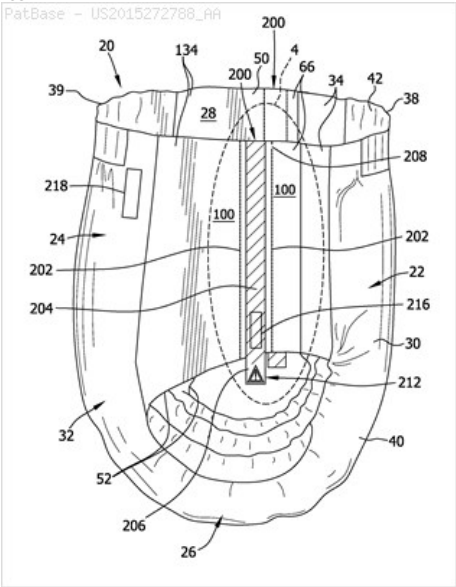
Publication number	Publication date	Application number	Application date
US2013231629 AA	20130905	US20120412284	20120305
WO13132362 A1	20130912	WO20131B51034	20130207

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: ABSORBENT ARTICLE HAVING A TEAR AWAY SECTION

Abstract: Source: US2015272788A A disposable absorbent article includes a bodyside liner, an outer cover, an absorbent body disposed between the liner and the outer cover, a front waist region, a back waist region, a crotch region extending between and interconnecting the front and back waist regions, and a tear away section configured to be torn from the absorbent article when at least a threshold force is applied to the tear away section. The front and back waist regions are attached to each other by side panels at least partially defining leg openings and a waist opening of the absorbent article. The tear away section extends from the waist opening to a respective leg opening and is defined by at least one line of weakness. The tear away section has a tear strength greater than the threshold force.

Classifications:
International (IPC 8-9): A61F13/49 A61F13/496 (Advanced/Invention)
CPC: A61F13/496 A61F2013/49098 A61F13/84



Family:

Publication number	Publication date	Application number	Application date
US2015272788 AA	20151001	US20140231428	20140331
WO15150936 A1	20151008	WO20151B51658	20150306

Priority:

US20140231428 20140331

Probable Assignee: KIMBERLY CLARK CO

Assignee(s): (std): KIMBERLY CLARK CO

Assignee(s): KIMBERLY CLARK WORLDWIDE INC

Inventor(s): (std): LONG ANDREW ; PAVELETZKE JULIE

Agent(s): BRENNAN PATRICK E ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Estefania P

Search history

Search 1: TAC=(diaper and absorb and front and (second or side or join) and (separate or different or distance or apart) and overlap) and PD=19500101:20120201 (Results 27)

Title: Improvements in or relating to **diapers**

Abstract: Source: GB1009820A 1,009,820. Napkins. MOLNLYCKE A.B. Sept. 8, 1964, No. 36726/64. Heading A3V. A **diaper** consists of two outer layers between which is a layer of absorbent material which forms a cushion at one end of the **diaper** separated from the thinner part by a fluid barrier. The outer layers 1, 2 may comprise non-woven fibrous material and material of high wet strength such as creped paper respectively. The absorbent layer including the cushion may comprise defibrated cellulose material. The cushion 12 may comprise absorbent material of the thinner portion 13 and a filling of other absorbent material. The fluid barrier may be formed by compressing the transverse region 11 or by inserting therein a hydrophobic material such as paraffin emulsion or a substance increasing viscosity such as soluble cellulose ether or an algenate. The layers are **joined** along transverse end lines by means of a water resistant adhesive. An extension 8 provides a fastening area. Lateral edges are **overlapped, joined** by adhesive and compressed. The absorption layer may be bonded to layer 2 which may consist of hydrophobic paper.

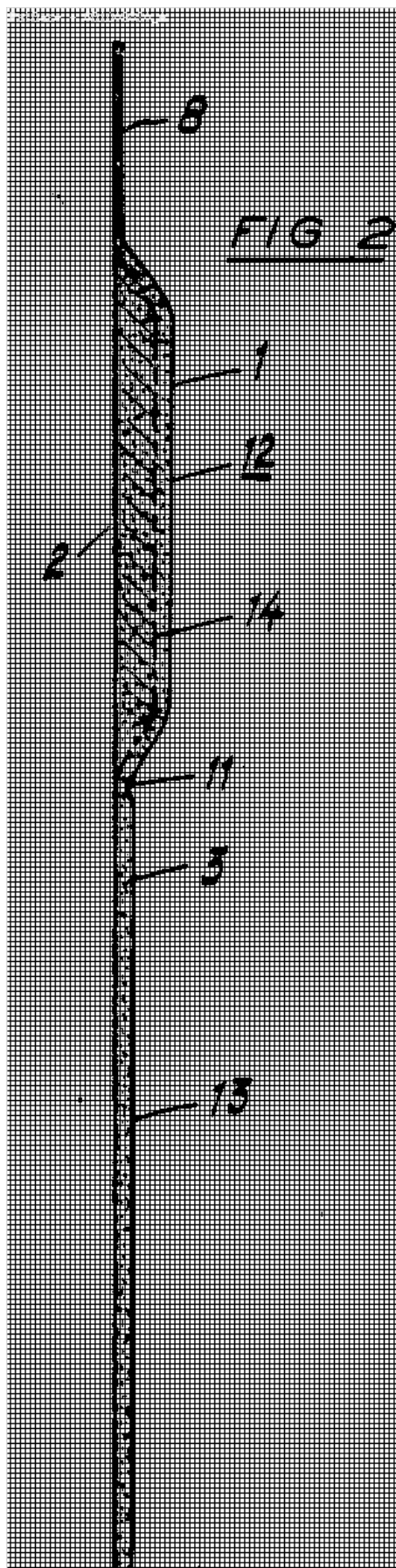
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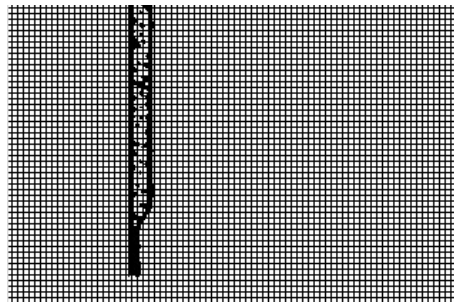
International (IPC 8-9): A61F13/15 (Advanced/Invention)

International (IPC 1-7): A41B13/02

CPC: A61F13/5323

European: A61F13/532B





Family:

Publication number	Publication date	Application number	Application date
GB1009820 A	19651110	GB19640036726	19640908

Priority:

GB19640036726 19640908

Probable Assignee: MOELNLYCKE AB

Assignee(s): (std): MOELNLYCKE AB

Assignee(s): MOLNLYCKE AKTIEBOLAG

Inventor(s): (std): ABERG SVEN ULRIK TORBJORN

Title: Absorbent article having a containment pocket

Abstract: Source: US4738677A An integral disposable absorbent article such as a **diaper** provided with an absorbent core; a liquid impervious backsheet; a first barrier cuff disposed adjacent each longitudinal edge of the absorbent article and each having a first proximal edge and a first distal edge; a spacing means for spacing the first distal edge of each of the first barrier cuffs away from the liquid-receiving surface of the absorbent article; and a **second** barrier cuff disposed adjacent at least one and preferably adjacent each of the end edges of the absorbent article and having a **second** proximal edge and a **second** distal edge, the distal edges of the barrier cuffs **overlapping** at corner points to form a containment pocket. The spacing means preferably comprises a spacing elastic member that **extends** longitudinally along the first distal edge beyond the **second** distal edges. Closing means secure together the first distal edges and the **second** distal edges adjacent the corner points so as to space both the first and **second** distal edges away from the liquid-receiving surface of the absorbent article. The containment pocket has channels that are formed between the proximal edges and the distal edges because the distal edges of the barrier cuffs are spaced away from the liquid-receiving surface so as to restrain, contain, and hold body exudates.

Classifications:

International (IPC 8-9): A41B9/12 A61F13/15 A61F13/49 A61F13/494

A61F5/44 (Advanced/Invention);

A41B9/00 A61F13/15 A61F5/44 (Core/Invention)

International (IPC 1-7): A41B13/02 A41B9/12 A41BA A61F13/15 A61F13/16

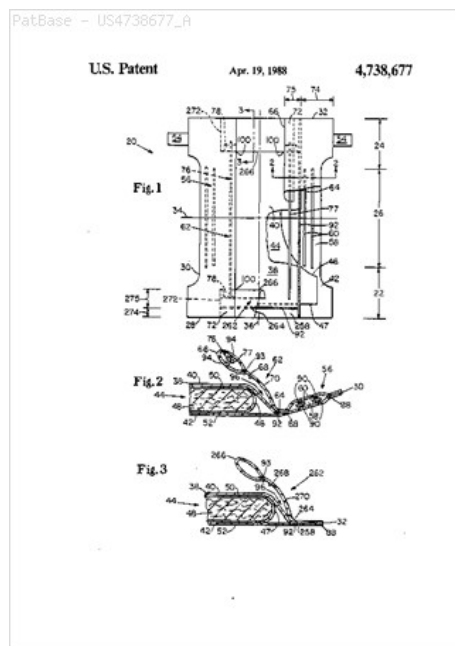
A61F13/18 A61F13/20 A61F13/46 A61F13/56 A61F13/72 A61F5/44 B31D

CPC: A61F13/4942 A61F5/4401 A61F13/49009 A61F13/49466 A61F13/49017

European: A61F13/494A1A A61F13/494B A61F13/49D2 A61F13/49D2E A61F5/44B

K61F13/15F2 K61F13/49D2

US: 604/378 604/385.2 604/385.27 604/385R



Family:

Publication number	Publication date	Application number	Application date
AT67656 E	19911015	AT19870308971T	19871009
AU198779503 A1	19880414	AU19870079503	19871009
AU613879 B2	19910815	AU19870079503	19871009
BRPI8705462 A	19880524	BR1987PI05462	19871013
CA1334319 A1	19950214	CA19870548808	19871007
DE3773323 D1	19911031	DE19873773323	19871009
DK169960 B1	19950418	DK19870005304	19871009
DK530487 A	19880411	DK19870005304	19871009
DK530487 A0	19871009	DK19870005304	19871009
EG18192 A	19920830	EG19870000581	19871008
EP0264238 A1	19880420	EP19870308971	19871009
EP0264238 B1	19910925	EP19870308971	19871009
EP0264238 B2	19991208	EP19870308971	19871009
ES2024519 T5	20000401	ES19870308971T	19871009
FI874458 A	19880411	FI19870004458	19871009
FI874458 A0	19871009	FI19870004458	19871009
FI89672 B	19930730	FI19870004458	19871009
FI89672 C	19931110	FI19870004458	19871009
GR3002791 T3	19930125	GR19910400716T	19910926
GR3032645 T3	20000630	GR20000400343T	20000211
HK47094 A	19940520	HK19940000470	19940512
IE60690 B	19940810	IE19870002711	19871009
IE872711 L	19880410	IE19870002711	19871009
JP2517622 B2	19960724	JP19870253923	19871009
JP63182402 A2	19880727	JP19870253923	19871009
KR960009237 B1	19960716	KR19870011231	19871010
MA21078 A1	19880701	MA19870021319	19871007
MX170748 B	19930913	MX19870008790	19871009
NZ222114 A	19950726	NZ19870222114	19871009
NZ238532 A	19950726	NZ19870238532	19871009
NZ247474 A	19950726	NZ19870247474	19871009
PH30457 A	19970528	PH19930046304	19930604
PH30457 A	19970528	PH19930000463	19930604
PT85889 A	19871101	PT19870085889	19871008
PT85889 B	19900731	PT19870085889	19871008
TR23295 A	19890914	TR19870000700	19871009
US4738677 A	19880419	US19860917452	19861010
US4816025 A	19890328	US19870114929	19871030
US4938755 A	19900703	US19880271796	19881115

Priority:

US19860917452 19861010 CA19870548808 19871007 NZ19870222114 19871009
EP19870308971 19871009 EP19870308971 19871009 US19870114929 19871030
US19880271796 19881115

Probable Assignee: PROCTER AND GAMBLE

Assignee(s): (std): PROCTER AND GAMBLE

Assignee(s): PROCTER AND GAMBLE CO ; PROCTER AND GAMBLE CO THE ; PROCTER AND GAMBLE COMPANY THE ; THE PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE CO CINCINNATI OHIO US ; THE PROCTER AND GAMBLE COMPANY ; FOREMAN JOHN HENRY

Inventor(s): (std): FOREMAN JHON H ; FOREMAN JOHN H ; FOREMAN JOHN HENRY ; HENRY FOREMAN JOHN ; JIYON HENRII FUOOMAN ; JOHN H FOREMAN

Inventor(s): JOHN HENRY FOREMAN ; JON HENRII FUOOMAN

Agent(s): PHILLIPS ORMONDE FITZPATRICK; SIM AND MCBURNEY

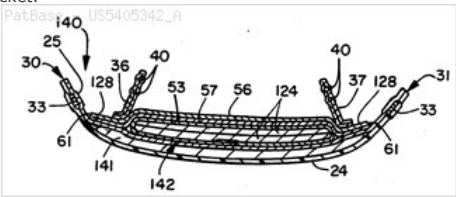
Designated states: AT BE CH DE ES FR GB GR IT LI LU NL SE

Title: Disposable absorbent article with flushable insert

Abstract: Source: US5405342A A disposable article, such as a **diaper**, for **absorbing** and containing urine and other body exudates has an absorbent insert pad that may be flushed in a toilet. The article preferably includes a backing sheet and a bodyside liner that are substantially coterminous. In one embodiment of the invention, a secondary absorbent body, which is disposed between the backing sheet and the bodyside liner, has a pocket formed therein. The absorbent insert pad is positioned against the bodyside liner and located generally within the pocket. A cover is releasably attached to the bodyside liner to maintain the insert pad within the pocket.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/49 A61F13/53 A61F13/539 A61F13/56 A61F5/44 (Advanced/Invention); A61F13/56 A61F5/44 (Advanced/Non-invention)
International (IPC 1-7): A61F13/15 A61F13/46 A61F5/44 A61L15/16
CPC: A61F13/49009 A61F13/15211 A61F13/49017 A61F13/491 A61F13/49413 A61F13/505 A61F13/533 A61F13/58 A61F2013/15219 A61F2013/15235 A61F2013/15365 A61F2013/15406 A61F2013/15422 A61F2013/15869 A61F2013/1591 A61F2013/4581 A61F2013/49025 A61F2013/49031 A61F2013/49038 A61F2013/4944 A61F2013/4948 A61F2013/4955 A61F2013/5055 A61F2013/51035 A61F2013/51066 A61F2013/51165 A61F2013/51409 A61F2013/51433 A61F2013/5149 A61F2013/530007 A61F2013/530021 A61F2013/53035 A61F2013/530481 A61F2013/530489 A61F2013/53051 A61F2013/5307 A61F2013/530795 A61F2013/5677 A61F2013/588
European: A61F13/15J2 A61F13/49D2 A61F13/505 K61F13/15A5M K61F13/15J2B K61F13/15J2E K61F13/15J8D K61F13/15J8E K61F13/15J8H K61F13/15M1E1 K61F13/15M1E5 K61F13/45C4B K61F13/491 K61F13/494A1 K61F13/494A1D K61F13/494D K61F13/495C K61F13/49D2E K61F13/49D2H2 K61F13/49D2H3 K61F13/49D2J K61F13/505A K61F13/511E1 K61F13/514A4 K61F13/514A4D K61F13/514C4B K61F13/51M6E K61F13/51N2 K61F13/533 K61F13/53L K61F13/53L2 K61F13/53M7A K61F13/53Q K61F13/53Q1 K61F13/53Q10 K61F13/53Q2 K61F13/53Q6 K61F13/56F4 K61F13/58 K61F13/58F
US: 604/364 604/385.14 604/385.19 604/385.28 604/394 604/397



Family:

Publication number	Publication date	Application number	Application date
AU199230461 A1	19930708	AU19920030461	19921230
AU661078 B2	19950713	AU19920030461	19921230
CA2072689 AA	19930701	CA19922072689	19920629
DE69225786 D1	19980709	DE19926025786	19921221
DE69225786 T2	19981210	DE19926025786T	19921221
DE9219166 U1	19981112	DE19920019166U	19921221
EP0549988 A1	19930707	EP19920121680	19921221
EP0549988 B1	19980603	EP19920121680	19921221
ES2116307 T3	19980716	ES19920121680T	19921221
JP6178795 A2	19940628	JP19930000058	19930104
KR100240041 B1	20000115	KR19920026436	19921230
MX9207125 A1	19930601	MX19920007125	19921209
TH16979 A	19951129	TH19921001668	19921118
US5405342 A	19950411	US19940268862	19940629
US5458591 A	19951017	US19950388085	19950214
US5476457 A	19951219	US19950388083	19950214
US5613959 A	19970325	US19950388084	19950214
ZA9209045 A	19930519	ZA19920009045	19921123

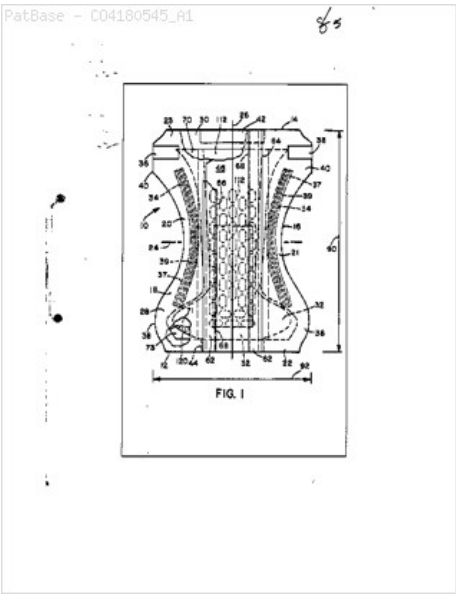
Priority:
US19910116822 19910903 US19910816457 19911231 US19940188626 19940127
US19930116822 19930903 EP19920121680 19921221 CA19922072689 19920629
US19950388084 19950214 US19950388085 19950214 US19940268862 19940629
US19950388083 19950214

Probable Assignee: KIMBERLY CLARK WORLDWIDE INC
Assignee(s): (std): KIMBERLY CLARK CO
Assignee(s): KIMBERLY CLARK CORP ; KIMBERLY CLARK WORLDWIDE INC ; KIMBERLY CLARK WORLDWIDE INC NEENAH WIS US ; KIMBERLY CLARK WORLDWIDE INC NEENAH WIS 54957 0349 US ; WERNER EDWARD ERICH ; CESCO CANCIAN ANNAMARIA ; ENDRES DAN DAROLD
Inventor(s): (std): CESCO CANCIAN ANNAMARIA ; CESCO CANCIAN ANNAMARIA ; ENDRES DAN DAROLD ; HANSON PAULA MARY ; LEICK KENNETH ALOIS ; LEICK MARIANNE KEEVILL ; ROESSLER THOMAS HAROLD ; WERNER EDWARD ERICH ; WERNER EDWARD E ; TOOMASU HARORUDO RAASURAA ; THOMAS HAROLD ROESSLER ; ROESSLER THOMAS H ; POORA MARI HANSON ; PAULA MARY HANSON ; MARIANNE KEEVILL LEICK ; MARIAN KIIBUIRU RAITSUKE ; LEICK KENNETH A ; KENNETH ALOIS LEICK ; KENISU AROISU RAITSUKE ; LEICK MARIANNE K ; HANSON PAULA M ; ENDRES DAN D ; EDWARD ERICH WERNER ; EDOWAADO ERITSUKU WAANAA ; DAN DARORUDO ENDRES ; DAN DAROLD ENDRES ; ANNAMARIA CHIESUKO KIYANSHIAN ; ANNAMARIA CESCO CANCIAN ; ANNAMARIA CESCO CANCIAN
Inventor(s): CESCO CANCIAN ANNAMARIA APPLETON WISCONSIN 54915 US ; CESCO CANCIAN ANNAMARIA APPLETON WISCONSIN 54915 U ; ENDRES DAN DAROLD APPLETON WISCONSIN 54915 US ; LEICK KENNETH ALOIS APPLETON WISCONSIN 54911 US ; HANSON PAULA MARY APPLETON WISCONSIN 54911 US ; LEICK MARIANNE KEEVILL APPLETON WISCONSIN 54911 US ; ROESSLER THOMAS HAROLD MENASHA WISCONSIN 54952 US ; WERNER EDWARD ERICH OSHKOSH WISCONSIN 54901 US
Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD
Designated states: BE DE ES FR GB IT NL SE

Title: ARTICULO ABSORBENTE QUE INCLUYE MATERIAL SUPERABSORBENTE LO- CALIZADO EN BOLSAS INDIVIDUALES ALARGADAS COLOCADAS DE ACUERDO CON PATRONES SELECCIONADOS It IS INCLUDING absorbent article LO CALIZADO superabsorbent material into individual elongated bags PLACED UNDER SELECTED PATTERNS (Machine translation)

Abstract: Source: CO4180545A UN ARTICULO ABSORBENTE QUE COMPRENDE UNA PRIMERA CAPA PORTADORA PERMEABLE AL LIQUIDO Y POR LO MENOS UNA SEGUNDA CAPA PORTADORA. UN MECANISMO SUJETA- DOR Y PORTADOR QUE ASEGURA JUNTAS LAS CAPAS PORTA- DORAS Y UNA MULTIPLICIDAD DE ZONAS VIRTUALMENTE NO SUJETADAS. LAS ZONAS VIRTUALMENTE NO SUJETADAS PROPORCIONAN UNA PLURALIDAD DE REBIONES DE BOLSA, Y EL MATERIAL DE ALTA ABSORBENCIA ESTA LOCALIZADO DENTRO DE LAS REGIONES DE BOLSA PARA PROPORCIONAR UN LAMINADO ABSORBENTE QUE TIENE UNA EXTENSION DE LAMINADO Y UN ANCHO DE LAMINADO. A absorbent article comprising a first liquid permeable carrier layer and at least a **second** layer CARRIER. A MECHANISM AND carrier fastener secures the layers together DORAS GLOVE AND MULTIPLE ZONES VIRTUALLY NO ATTACHED. VIRTUALLY NO ATTACHED ZONES PROVIDE MULTIPLE REBIONES BAG, AND high absorbency material is located within REGIONS TO PROVIDE BOLSA **ABSORBING** LAMINATE HAVING AN EXTENSION OF ROLLING AND ROLLED WIDE.

Classifications:
International (IPC 8-9): A61F13/15 (Advanced/Invention);
A61F13/15 (Core/Invention)
International (IPC 1-7): A61F13/15



Family:

Publication number	Publication date	Application number	Application date
CO4180545 A1	19950607	CO19940049146	19941027

Priority:

CO19940049146 19941027

Probable Assignee: KIMBERLY CLARK CO

Assignee(s): (std): KIMBERLY CLARK CO

Assignee(s): KIMBERLY CLARK CORP

Inventor(s): (std): ABUTO FRANK PAUL ; LOUIS ROBINSON MARK ; NORTMAN BRIAN KEITH ; POMPLUN WILLIAM SEAL ; RIPPL CARL GERARD ; KELLENBERGER STANLEY ROY ; LAUX DANIEL RICHARD ; SALLEE LORRY FRANCIS ; SCHROEDER WEN ZYO ; TANZER RICHARD WARREN ; YARBROUGH SANDRA MARIE ; ZENKER DAVID LOUIS

Inventor(s): WARREN TANZER RICHARD ; WEN ZYO SCHROEDER ; WILLIAM SEAL POMPLUN ; SANDRA MARIE YARBROUGH ; LORRY FRANCIS SALLEE ; ROBINSON MARK LOUIS ; ROY KELLENBERGER STANLEY ; BRIAN KEITH NORTMAN ; DANIEL RICHARD LAUX ; DAVID LOUIS ZENKER ; FRANK PAUL ABUTO ; GERARD RIPPL CARL

Agent(s): RAMIRO CASTRO DUQUE

Title: ARTICULO ABSORBENTE DESECHABLE CON SISTEMA DE SUJECION PARA EVITAR SU CAIDA Disposable Absorbent Article RESTRAINT SYSTEM TO PREVENT HIS FALL (Machine translation)

Abstract: Source: CO4180547A 1. UN ARTICULO ABSORBENTE DESECHABLE, DICHO AR- TICULO DEFINE UNA PARTE FRONTAL, UNA PARTE POSTE- RIOR Y UNA PARTE DE ENTREPIERNA QUE CONECTA LAS PARTES FRONTAL Y POSTERIOR Y TIENE LOS BORDES LA- TERALES LONGITUDINALES, DICHO ARTICULO COMPRENDE: UNA CUBIERTA EXTERIOR; UN FORRO DE LADO AL CUERPO PERMEABLE AL LIQUIDO; UN MATERIAL ABSORBENTE LOCA- LIZADO ENTRE DICHA CUBIERTA EXTERIOR Y DICHO FORRO DE LADO AL CUERPO; UN PAR DE OREJAS PUESTAS LOCA- LIZADAS SOBRE LA PARTE FRONTAL. DICHAS OREJAS ES- TANDO ADAPTADAS EN EL USO, PARA TRASLAPAR CON DI- CHA PARTE POSTERIOR DE DICHO ARTICULO; MEDIOS DE SUJECION PARA SUJETAR DICHAS PORCIONES TRASLAPADAS DE DICHAS OREJAS A DICHA PORCION TRASERA PARA FOR- MAR LOS PUNTOS DE SUJECION, DICHOS PUNTOS DE SUJE- CION ESTANDO LOCALIZADOS SOBRE UN LADO DE DICHO ARTICULO ATRAS DE UN PLANO CENTRAL TRANSVERSAL DE DICHO ARTICULO, UN MIEMBRO ELASTICO DE CINTURA SU- JETO A POR LO MENOS UNA DE LAS PARTES FRONTAL O POSTERIOR; Y LOS MIEMBROS ELASTICOS DE PIERNA SU- JETOS A DICHA PARTE DE ENTREPIERNA ADYACENTE A LOS BORDES LATERALES LONGITUDINALES OPUESTOS. 1. A disposable absorbent article, AR- TICLE DEFINE SUCH A **FRONT**, A rear portion and a crotch portion connecting the **front** and rear, AND HAS THE LONGITUDINAL **side** edges, said article comprising: a COVER EXTERIOR; LINING A **SIDE** TO BODY liquid permeable; LOCA- LIZADO absorbent material between said outer cover and said **SIDE** LINING OF THE BODY; A pair of ears LOCA- ized PUT ON THE **FRONT**. ADAPTED ES TANDO said ears on usage, to **overlap** with said rear portion of said article; Means for holding said portions **overlapping** SUCH EARS TO THIS rear portion to form attachment points, SUCH attachment points being located on one **side** of said article behind a transverse center PLANO that article, A MEMBER SU waist elastic JETO AT LEAST ONE OF THE **FRONT** PARTS OR LATER; AND SU jects leg elastics MEMBERS TO THIS crotch portion adjacent the opposite longitudinal **SIDE** PANELS.

Classifications:
International (IPC 8-9): A61F13/15 (Advanced/Invention);
A61F13/15 (Core/Invention)
International (IPC 1-7): A61F13/15

Family:

Publication number	Publication date	Application number	Application date
CO4180547 A1	19950607	CO19940049969	19941101

Priority:
CO19940049969 19941101

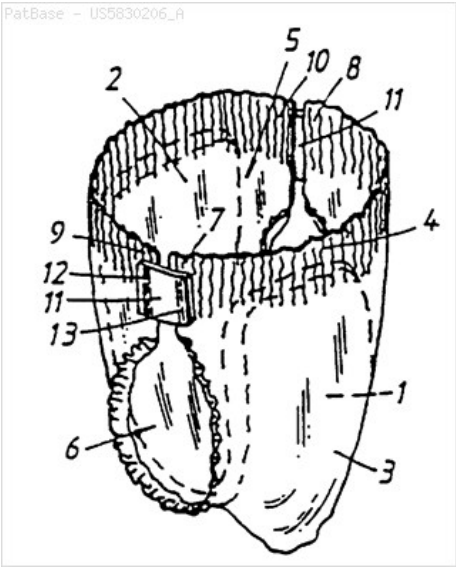
Probable Assignee: KIMBERLY CLARK CO
Assignee(s): (std): KIMBERLY CLARK CO
Assignee(s): KIMBERLY CLARK CORP
Inventor(s): (std): PAULETTE MARY ROSCH ; SUPRISE JODY DOROTHY
Inventor(s): JODY DOROTHY SUPRISE ; MARY ROSCH PAULETTE
Agent(s): RAMIRO CASTRO DUQUE

Title: PANTS-TYPE **DIAPER** OR SANITARY PANTY

Abstract: Source: US5830206A PCT No. PCT/SE95/00392 Sec. 371 Date Oct. 4, 1996 Sec. 102(e) Date Oct. 4, 1996 PCT Filed Apr. 11, 1995 PCT Pub. No. WO95/27463 PCT Pub. Date Oct. 19, 1995The present invention relates to an absorbent article in the form of a pants-type **diaper** or sanitary panty, which includes an elongated absorbent body (1) enclosed between two casing sheets (2, 3) which include **side** parts (7-10) which at opposing **front** and rear end parts of the absorbent body extend laterally beyond the body on both **sides** thereof. According to the invention, opposing **front** and rear **side** parts (7, 9 and 8, 10 respectively) are **joined** together by a fastener element (11) which is attached to one of the mutually opposing **side** parts by a first, strong **join** (12) and releasably and refastenably **joined** to the other **side** part by means of a **second join** (13) which is weaker than the first **join**.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/49 A61F13/496 A61F13/56 A61F13/62 A61F5/44 (Advanced/Invention);
A61F13/56 A61F5/44 (Advanced/Non-invention);
A61F13/15 A61F13/56 A61F5/44 (Core/Invention);
A61F13/15 (Core/Non-invention)
International (IPC 1-7): A41B13/04 A44B21/00 A61F A61F13/15 A61F13/15 A61F13/49 A61F13/56 A61F5/44
CPC: A61F13/622
European: A61F13/62
US: 604/311 604/389 604/390 604/391



Family:

Publication number	Publication date	Application number	Application date
AT187324 E	19991215	AT19950916887T	19950411
AU199523775 A1	19951030	AU19950023775	19950411
AU686804 B2	19980212	AU19950023775	19950411
CA2187362 AA	19961007	CA19952187362	19950411
CA2187362 C	20070619	CA19952187362	19950411
CN1146144 A	19970326	CN19951092543	19950411
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DE69513813 T2	20000706	DE19956013813T	19950411
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ZA9502492 A	19951215	ZA19950002492	19950327

Priority:

SE19940001228 19940412 WO1995SE00392 19950411

Probable Assignee: SCA HYGIENE PRODUCTS AKTIEBOLAG

Assignee(s): (std) MOELNLYCKE AB ; LARSSON BJOERN ; SCA HYGIENE PROD AB ; SCA MOELNLYCKE AB

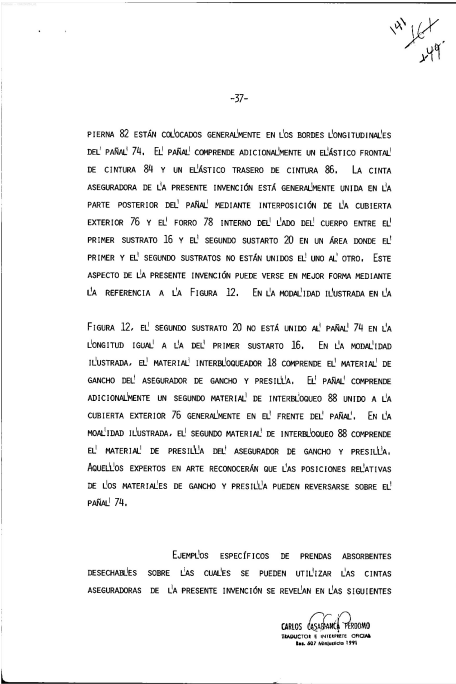
Assignee(s): MOLNLYCKE S AB ; LARSSON BJORN ; M LNLYCKE AB ; MOLNLYCKE AB ; SCA HYGIENE PRODUCTS AKTIEBOLAG ; SCA HYGIENE PRODUCTS AKTIENBOLAG ; MOLNLYCKE AKTIEBOLAG ; SCA HYGIENE PRODUCTS AB GOETEBORG ;

MOELNLYCKE ABSE ; SCA HYGIENE PRODUCTS AB ; SCA MOLNLYCKE AB
Inventor(s): (std): BJORN LARSSON ; LARSSON BJOERN ; LARSSON BJORN
Inventor(s): BJOERN LARSSON
Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; FETHERSTONHAUGH AND CO; ERNESTO CAVELIER; REINHOLD COHN AND PARTNERS
Designated states: AT AU BE CA CH CN CZ DE DK ES FI FR GB GR HU IE IT JP LI LU MC MX NL NO NZ PL PT SE SK US

Title: PROCESO CONTINUO PARA LA FABRICACION DE UNA CINTA ASEGURADORA Y LA CINTA ASI PRODUCIDA CONTINUOUS PROCESS FOR PRODUCING A CARRIER TAPE AND TAPE thus produced (Machine translation)

Abstract: Source: CO4230254A 1.- UN PROCESO CONTINUO PARA LA FABRICACION DE UNA CINTA ASEGURADORA PARA UTILIZACION SOBRE UNA PRENDA ABSORBENTE DESECHABLE, DICHO PROCESO QUE COMPRENDE LOS SIGUIENTES PASOS: PROPORCIONAR UNA LONGITUD CONTINUA DE UN MATERIAL DE INTERBLOQUEO QUE TIENE UN ANCHO Y QUE VIAJA EN UNA PRIMERA DIRECCION; UNIR EL DICHO MATERIAL DE INTERBLOQUEO A UN PRIMER SUSTRATO QUE VIAJA EN LA DICHA PRIMERA DIRECCION PARA FORMAR UN COMPUESTO; Y CORTAR DICHO COMPUESTO A LO LARGO DE UNA SEGUNDA DIRECCION PARA FORMAR CINTAS ASEGURADORAS ADECUADAS PARA LA UNION A UN PRENDA ABSORBENTE, DICHA SEGUNDA DIRECCION SIENDO SUSTANCIALMENTE PERPENDICULAR A LA DICHA PRIMERA DIRECCION. 26.- UNA CINTA ASEGURADA PARA PARA UTILIZACION SOBRE UNA PRENDA ABSORBENTE DESECHABLE, DICHA CINTA ASEGURADORA TENIENDO UN ANCHO, UNA LONGITUD, UN PRIMER BORDE TRANSVERSAL Y UN SEGUNDO BORDE TRANSVERSAL, DICHA CINTA ASEGURADORA QUE COMPRENDE: UN PRIMER SUSTRATO QUE TIENE UN ANCHO; UN MATERIAL DE INTERBLOQUEO UNIDO AL DICHO PRIMER SUSTRATO Y QUE SE EXTIENDE SOBRE TODO EL ANCHO DE LA DICHA CINTA ASEGURADORA. 1. A continuous process for manufacturing a CARRIER TAPE FOR USE ON A disposable absorbent garment, said process comprising the steps: providing a continuous length of material having a width INTERLOCK and travels in a first direction; **JOIN THE SAID MATERIAL INTERLOCK** to a first substrate traveling in the said first direction to form a compound; And said compound CUT ALONG a **second** direction to form tapes INSURANCE suitable for binding to an absorbent garment BEING said **second** direction substantially perpendicular to the said first direction. 26. A TAPE FOR INSURED FOR USE ON A disposable absorbent GARMENT, SUCH INSURER HAVING A WIDE BAND, a length, a first transverse edge and a **second** transverse edge, said tape INSURANCE comprising: a first substrate having a width; MATERIAL OF THE KINGDOM INTERLOCK said first substrate and extending over the entire width of said belt THE INSURER.

Classifications:
International (IPC 8-9): B23B33/00 (Advanced/Invention);
B23B33/00 (Core/Invention)
International (IPC 1-7): B23B33/00



Family:

Publication number	Publication date	Application number	Application date
CO4230254 A1	19951019	CO19930403899	19930824

Priority:

CO19930403899 19930824

Probable Assignee: KIMBERLY CLARK CO

Assignee(s): (std): KIMBERLY CLARK CO

Assignee(s): KIMBERLY CLARK WORLDWIDE INC

Inventor(s): (std): DILNIK REBECCA LYN ; LYNN ZEHNER GEORGIA ; MLEZIVA MARK MICHAEL ; PENNINGS SCOTT LEE ; SERBIK PAUL JOHN ; SIEBERS BRUCE MICHAEL ; TODD LEAK ALLEN ; VOGT ROBERT EUGENE

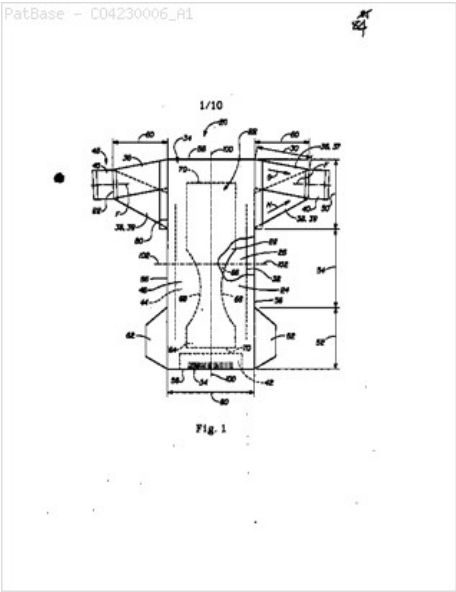
Inventor(s): REBECCA LYN DILNIK ; ROBERT EUGENE VOGT ; SCOTT LEE PENNINGS ; PAUL JOHN SERBIK ; MARK MICHAEL MLEZIVA ; GEORGIA LYNN ZEHNER ; ALLEN TODD LEAK ; BRUCE MICHAEL SIEBERS

Agent(s): RAMIRO CASTRO DUQUE

Title: ELEMENTO ABSORBENTE CON PANELES LATERALES EXTENSIBLES MULTIDIRECCIONALES Absorber multi STRETCH WITH SIDE PANELS (Machine translation)

Abstract: Source: CO4230006A PROVEER UN ELEMENTO ABSORBENTE CON PANELES LATERALES EXTENSIBLES MULTIDIRECCIONALES QUE TENGA AJUSTE DINAMICO MEJORADO ALREDEDOR DE LA CINTURA Y PIERNAS DEL USUARIO REDUCIENDO EL DESLIZAMIENTO Y SEPARACION DEL ELEMENTO ABSORBENTE DEL USUARIO. An absorbent element PROVIDE WITH STRETCH PANELS multi lateral RALEs HAVE IMPROVED DYNAMIC SET AROUND WAIST AND LEGS USER REDUCING THE SEPARATION OF SLIP AND USER absorbent member.

Classifications:
International (IPC 8-9): A61F13/15 (Advanced/Invention);
A61F13/15 (Core/Invention)
International (IPC 1-7): A61F13/15



Family:

Publication number	Publication date	Application number	Application date
CO4230006 A1	19951019	CO19940055653	19941207

Priority:
CO19940055653 19941207

Probable Assignee: PROCTER AND GAMBLE

Assignee(s): (std): PROCTER AND GAMBLE

Assignee(s): PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY

Inventor(s): (std): BERGMAN CARL LOUIS ; DAKIN CONSTANCE LEE ; KIMBERLY ANN DREIER ; ROBLES MIGUEL ALVARO ; ROE DONALD CARROLL

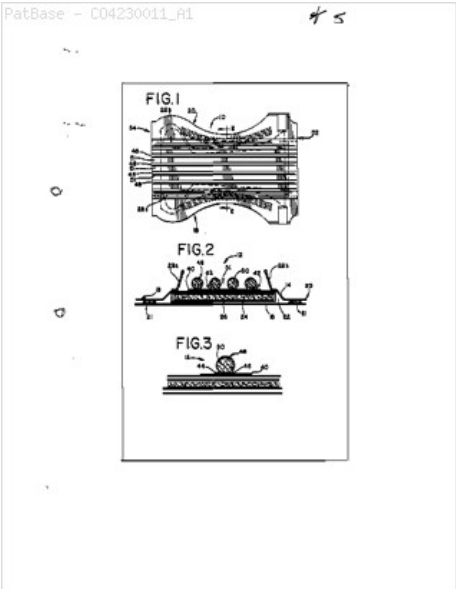
Inventor(s): MIGUEL ALVARO ROBLES ; DONALD CARROLL ROE ; DREIER KIMBERLY ANN ; CARL LOUIS BERGMAN ; CONSTANCE LEE DAKIN

Agent(s): JIMENA ESCOBAR URIBE

Title: MATERIAL ABSORBENTE DE LIQUIDOS PARA ARTICULOS ABSORBENTES PARA EL CUIDADO PERSONAL Y EL ARTICULO ABSORBENTE QUE LO COMPRENDE **ABSORBING** LIQUID ABSORBENT ARTICLES FOR PERSONAL CARE AND UNDERSTAND IT absorbent article (Machine translation)

Abstract: Source: CO4230011A 1. UN MATERIAL DE FORRO ABSORBENTE DE LIQUIDOS QUE COMPRENDE: UNA CAPA FRONTAL Y UNA CAPA DE SOPORTE, DICHA CAPA FRONTAL ESTANDO UNIDA A LA CAPA DE SOPORTE POR UNA PLURALIDAD DE UNIONES ESPACIADAS Y SEPARADAS, DICHA CAPA FRONTAL Y LA CAPA DE SOPORTE DENTRO DE DICHOS PARES DE UNIONES FORMAN PICOS, DICHOS PICOS ESTANDO SEPARADOS UNOS DE OTROS POR CANALES, Y UN MATERIAL ABSORBENTE DE LIQUIDO COLOCADO DENTRO DE DICHOS PICOS PARA RECIBIR LOS LIQUIDOS. 2. UN ARTICULO ABSORBENTE PARA EL CUIDADO PERSONAL QUE COMPRENDE: UN MATERIAL DE FORRO Y UNA HOJA DE RESPALDO CON UN NUCLEO ABSORBENTE COLOCADO ENTRE LOS MISMOS, DICHO MATERIAL DE FORRO COMPRENDE UNA CAPA FRONTAL Y UNA CAPA DE SOPORTE, DICHA CAPA FRONTAL Y UNA CAPA DE SOPORTE, DICHA CAPA FRONTAL ESTANDO UNIDA A DICHA CAPA DE SOPORTE POR UNA PLURALIDAD DE UNIONES ESPACIADAS Y SEPARADAS, DICHA CAPA FRONTAL Y LA CAPA DE SOPORTE DENTRO DE DICHOS PARES DE UNIONES FORMAN PICOS, DICHOS PICOS ESTANDO SEPARADOS UNOS DE OTROS POR UNOS CANALES, Y UN MATERIAL ABSORBENTE DE LIQUIDO COLOCADO DENTRO DE DICHOS PICOS PARA RECIBIR LOS EXUDADOS DEL CUERPO. FIGURA 1 1. A lining material liquid absorbent comprising: a **FRONT** AND CAPA support layer, said **front** layer being attached to the support layer by a plurality of spaced UNIONS AND **SEPARATED** said **front** layer and the support layer COUPLE IN SUCH FORM UNIONS PEAKS, said peaks being **separated** from each other by CHANNELS, AND A LIQUID **ABSORBING** positioned within said peaks for receiving LIQUIDS. 2. An absorbent article PERSONAL CARE comprising: a lining material and a backing sheet with an absorbent core positioned therebetween SUCH lining material comprising a **front** layer and a backing layer, said **front** layer and a layer SUPPORT, said **front** layer being attached to said support layer plurality PLU- ONE OF UNIONS spaced **SEPARATED** said **front** layer and the support layer COUPLE IN SUCH FORM UNIONS PEAKS, standard DO THESE PEAKS **SEPARATED** FROM EACH OTHER by channels, AND LIQUID **ABSORBING** PEAKS IN SUCH positioned to receive body exudates. Figure 1

Classifications:
International (IPC 8-9): A61F13/15 (Advanced/Invention);
A61F13/15 (Core/Invention)
International (IPC 1-7): A61F13/15



Family:

Publication number	Publication date	Application number	Application date
CO4230011 A1	19951019	CO19940057042	19941216

Priority:

CO19940057042 19941216

Probable Assignee: KIMBERLY CLARK CO

Assignee(s): (std): KIMBERLY CLARK CO

Assignee(s): KIMBERLY CLARK CORP

Inventor(s): (std): COLE DOUGLAS BRYAN ; COLLIER LESLIE WARREN ; DAVIS JAMES ARTHUR ; GRYSKIEWICZ STANLEY MICHAEL ; KOLLIN NANCY DONALDSON ; MORMAN MICHAEL TOD ; MAYBERRY PAMELA JEAN ; MEITNER GARY HOWARD ; WEBER MARY EVA

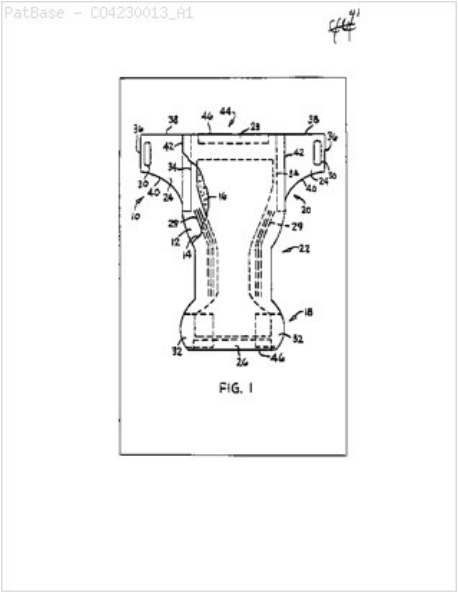
Inventor(s): BRYAN COLE DOUGLAS ; MICHAEL TOD MORMAN ; NANCY DONALDSON KOLLIN ; PAMELA JEAN MAYBERRY ; STANLEY MICHAEL GRYSKIEWICZ ; WARREN COLLIER LESLIE ; MARY EVA WEBER ; JAMES ARTHUR DAVIS ; GARY HOWARD MEITNER

Agent(s): RAMIRO CASTRO DUQUE

Title: ARTICULO ABSORBENTE DESECHABLE CON OREJAS ELASTOMERICAS Y LAS OREJAS QUE LO COMPRENDEN EARS disposable absorbent article with elastomeric and ears who understand (Machine translation)

Abstract: Source: CO4230013A 1. UN ARTICULO ABSORBENTE DESECHABLE, DICHO ARTICULO DEFINE UNA PARTE FRONTAL, UNA PARTE POSTERIOR, UNA PARTE DE ENTREPIERNA QUE CONECTA LAS PARTES FRONTAL Y POSTERIOR; DICHO ARTICULO COMPRENDE UNA CUBIERTA EXTERIOR; UN FORRO DEL LADO DEL CUERPO PERMEABLE AL LIQUIDO; UN MATERIAL ABSORBENTE LOCALIZADO ENTRE DICHA CUBIERTA Y DICHO FORRO DEL LADO AL CUERPO; UN PAR DE OREJAS ELASTOMERICAS SUJETAS A DICHA PARTE POSTERIOR, DICHAS OREJAS TIENEN UN BORDE CERCANO, UN BORDE LEJANO UN PRIMER BORDE DE CONEXION, Y UN SEGUNDO BORDE DE CONEXION, DICHOS BORDES DE CONEXION PRIMERO Y SEGUNDO CONECTAN DICHOS BORDES CERCANO Y DISTANTE, DICHO SEGUNDO BORDE DE CONEXION ESTANDO NO PARALELO A DICHO PRIMER BORDE DE CONEXION Y DICHO BORDE CERCANO SIENDO MAS LARGO QUE EL BORDE DISTANTE; UN SUJETADOR UNIDO A DICHAS OREJAS ELASTOMERICAS PARA SUJETAR DICHAS OREJAS ELASTOMERICAS A DICHA PARTE FRONTAL EN UNA RELACION TRANSAPANTE; EN DONDE CUANDO ESTA EN USO, EL SEGUNDO BORDE DE CONEXION DEFINE POR LO MENOS UNA PARTE DE ABERTURA DE PIERNA. 15. UNA OREJA ELASTOMERICA ADAPTADA PARA USARSE SOBRE UN ARTICULO ABSORBENTE DESECHABLE, DICHA OREJA COMPRENDE: UN CUERPO DE MATERIAL ELASTOMERICO, DICHO MATERIAL DEFINE UN BORDE CERCANO, UN BORDE ALEJADO, UN PRIMER BORDE DE CONEXION, Y UN SEGUNDO BORDE DE CONEXION, DICHOS BORDES DE CONEXION PRIMERO Y SEGUNDO CONECTAN DICHOS BORDES CERCANO Y LEJANO, DICHO SEGUNDO BORDE DE CONEXION NO ESTA PARALELO A DICHO PRIMER BORDE DE CONEXION, Y DICHO BORDE CERCANO ES MAS LARGO QUE DICHO BORDE DISTANTE; Y UN SUJETADOR UNIDO A DICHAS OREJAS ELASTOMERICAS PARA SUJETAR DESPRENDIBLEMENTE DICHA OREJA ELASTOMERICA EN UN SUSTRATO. 1. A disposable absorbent article, ARTICLE DEFINE SUCH A FRONT, A rear portion, a crotch portion connecting the front and rear; Said article comprising an exterior; SIDE LINING A liquid permeable body MATERIAL absorber located between said cover and said liner BODY SIDE; A pair of ears elastic TOMERICAS SUBJECT TO THIS BACK, EARS HAVE SUCH AN EDGE NEAR, FAR AN EDGE CONNECTION a first edge and a second connecting edge, SUCH connecting edges connecting said first and second EDGES CLOSE AND DISTANT, said second connecting edge IT BEING NO parallel to said first connecting edge and said BEING NEAR EDGE longer than the distal edge; A BRA bonded to said elastomeric EARS EARS TO HOLD SUCH fornal elastomeric TO THIS PART IN A RELATIONSHIP TRANSAPANTE; WHERE WHEN IN USE, THE SECOND connecting edge defines at least a portion of leg opening. 15. An elastomeric EAR ADAPTED FOR USE ON A disposable absorbent article, said ear comprising: an elastomeric material body RICO THAT DEFINE AN EDGE CLOSE materia, A distal edge, a first connecting edge, and a second connecting edge, said edges Feed the connection connecting said first and second CER CANO EDGES AND FAR, said second edge CONNECTION NOT parallel to said first connecting edge, and that edge closest is longer than said distal edge; And a fastener bonded to said elastomeric EAR EAR TO HOLD SUCH ELASTOMERIC releasably on a substrate.

Classifications:
International (IPC 8-9): A61F13/15 (Advanced/Invention);
A61F13/15 (Core/Invention)
International (IPC 1-7): A61F13/15



Family:

Publication number	Publication date	Application number	Application date
CO4230013 A1	19951019	CO19940058595	19941227

Priority:
CO19940058595 19941227

Probable Assignee: KIMBERLY CLARK CO
Assignee(s): (std): KIMBERLY CLARK CO
Assignee(s): KIMBERLY CLARK WORLDWIDE INC
Inventor(s): (std): KUEPPER REBECCA J ; RASMUSSEN CRISTINE A
Inventor(s): REBECCA J KUEPPER ; CRISTINE A RASMUSSEN
Agent(s): RAMIRO CASTRO DUQUE

Title: WEB MATERIALS HAVING ELASTIC-LIKE AND EXPANSIVE ZONES

Abstract: Source: US5993432A A web material exhibiting both an elastic-like and an expansive behavior in response to an applied elongation. The web material includes an elastic-like zone and an expansive zone disposed adjacent to the elastic-like zone. The expansive zone allows the elastic-like zone to extend without generating excessive tensional forces. The elastic-like zone includes a strainable network having a first region and a **second** region. The **second** region has a surface-pathlength greater than the surface-pathlength of the first region. The expansive zone has a surface-pathlength greater than the first region and **different** than that of the **second** region.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/494 A61F13/496 A61F5/44 A61L15/00 B29C55/18 D04H1/54 D04H3/14 (Advanced/Invention); A61F13/15 A61F5/44 D04H1/54 D04H3/14 (Advanced/Non-invention); A61F13/00 A61F13/15 A61F5/44 A61L15/00 B29C55/18 D04H1/54 D04H3/14 (Core/Invention)

International (IPC 1-7): A61F13/00 A61F13/15 A61F13/493 A61F13/494 A61F13/84 A61F3/15 A61F5/44 A61L15/00 D04H1/54 D04H3/14

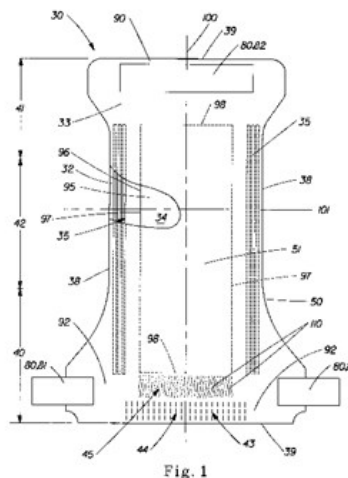
CPC: A61F13/49009 A61F13/4902 B29C55/18 D04H1/5405

European: A61F13/49D2 A61F13/49D2H B29C55/18 D04H1/54B

US: 604/385.1 604/385.2 604/385.23 604/385.3

PatBase - US5993432_A

U.S. Patent Nov. 30, 1999 Sheet 1 of 9 5,993,432

**Family:**

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TH29097 B	20101109	TH19961004157	19961202
TR9800998 T2	19980821	TR19980000998T	19961120
US5993432 A	19991130	US19970931019	19970915
WO9720531 A1	19970612	WO1996US18649	19961120
ZA9610066 A	19970617	ZA19960010066	19961129

Priority:

US19950566471 19951204 WO1996US18649 19961120 US19970931019 19970915

Probable Assignee: PROCTER AND GAMBLE**Assignee(s):** (std): PROCTER AND GAMBLE CO THE ; THE PROCTER AND GAMBLE COMPANY ; PROCTER AND GAMBLE**Assignee(s):** PROCTER AND GAMBLE CO ; PROCTER AND GAMBLE CO CINCINNATI ; CURRO JOHN JOSEPH ; LODGE RICHARD WORTHINGTON ; THE PROCTER AND GAMBLE COMPANY CINCINNATI ; THE PROCTER AND GAMBLE COMPANY ; THE PROCTER AND GAMBLE CO ; PROCTER AND GAMBLE COMPANY THE ; THE PROCTER AND GAMBLE CO CINCINNATI OHIO ; PROCTER AND GAMBLE CO**Inventor(s):** (std): CURRO ; CURRO J J ; CURRO JOHN JOSEPH ; CURRO JOSEPH ; J J CURRO ; JOHN J CURRO ; JOHN JOSEPH CURRO ;

LODGE ; LODGE R W ; LODGE RICHARD WORTHINGTON ; LODGE WORTHINGTON ; RICHARD W LODGE ; RICHARD WORTHINGTON LODGE ; RW LODGE ; LODGE RICHARD W ; CURRO JOHN J

Inventor(s): J J CURRO ; R W LODGE ; Richard W. ; John J.

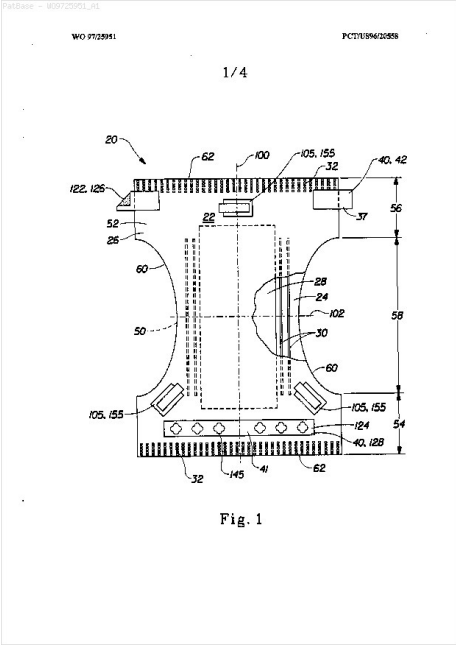
Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; SIM AND MCBURNEY; CARLOS REINALDO OLARTE GARCIA; REINHOLD COHN AND PARTNERS

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CN CU CZ DE DK EE ES FI FR GB GE GR HU IE IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK MN MW MX NL NO NZ PL PT RO RU SD SE SG SI SK SZ TJ TM TR TT UA UG UZ VN

Title: ABSORBENT ARTICLE HAVING AN ADJUSTMENT SYSTEM

Abstract: The present invention provides an absorbent article having an adjustment system optimally placed on the backsheet and/or the topsheet to provide the absorbent article with an adjustable fit. Once the absorbent article is fitted about a wearer, the adjustment system may be adjusted to securely fit the absorbent article about a wearer's waist and legs, thus reducing the opportunities for leakage of bodily fluids.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/49 A61F13/496 A61F13/56 A61F5/44 (Advanced/Invention);
A61F13/15 A61F13/47 A61F13/56 A61F5/44 (Advanced/Non-invention);
A61F13/15 A61F13/56 A61F5/44 (Core/Invention)
International (IPC 1-7): A61F13/15 A61F13/56 A61F5/44
CPC: A61F13/5638 A61F13/5655 A61F13/493
European: A61F13/493 A61F13/56C



Family:

Publication number	Publication date	Application number	Application date
AU199713474 A1	19970811	AU19970013474	19961218
CA2243464 AA	19980717	CA19962243464	19961218
CA2243464 C	20021217	CA19962243464	19961218
DE69621044 D1	20020606	DE19966021044	19961218
DE69621044 T2	20021219	DE19966021044T	19961218
EP0874611 A1	19981104	EP19960945007	19961218
EP0874611 B1	20020502	EP19960945007	19961218
ES2174131 T3	20021101	ES19960945007T	19961218
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Priority:
US19960588487 19960118 WO1996US20558 19961218 WO1996US20558 19961218

Probable Assignee: PROCTER AND GAMBLE

Assignee(s): (std): PROCTER AND GAMBLE

Assignee(s): PROCTER AND GAMBLE CO ; PROCTER AND GAMBLE CO CINCINNATI ; THE PROCTER AND GAMBLE COMPANY ; THE PROCTER AND GAMBLE COMPANY CINCINNATI ; RONN KARL PATRICK

Inventor(s): (std): RONN KARL PATRICK ; RONN PATRICK

Inventor(s): KARL PATRICK RONN

Agent(s): SIM AND MCBURNEY

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CN CU CZ DE DK EE ES FI FR GB GE GR HU IE IL IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MC MD MG MK MN MW MX NL NO NZ PL PT RO RU SD SE SG SI SK SJ SZ TJ TM TR TT UA UG UZ VN

Title: Three-dimensional materials for absorbent articles.

Abstract: The present invention is directed to an absorbent article having a pair of opposed longitudinal edges and including an absorbent assembly having an inner facing **side** and an outer facing **side**, and a backsheet **joined** with the outer facing **side** of the absorbent assembly. The backsheet includes a formed substrate comprising a first boundary zone having a first surface pathlength and a **second** boundary zone having a **second** surface pathlength. The first and the **second** surface pathlengths are preferably measured when the formed substrate is in a relaxed condition. The backsheet also includes an elongated zone located at least partially between the first boundary zone and the **second** boundary zone. The elongated zone comprises incrementally stretched regions which result in the elongated zone being elongated in a first direction of elongation and having a third surface pathlength measured when the formed substrate is in the relaxed condition. The third surface pathlength is greater than either the first pathlength or the **second** pathlength such that the backsheet takes on a macroscopic three-dimensional configuration when the backsheet is in a relaxed condition.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/472 A61F13/49 A61F13/514
A61F5/44 (Advanced/Invention);

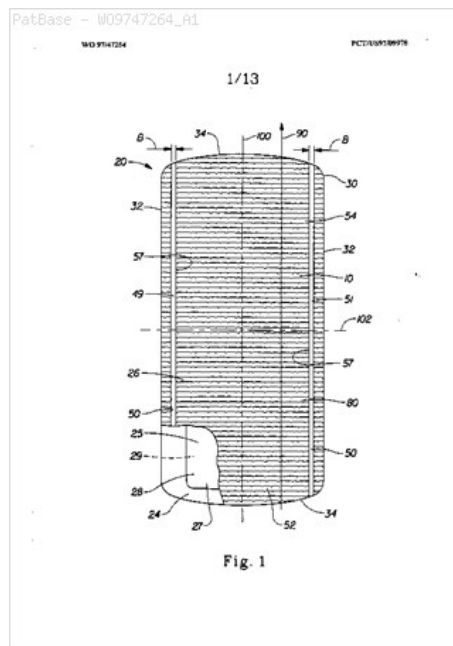
A61F13/15 A61F5/44 (Advanced/Non-invention);

A61F13/15 A61F5/44 (Core/Invention)

International (IPC 1-7): A61F13/00 A61F13/15 A61F13/472 A61F13/49 A61F13/514
A61F13/54 A61F5/44

CPC: A61F13/51476 A61F13/49012 A61F13/49015 A61F13/49017 A61F13/4902
A61F13/51466

European: A61F13/15C3 A61F13/49D2B2 A61F13/49D2D2 A61F13/49D2E
A61F13/49D2H A61F13/514B2A A61F13/514C1



Family:

Publication number	Publication date	Application number	Application date
AR007547 AA	19991110	AR1997P102531	19970611
AT251879 E	20031115	AT19970931083T	19970610
AU199734807 A1	19980107	AU19970034807	19970610
BRPI9709710 A	19990810	BR1997PI09710	19970610
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CN1230102 A	19990929	CN19971097043	19970610
CO4850609 A1	19991026	CO19970032235	19970611
CZ9804058 A3	19990512	CZ19980004058	19970610
DE69725586 D1	20031120	DE19976025586	19970610
DE69725586 T2	20040729	DE19976025586T	19970610
EG21206 A	20010131	EG19970000529	19970610
EP0918500 A1	19990602	EP19970931083	19970610
EP0918500 B1	20031015	EP19970931083	19970610
HU0004248 AB	20010328	HU20000004248	19970610
HU0004248 AC	20010428	HU20000004248	19970610
ID18777 A	19980507	ID19970001992	19970611
IL127443 A0	19991028	IL19970127443	19970610
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JP3236626 B2	20011210	JP19980501752T	19970610
KR100322311 B1	20020620	KR19980710113	19981210
KR20000016525 A	20000325	KR19980710113	19981210
NO985797 A	19990208	NO19980005797	19981210
NO985797 A0	19981210	NO19980005797	19981210
PE84398 A1	19981226	PE19970000482	19970611
TR9802586 T2	19990322	TR19980002586T	19970610
TW407490 Y	20001001	TW19990221492U	19971203
WO9747264 A1	19971218	WO1997US09978	19970610
ZA9705141 A	19980126	ZA19970005141	19970610

Priority:

US19960661682 19960611 WO1997US09978 19970610

Probable Assignee: PROCTER AND GAMBLE

Assignee(s): (std): PROCTER AND GAMBLE ; THE PROCTER AND GAMBLE COMPANY

Assignee(s): THE PROCTER AND GAMBLE CO CINCINNATI OHIO ; LODGE RICHARD WORTHINGTON ; PROCTER AND GAMBLE CO ; PROCTER AND GAMBLE CO THE ; PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY CINCINNATI ; THE PROCTER AND GAMBLE COMPANY

Inventor(s): (std): LODGE RICHARD W ; LODGE RICHARD WORTHINGTON ; LODGE WORTHINGTON ; LOGDE RICHARD WORTHINGTON ; RICHARD WORTHINGTON LODGE

Inventor(s): RICHARD W LODGE ; LODGE RICHARD WORTHINGTON LODGE RICHARD WORTHINGTO ; LODGE RICHARD WORTHINGTON LODGE RICHARD...

Agent(s): SIM AND MCBURNEY; CARLOS REINALDO OLARTE GARCIA; REINHOLD COHN AND PARTNERS

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CH CN CU CZ DE DK EE ES FI FR GB GE GH GR HU IE IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK MN MW MX NL NO NZ PL PT RO RU SD SE SG SI SK SZ TJ TM TR TT UA UG UZ VN YU

Title: **Diaper** having adjustable absorbent assemblies

Abstract: Source: US5716351A The present invention is directed to an absorbent article having adjustable absorbent assemblies. The absorbent article includes a chassis having a urine collection zone disposed in at least a portion of the **front** waist region and a feces collection zone disposed in at least a portion of the rear waist region. The chassis includes a first absorbent assembly, at least a portion of which is located in the urine collection zone. The chassis also includes a **second** absorbent assembly, at least a portion of which is located in the feces collection zone. The chassis further comprises an adjustment member adjustably **joining** said first absorbent assembly and said **second** absorbent assembly such that said first absorbent assembly and said **second** absorbent assembly are moveable relative to each other in at least a direction parallel to said longitudinal centerline.

Classifications:

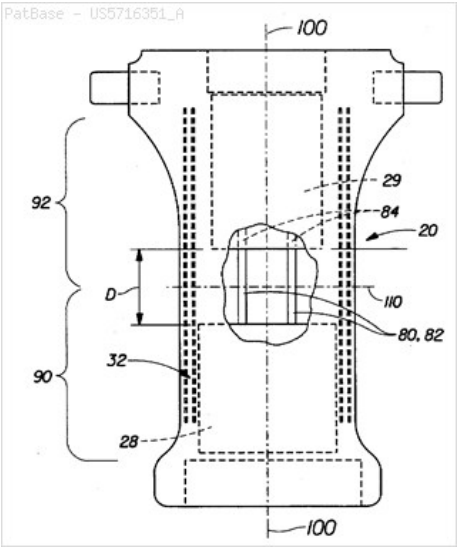
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International (IPC 1-7): A61F13/00 A61F13/15 A61F13/40 A61F13/46 A61F13/49 A61F13/53 A61F13/53A A61F13/56 A61F5/44 A61F5/452 A61L15/16

CPC: A61F13/493 A61F13/535 A61F13/539 A61F2013/1539

European: A61F13/493 A61F13/535 A61F13/539 K61F13/15J8D2

US: 604/366 604/385.1 604/385.21 604/385.23 604/386 604/393



Family:

Publication number	Publication date	Application number	Application date
AR007976 AA	19991124	AR1997P103317	19970723
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JP11513927 T2	19991130	JP19980508935T	19970722
JP2001515753 T2	20010925	JP20000510403T	19980828
JP2002535042 T2	20021022	JP20000594423T	20000112
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KR20010023833 A	20010326	KR20007002508	20000309
PE98398 A1	19981230	PE19970000664	19970725
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US5716351 A	19980210	US19960686290	19960725
US5968028 A	19991019	US19970925965	19970909
US6090090 A	20000718	US19990234360	19990120
WO0042962 A1	20000727	WO2000US00727	20000112
WO9804223 A1	19980205	WO1997US12826	19970722
WO9912503 A1	19990318	WO1998IB01336	19980828
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Priority:

US19960686290 19960725	WO1997US12826 19970722	US19970925965 19970909
WO1998IB01336 19980828	US19990234360 19990120	WO2000US00727 20000112

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): PROCTER AND GAMBLE

Assignee(s): PROCTER AND GAMBLE CO ; ROE DONALD CARROLL ; THE PROCTER AND GAMBLE COMPANY ; THE PROCTER AND GAMBLE COMPANY CINCINNATI ; THE PROCTER AND GAMBLE COMPANYUS ; BERGMAN CARL LOUIS

Inventor(s): (std): BERGMAN CARL L ; BERGMAN CARL LOUIS ; ROE DONALD C ; ROE DONALD CARROLL ; CARROLL ROE DONALD ; LOUIS BERGMAN CARL

Inventor(s): DONALD C ROE ; CARL L BERGMAN ; BERGMAN LOUIS ; BERGMAN CARLLOUIS ; ROE DONALDCARROLL ; ROE CARROLL ; CARL LOUIS BERGMAN ; DONALD CARROLL ROE

Agent(s): SIM AND MCBURNEY; CARLOS REINALDO OLARTE GARCIA; NAGAI HIROSHI

Designated states: AE AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CR CU CY CZ DE DK DM EE ES FI FR GA GB GD GE
GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW
MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Title: DISPOSABLE **DIAPER** WITH INTEGRAL BACKSHEET LANDING ZONE

Abstract: Source: US5735840A A disposable absorbent article having an integral landing zone. The absorbent article includes a liquid pervious topsheet, a liquid impervious backsheet **joined** with the topsheet and an absorbent core located between the topsheet and the backsheet. The backsheet includes a laminate of an inner web and an outer web, wherein at least a portion of the inner web is juxtaposed the garment surface of the absorbent core. The outer web includes an integral landing zone having portions mechanically prestrained to provide raised elements capable of entangling the engaging components of a complementary male fastening component. The inner web and the outer web are continuously laminated with each other except where the raised elements provide the integral landing zone.

Classifications:

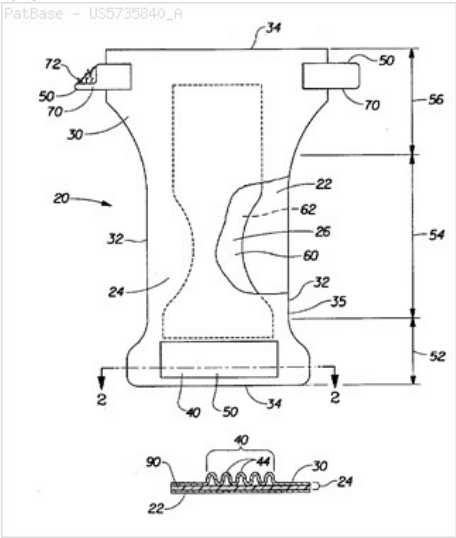
International (IPC 8-9): A61F13/00 A61F13/15 A61F13/472 A61F13/49 A61F13/514 A61F13/551 A61F13/56 A61F13/62 A61F5/44 (Advanced/Invention); A61F13/15 A61F13/56 A61F5/44 (Advanced/Non-invention)

International (IPC 1-7): A61F13/00 A61F13/15 A61F13/49 A61F13/514 A61F13/53 A61F13/551 A61F13/56 A61F13/62 A61F5/44

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European: A61F13/15M5 A61F13/15M6 A61F13/15M7 A61F13/49D2 A61F13/514B2A A61F13/514C2 A61F13/514C2A A61F13/551A6 A61F13/62

US: 24/451 604/385.1 604/385.23 604/386 604/391



Family:

Publication number	Publication date	Application number	Application date
AR010602 AA	20000628	AR1997P105344	19971114
AT212534 E	20020215	AT19970946584T	19971106
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CN1244108 A	20000209	CN19971081261	19971106
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EG21961 A	20020430	EG19970001205	19971113
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TW336893 B	19980721	TW19970117766	19971126
US5735840 A	19980407	US19960748853	19961114
US5928212 A	19990727	US19980055380	19980403
WO9820826 A1	19980522	WO1997US20317	19971106
ZA9710264 A	19980603	ZA19970010264	19971113

Priority:

US19960717473 19960920 US19960748853 19961114 US19980055380 19980403
WO1997US20317 19971106

Probable Assignee: PROCTER AND GAMBLE

Assignee(s): (std): PROCTER AND GAMBLE ; PROCTER AND GAMBLE CO CINCINNA

Assignee(s): THE PROCTER AND GAMBLE CO CINCINNATI OHIO ; PROCTER AND GAMBLE CO CINCINNATI ; PROCTER AND GAMBLE CO ; PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY ; THE PROCTER AND GAMBLE COMPANY CINCINNATI ; THE PROCTER AND GAMBLE COMPANY ; THE PROCTER AND GAMBLE CO ; GOULAIT DAVID JOSEPH ; KLINE MARK JAMES

Inventor(s): (std): KENNETH GOULAIT DAVID JOSEPH ; KLINE JAMES ; KLINE JAMES MARK ; KLINE M J ; KLINE MARK J ; KLINE MARK JAMES ; GOULAIT D J K ; GOULAIT DAVID J K ; GOULAIT DAVID JOSEPH ; GOULAIT DAVID JOSEPH KENNETH ; GOULAIT JOSEPH ; GOULAIT DAVID JOSEPH KENNETH

Inventor(s): JAMES MARK KLINE ; D J K GOULAIT ; DAVID JOSEPH KENNETH GOULAIT ; DJK GOULAIT ; M J KLINE ; MARK JAMES KLINE ; MJ KLINE

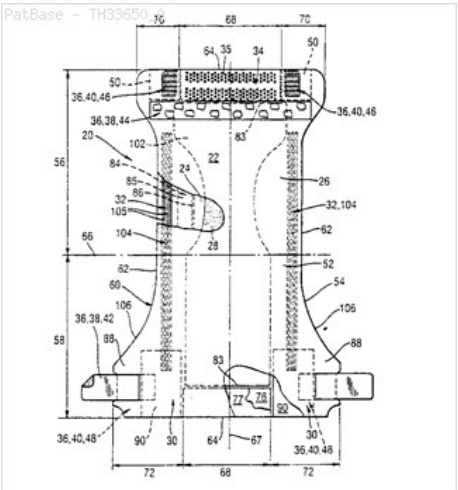
Agent(s): SIM AND MCBURNEY; CARLOS REINALDO OLARTE GARCIA

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CZ DE DK EE ES FI FR GA GB GE GH GR HU ID IE

Title: ARTICULO ABSORBENTE QUE TIENE COMODIDAD MEJORADA DURANTE EL USO MEDIANTE AJUSTE MEJORADO AUN CUANDO ESTA CARGADO Y FUN- CIONAMIENTO MEJORADO DE ADQUISICION DE FLUIDO Absorbent article having improved comfort ADJUSTMENT FOR USE BY improved even when loaded and functioning IMPROVED FLUID ACQUISITION (Machine translation)

Abstract: Source: CO4650175A 1.- Un articulo absorbente que comprende un nucleo absorbente que a su vez comprende una region de entrepierna y una o mas regiones de cintura, en donde dicha region de entrepierna tiene una menor capacidad de almacenamiento de fluido final comparado con dicha una o mas regiones de cintura en conjunto, caracterizado en que dicho articulo tiene un desempeno de adquisicion de por lo menos 0,5 ml/seg para el cuarto chorro. 2.- Un articulo absorbente segun la reivindicacion 1, en donde dicho articulo tiene un desempeno de adquisicion por lo menos 0,6 ml/seg para el cuarto chorro. 3.- Un articulo absorbente segun la reivindicacion 2, en donde dicho articulo tiene un desempeno de adquisicion por lo menos 0,7 ml/seg para el cuarto chorro. 4.- Un articulo absorbente que comprende un nucleo absorbente que a su vez comprende una region de entrepierna y una o mas regiones de cintura, en donde dicha region de entrepierna tiene una menor capacidad de almacenamiento de fluido final comparado con dicha una o mas regiones de cintura en conjunto, caracterizado en que dicho articulo tiene un desempeno de adquisicion de por lo menos 3,75 ml/seg para el primer chorro. 5.- Un articulo absorbente segun la reivindicacion 4, en donde dicho articulo tiene un desempeno de adquisicion de por lo menos 4.0 ml/seg para el primer chorro. 1. An absorbent article comprising an absorbent core which itself comprises a crotch region and one or more waist regions, wherein said crotch region has a lower ultimate storage capacity of fluid compared with said one or more waist regions together, characterized in that said article has an Acquisition performance of at least 0.5 ml / sec for the fourth gush. 2. An absorbent article of claim 1 wherein said article has an Acquisition performance of at least 0.6 ml / sec for the fourth gush. 3. An absorbent article according to claim 2, wherein said article has an Acquisition performance of at least 0.7 ml / sec for the fourth gush. 4. An absorbent article comprising an absorbent core which itself comprises a crotch region and one or more waist regions, wherein said crotch region has a lower ultimate storage capacity of fluid compared with said one or more regions waist together, characterized in that said article has a performance of acquisition of at least 3.75 ml / sec for the first gush. 5. An absorbent article according to claim 4, wherein said article has an Acquisition performance of at least 4.0 ml / sec for the first gush.

Classifications:
International (IPC 8-9): A61F13/15 (Advanced/Invention);
A61F13/15 (Core/Invention)
International (IPC 1-7): A61F13/15



Family:

Publication number	Publication date	Application number	Application date
AR012843 AA	20001122	AR1998P101386	19980326
CO4650175 A1	19980903	CO19980016987	19980326
TH33650 A	19990702	TH19981001030	19980325

Priority:
US19970005046 19970327

Probable Assignee: PROCTER AND GAMBLE

Assignee(s): (std): PROCTER AND GAMBLE

Assignee(s): PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY

Inventor(s): (std): DEAN LAVON GARY ; EHRSNERGER BRUNO JOHANNES ; NEUMANN FRANK ; PALUMBO GIANFRANCO ; SCHMIDT MATTIAS ; YOUNG GERALD ALFRED

Inventor(s): FRANK NEUMANN ; GARY DEAN LAVON ; GERALD ALFRED YOUNG ; GIANFRANCO PALUMBO ; MATTIAS SCHMIDT ; BRUNO JOHANNES EHRSNERGER

Agent(s): CARLOS REINALDO OLARTE GARCIA

Title: Absorbent article having improved comfort during use by improved fit even when loaded and improved rewet performance

Abstract: Source: US6278037B Absorbent article comprising an absorbent core with a crotch region and at least one waist region, whereby said crotch region has a lower ultimate fluid storage capability than said at least one waist region. The article further has an improved fluid handling performance in particular a low rewet value for minimizing skin hydration during use, such as measured by the post acquisition collagen rewet method value not exceeding 180 mg.

Classifications:

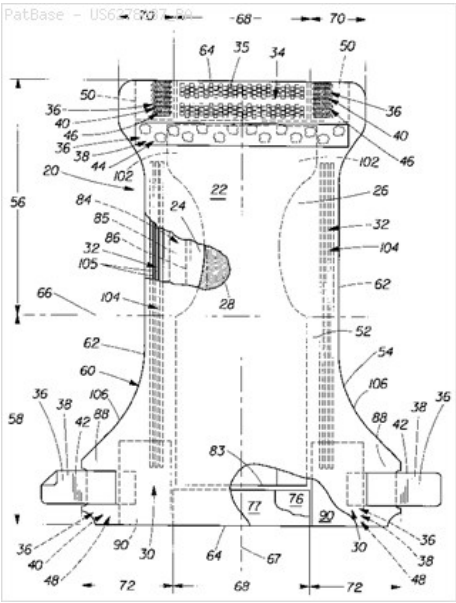
International (IPC 8-9): A47G7/00 A61F13/00 A61F13/15 A61F13/40 A61F13/49 A61F13/53 A61F5/44 (Advanced/Invention); A61F5/44 (Advanced/Non-invention); A47G7/00 A61F13/15 A61F5/44 (Core/Invention); A61F13/00 A61F13/40 (Core/Non-invention); A61F B32B (Subclass/Invention)

International (IPC 1-7): A47G7/00 A61F13/00 A61F13/15 A61F13/40 A61F13/49 A61F13/53 A61F5/44

CPC: A61F13/15203 A61F2013/15284 A61F2013/530437 A61F2013/530481 A61F2013/530817

European: A61F13/15J K61F13/15J8 K61F13/53P K61F13/53Q K61F13/53R1A

US: 604/367 604/369 604/378



Family:

Publication number	Publication date	Application number	Application date
AT227553 E	20021115	AT19970917664T	19970327
AU199725927 A1	19981022	AU19970025927	19970327
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CA2285429 AA	19990924	CA19972285429	19970327
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US6278037 BA	20010821	US19990381927	19991105
WO9843579 A1	19981008	WO1997US05048	19970327
ZA9802256 A	19980916	ZA19980002256	19980317

Priority:

CZ19990003408	19970327	EP19970917664	19970327	HU20000002363	19970327
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Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): HELLER ZSUZSA G ; LAVON GARY DEAN ; NEUMANN FRANK ; PALUMBO GIANFRANCO ; PROCTER AND GAMBLE ; EHRNSPERGER BRUNO JOHANNES ; YOUNG GERALD ALFRED ; SCHMIDT MATTIAS ; PROCTER AND GAMBLE CO CINCINNA ; THE PROCTER AND GAMBLE COMPANY ; THE PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY

Assignee(s): THE PROCTER AND GAMBLE COMPANYUS ; THE PROCTER AND GAMBLE CO CINCINNATI OHIO ; THE PROCTER AND GAMBLE CO CINCINNATI ; PROCTER AND GAMBLE GMBH ; THE PROCTER AND GAMBLE COMPANY CINCINNATI ; PROCTER AND GAMBLE COMPANY THE ; PROCTER AND GAMBLE CO ; PROCTOR AND GAMBLE CO ; G HELLER ZSUZSA

Inventor(s): (std): BRUNO JOHANNES EHRNSPERGER ; DEAN LAVON GARY ; EHRNSPERGER BRUNO JOHANNES ; EHRNSPERGER JOHANNES ;

FRANK NEUMANN ; G HELLER ZSUZSA ; GAINFRANCO PALUMBO ; GARY DEAN LAVON ; GERALD ALFRED YOUNG ;
GIANFRANCO PALUMBO ; LAVON DEAN ; LAVON GARY D ; LAVON GARY DEAN ; MATTIAS SCHMIDT ; NEUMANN FRANK ;
PALUMBO GIANFRANCO ; SCHMIDT MATTIAS ; YOUNG ALFRED ; YOUNG GARY A ; YOUNG GERALD A ; YOUNG GERALD
ALFRED

Inventor(s): PALUMBO GAINFRANCO

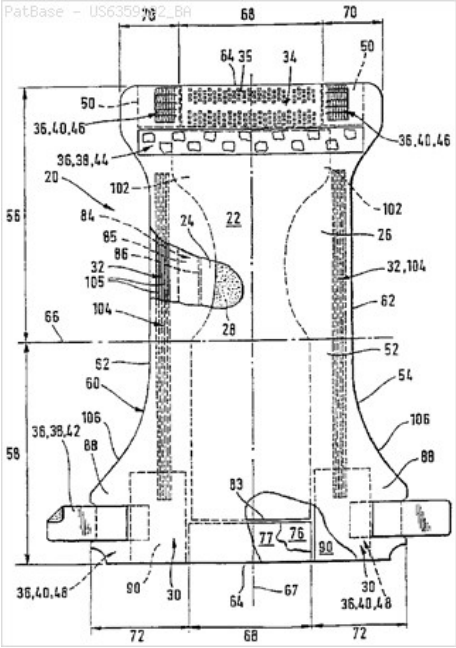
Agent(s): SIM AND MCBURNEY; CARLOS REINALDO OLARTE GARCIA; REINHOLD COHN AND PARTNERS

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CZ DE DK EE ES FI FR GA GB GE GH GN GR HU IE
IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG
SI SK SN SZ TD TG TJ TM TR TT UA UG US UZ VN YU

Title: Absorbent article with improved fluid distribution materials

Abstract: Source: US6359192B Disclosed is an absorbent article comprising an absorbent core with a crotch region and at least one waist region, whereby said crotch region has a lower ultimate fluid storage capability than said at least one waist region. The crotch region further comprises a high flux liquid distribution material having a flux at 12.4 cm of more than 0.075 g/cm2/sec.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/45 A61F13/49 A61F13/53 A61F5/44 (Advanced/Invention); A61F13/15 A61F5/44 (Advanced/Non-invention); A61F13/15 A61F5/44 (Core/Invention); A61F13/15 (Core/Non-invention); A61F (Subclass/Invention)
International (IPC 1-7): A61F13/15 A61F13/49 A61F13/53 A61F2/00 A61F5/44
CPC: A61F13/15203 A61F13/532 A61F13/5376
European: A61F13/15J A61F13/532 A61F13/537D
US: 604/369 604/375 604/378 604/385.01



Family:

Publication number	Publication date	Application number	Application date
AT229311 E	20021215	AT19970919980T	19970327
AU199724285 A1	19981022	AU19970024285	19970327
BRPI9714655 A	20000711	BR1997PI14655	19970327
CA2284938 AA	19990924	CA19972284938	19970327
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KR20010005750 A	20010115	KR19997008821	19990927
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MX9908877 A1	19991201	MX19990008877	19970327
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PE21598 A1	19990826	PE19980000215	19980325
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TW359609 B	19990601	TW19980105324	19980409
US6359192 BA	20020319	US19990381926	19990927
WO9843580 A1	19981008	WO1997US05234	19970327
ZA9802257 A	19980917	ZA19980002257	19980317

Priority:

WO1997US05234 19970327 US19970005234 19970327

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): EHRNSPERGER BRUNO JOHANNES ; LAVON GARY DEAN ; NEUMANN FRANK ; PALUMBO GIANFRANCO ; PROCTER AND GAMBLE ; SCHMIDT MATTIAS ; YOUNG GERALD ALFRED

Assignee(s): THE PROCTER AND GAMBLE COMPANY ; THE PROCTER AND GAMBLE CO CINCINNATI OHIO ; THE PROCTER AND GAMBLE COMPANY ; THE PROCTER AND GAMBLE COMPANYUS ; PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY CINCINNATI

Inventor(s): (std): DEAN LAVON GARY ; EHRNSPERGER BRUNO ; EHRNSPERGER BRUNO JOHANNES ; EHRNSPERGER JOHANNES ; NEUMANN FRANK ; PALUMBO GIANFRANCO ; SCHMIDT MATTIAS ; YOUNG ALFRED ; YOUNG GERALD ; YOUNG GERALD A ; YOUNG GERALD ALFRED ; LAVON DEAN ; LAVON GARY ; LAVON GARY D ; LAVON GARY DEAN

Inventor(s): LAVON GARY DENA ; LAVON GARYDEAN ; MATTIAS SCHMIDT ; BRUNO JOHANNES EHRNSPERGER ; YOUNG GERALDALFRED ; FRANK NEUMANN ; GARY DEAN LAVON ; GERALD ALFRED YOUNG ; GIANFRANCO PALUMBO ; EHRNSPERGER BRUNOJOHANNES

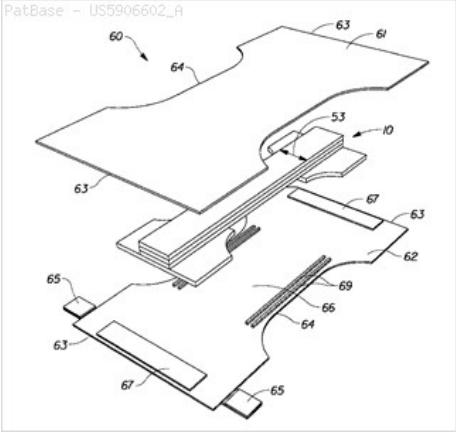
Agent(s): SIM AND MCBURNEY; CARLOS REINALDO OLARTE GARCIA

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CZ DE DK EE ES FI FR GA GB GE GH GN GR HU IE IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SN SZ TD TG TJ TM TR TT UA UG US UZ VN YU

Title: Shaped absorbent cores comprising multiple pieces of absorbent material and method for making same

Abstract: Source: US5906602A Disclosed is a shaped absorbent core suitable for **absorbing** and retaining aqueous body fluids. The absorbent cores comprise a **front** panel and a back panel. The **front** and back panels are made from fluid absorbent material, and each has an inner end, an outer end, and two **sides**. The inner and outer ends of each **front** and back panel have a length, with the inner end of each being shorter than the outer length of each. The **front** and back panels may comprise multiple layers of absorbent material. The absorbent cores also comprise a center section made from fluid absorbent material having first and **second** ends. The first end of the center section is in fluid communication with the **front** panel by **overlapping** the **front** panel intermediate the **front** inner and outer ends, and the **second** end is in fluid communication with the back panel by **overlapping** the back panel intermediate the back inner and outer ends. A method of preparing a shaped absorbent core comprises the steps of providing at least one continuous rectilinear web of first absorbent material having a longitudinal axis and a pair of lateral edges defining a first width. A continuous rectilinear web of **second** absorbent material having a longitudinal axis and a pair of lateral edges defining a **second** width wider than the first width of the first absorbent material is formed with opposing generally arcuate notched areas in the lateral edges at spaced intervals along the web of **second** absorbent material. The web of **second** absorbent material is severed transversely along a line intersecting the opposed generally arcuate notched areas at spaced intervals to form sections having opposed notched ends. The sections are then positioned such that the notched ends are spaced **apart** and **overlap** the continuous rectilinear web of first absorbent material, forming layers of absorbent material. Then the layers of absorbent material are severed transversely at a point intermediate the notched ends.

Classifications:
International (IPC 8-9): A61F13/00 A61F13/15 A61F13/47 A61F13/472 A61F13/49 A61F13/53 A61F5/44 B66C13/18 (Advanced/Invention); A61F13/15 A61F5/44 B66C13/18 (Advanced/Non-invention); A61F13/15 A61F5/44 B66C13/18 (Core/Invention); A61F13/00 (Core/Non-invention)
International (IPC 1-7): A61F A61F13/00 A61F13/15 A61F13/472 A61F13/49 A61F13/53 A61F5/44 B66C13/18
CPC: A61F13/535 A61F2013/4568 A61F2013/530802
European: A61F13/535 K61F13/45C4 K61F13/53R
US: 604/378 604/385.1 604/385.21



Family:

Publication number	Publication date	Application number	Application date
AT224685 E	20021015	AT19980907148T	19980326
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BRPI9808663 A	20000711	BR1998PI08663	19980326
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CN1251514 A	20000426	CN19988003713	19980326
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EP0969786 A1	20000112	EP19980907148	19980326
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HU0002251 AC	20001128	HU20000002251	19980326
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KR20010005579 A	20010115	KR19997008642	19990921
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MY134090 A	20071130	MY19980001364	19980327
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US5906602 A	19990525	US19970833015	19970327
WO9843575 A1	19981008	WO1998IB00454	19980326
ZA9802572 A	19981001	ZA19980002572	19980326

Priority:
US19970833015 19970327 WO1998IB00454 19980326 KR20000026167 20000516

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): PROCTER AND GAMBLE ; PO HANG IRON AND STEEL

Assignee(s): POHANG IRON AND STEEL CO ; LAVON GARY DEAN ; PROCTER AND GAMBLE CO ; TAYLOR GREGORY WADE ; THE PROCTER AND GAMBLE COMPANY ; THE PROCTER AND GAMBLE COMPANY CINCINNATI ; THE PROCTER AND GAMBLE CO CINCINNATI OHIO ; THE PROCTER AND GAMBLE CO ; YOUNG GERALD ALFRED ; WEBER GERALD MARTIN ; THE PROCTOR AND GAMBLE COMPANY ; THE PROCTOR AND GAMBLE COMPANYUS

Inventor(s): (std): KIM HONG SUN ; LA VON GARY DEAN ; LAVON DEAN ; LAVON GARY DEAN ; LEE GEUN HWA ; MARTIN WEBER GERALD ; TAYLOR GERALD A YOUNG GREGORY ; TAYLOR GREGORY WADE ; TAYLOR WADE ; WADE TAYLOR GREGORY ; WEBER GERALD M ; WEBER GERALD MARTIN ; WEBER MARTIN ; YONG GERALD ALFRED ; YOUNG ALFRED ; YOUNG GERALD ALFRED ; DEAN LAVON GARY ; ALFRED YOUNG GERALD

Inventor(s): YOUNG GERALDALFRED ; GERALD A YOUNG GREGORY W TAYLOR ; GARY DEAN LAVON ; WEBER GERALDMARTIN ; TAYLOR GREGORYWADE ; LAVON GARYDEAN ; GERALD ALFRED YONG ; GERALD ALFRED YOUNG ; GERALD M WEBER ; GERALD MARTIN WEBER ; GREGORY WADE TAYLOR

Agent(s): SIM AND MCBURNEY

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CZ DE DK EE ES FI FR GA GB GE GH GM GN GR GW HU ID IE IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG UZ VN YU ZW

Title: Absorbent articles providing improved fit when wet

Abstract: Source: US6083210A Disclosed are absorbent cores for inclusion in absorbent articles such as **diapers**, incontinent briefs, training pants, **diaper** holders and liners, feminine hygiene garments, and the like, designed to provide improved fit and comfort for the wearer while adequately containing body exudates. The absorbent cores are designed to be relatively narrow in the crotch region of the article, even when the core **absorbs** significant amounts of fluid during use. To achieve this, the absorbent core is designed such that fluid is moved substantially from the crotch region to the **front** and/or rear regions of the article. The invention particularly relates to an absorbent article comprising an absorbent core wherein the absorbent core has a crotch width when dry and when wet of not more than about 7 cm, and wherein the crotch region of the absorbent core has a capacity of not more than about 40 percent of the absorbent core's total absorbent capacity.

Classifications:

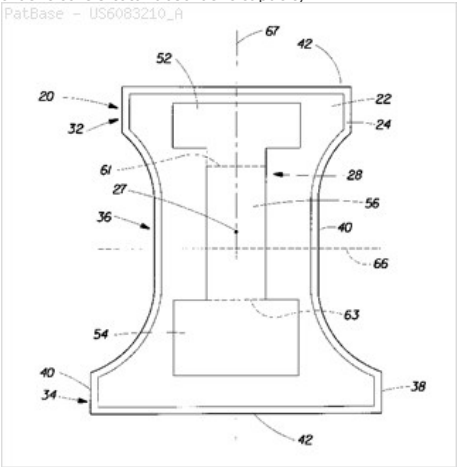
International (IPC 8-9): A61F13/15 A61F13/20 A61F13/49 A61F13/53 A61F5/44 B01J20/26 B01J37/025 (Advanced/Invention); A61F13/15 A61F5/44 B01J37/025 (Advanced/Non-invention); A61F13/15 A61F5/44 B01J20/22 B01J37/00 (Core/Invention); A61F13/46 (Core/Non-invention)

International (IPC 1-7): A61F A61F13/15 A61F13/20 A61F13/46 A61F13/49 A61F13/53 A61F5/44 B01J20/26 B01J37/025

CPC: A61F13/15203 A61F2013/15463 A61F2013/1552 A61F2013/530036 A61F2013/530817

European: A61F13/15J K61F13/15J8M K61F13/15J8P5 K61F13/53L4 K61F13/53R1A

US: 604/367 604/368 604/378



Family:

Publication number	Publication date	Application number	Application date
AR011704 AA	20000830	AR1998P101431	19980327
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KR20010105694 A	20011129	KR20000026405	20000517
MY133861 A	20071130	MY19980001367	19980327
NO994649 A	19991124	NO19990004649	19990924
NO994649 A0	19990924	NO19990004649	19990924
PE67699 A1	19991002	PE19980000224	19980327
TH33517 A	19990624	TH19981001033	19980325
TR9902342 T2	20000121	TR19990002342T	19980326
TW365532 B	19990801	TW19980104681	19980623
US6083210 A	20000704	US19970825072	19970327
WO9843573 A1	19981008	WO1998IB00452	19980326
ZA9802576 A	19981001	ZA19980002576	19980326

Priority:

US19970825072 19970327 WO1998IB00452 19980326 KR20000026405 20000517

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): NURI DATA SYSTEMS INC ; PROCTER AND GAMBLE

Assignee(s): PROCTER AND GAMBLE CO ; SCHMIDT MATTIAS ; THE PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE CO CINCINNATI OHIO ; THE PROCTER AND GAMBLE COMPANY ; THE PROCTER AND GAMBLE COMPANY CINCINNATI ; YOUNG GERALD ALFRED ; THE PROCTOR AND GAMBLE COMPANY ; THE PROCTER AND GAMBLE COMPANYUS ; EHRNSPERGER BRUNO JOHANNES ; HAYNES NANCY ANN ; LAVON GARY DEAN

Inventor(s): (std): ALFRED YOUNG GERALD ; ANN HAYNES NANCY ; EHRNSPERGER JOHANNES ; ERNSPERGER BRUNO JOHANNES ; HAYNES ANN ; HAYNES NANCY A ; HAYNES NANCY ANN ; JOHANNES EHRNSPERGER BRUNO ; KIM SEOK RYONG ; LAVON DEAN ; LAVON GARY D ; LAVON GARY DEAN ; DEAN LAVON GARY ; EHRNSPERGER BRUNO JOHANNES ; MATTIAS SCHMIDT ; SCHMIDT MATTIAS ; YOUNG ALFRED ; YOUNG GERALD A ; YOUNG GERALD ALFRED

Inventor(s): YOUNG GERALDALFRED ; NANCY A HAYNES ; NANCY ANN HAYNES ; EHRNSPERGER BRUNOJOHANNES ; LAVON GARYDEAN ; HAYNES NANCYANN ; GARY D LAVON ; GARY DEAN LAVON ; GERALD A YOUNG ; GERALD ALFRED YOUNG ; BRUNO JOHANNES EHRNSPERGER ; BRUNO JOHANNES ERNSPERGER

Agent(s): SIM AND MCBURNEY; ALVARO CORREA ORDONEZ

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CZ DE DK EE ES FI FR GA GB GE GH GM GN GR GW HU ID IE IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG UZ VN YU ZW

Title: ARTICULO ABSORBENTE CON MEJORADOS MARGENES ELASTICOS Y SISTEMA DE CONTENCIÓN ABSORBENT ARTICLE WITH IMPROVED ELASTIC MARGINS AND CONTAINMENT SYSTEM (Machine translation)

Abstract: Source: CO4700381A 1.- Un artículo absorbente que tiene una dimensión longitudinal, una dimensión transversal lateral, una porción de cinturón frontal, una porción de cinturón trasera y una porción intermedia que interconecta las dichas porciones de cinturón frontal y trasera, dicho artículo que comprende: una capa de hoja trasera que tiene un par de márgenes laterales lateralmente opuestos, cada margen lateral que tiene un contorno de borde lateral terminal, concavo hacia afuera localizado en regiones de abertura de piernas seleccionadas en una porción intermedia de cada uno de los dichos márgenes laterales, cada contorno de borde lateral concavo que tiene una extensión longitudinal seleccionada a lo largo de la dicha dimensión de longitud del dicho artículo; una capa de hoja superior permeable a líquidos conectada en relación de superposición a la dicha capa de hoja trasera. Un cuerpo absorbente interpuesto entre la dicha capa de hoja superior y la dicha capa de hoja trasera; un escudete de piernas fruncido y elasticizado, separado, conectado al dicho artículo a lo largo de cada una de las dichas aberturas de piernas seleccionadas, cada escudete de piernas configurado para extenderse más allá y para formar un puente entre porciones opuestas, espaciadas, de un asociado de los dichos contornos bordes laterales concavos de la dicha capa de hoja trasera. 1. An absorbent article having a longitudinal dimension, a lateral cross dimension, a **front** portion of belt, one belt rear portion and an intermediate portion interconnecting said portions of **front** and rear belt, said article comprising: a layer back sheet having a pair of lateral margins laterally opposed, each **side** margin having an outline terminal **side** edge, I concave outward located in opening regions selected legs at an intermediate portion of each of said **side** margins, each concave **side** edge contour having a selected longitudinal extent along said length dimension of said article; a layer of liquid permeable topsheet connected in overlying relation to said backsheet layer. An absorbent body interposed between said topsheet layer and said backsheet layer; a gusset shirring and elasticized legs, **separately** connected to said article along each of the said openings in selected legs, each leg gusset configured to extend beyond and to bridge between opposed, spaced portions of a Associate of said concave **side** edge contour of said backsheet layer.

Classifications:
International (IPC 8-9): A61F13/15 (Advanced/Invention);
A61F13/15 (Core/Invention)
International (IPC 1-7): A61F13/15

Family:

Publication number	Publication date	Application number	Application date
CO4700381 A1	19981229	CO19960001922	19960118

Priority:
CO19960001922 19960118

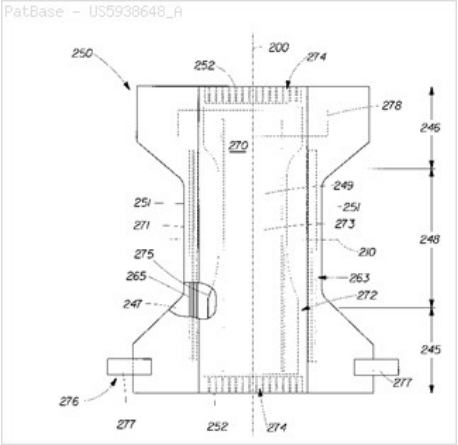
Probable Assignee: KIMBERLY CLARK CO
Assignee(s): (std): KIMBERLY CLARK CO
Assignee(s): KIMBERLY CLARK WORLDWIDE INC
Inventor(s): (std): GOSSEN BARBARA ANN ; LAUX DANIEL RICHARD ; LOUIS ROBINSON MARK ; LYNN CAROL BRUD ; NORDNESS CYNTHIA HELEN ; DONALD JOHNSON ERIC ; PROXMIRE DEBORAH LYNN ; SOSALLA PAULA MARY ; STEVENS ROBERT ALAN
Inventor(s): ROBERT ALAN STEVENS ; ROBINSON MARK LOUIS ; ERIC DONALD JOHNSON ; PAULA MARY SOSALLA ; BARBARA ANN GOSSEN ; CAROL BRUD LYNN ; CYNTHIA HELEN NORDNESS ; DANIEL RICHARD LAUX ; DEBORAH LYNN PROXMIRE
Agent(s): RAMIRO CASTRO DUQUE

Title: Absorbent articles exhibiting improved internal environmental conditions

Abstract: Source: US5938648A The present invention relates to absorbent articles such as **diapers**, adult incontinence garments, and feminine hygiene products. The present invention further relates to such absorbent articles having outer coverings designed to provide breathability and promote more healthy internal environmental conditions for the wearer. More specifically, the present invention provides an absorbent article comprising (a) a topsheet; (b) a backsheet; and (c) an absorbent core located between the topsheet and the backsheet; wherein the backsheet comprises a non-porous, substantially fluid impermeable, moisture vapor permeable composite sheet material. Preferably, the composite sheet material is oriented such that the film layer of the composite sheet material faces toward said absorbent core. Where the film layer of the composite sheet comprises a substantially hydrophilic elastomer film layer, the substantially hydrophilic elastomer film is preferably located in contact with the fibrous substrate. Where the film layer of the composite sheet comprises a multiple layer film with a substantially hydrophilic elastomer film layer and a substantially hydrophobic elastomer film, the substantially hydrophilic elastomer film is preferably located between the substantially hydrophobic elastomer film and the fibrous substrate. In another embodiment, the film layer may further comprise a third film layer comprising a substantially hydrophobic elastomer film located between the substantially hydrophilic elastomer film and the fibrous substrate. The absorbent article may comprise a disposable **diaper**.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/49 A61F13/514 A61F5/44 A61L15/16 A61L15/24 A61L15/26 B32B27/12 B32B5/16 (Advanced/Invention); A61F13/15 A61F5/44 B32B27/12 (Advanced/Non-invention); A61F13/15 A61F5/44 A61L15/16 B32B27/12 B32B5/16 (Core/Invention)
International (IPC 1-7): A61F13/15 A61F13/49 A61F13/514 A61F5/44 A61L15/16 B32B27/12
CPC: A61F13/15203 A61F13/51462 A61F13/5148 A61L15/24 A61L15/26 B32B5/16
European: A61F13/15C3 A61F13/15J A61F13/514B1B A61F13/514C2A A61L15/24 A61L15/26 B32B5/16
US: 604/358 604/367 604/370 604/378 604/385.23



Family:

Publication number	Publication date	Application number	Application date
AR017193 AA	20010822	AR1998P106135	19981203
AT220312 E	20020715	AT19980960704T	19981203
AU199916240 A1	19990616	AU19990016240	19981203
BRPI9813388 A	20001024	BR1998P113388	19981203
CA2310727 AA	20000518	CA19982310727	19981203
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CN1283978 A	20010214	CN19988013463	19981203
CO5070606 A1	20010828	CO19980072262	19981203
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EG22507 A	20030331	EG19980001506	19981203
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IL136166 A0	20010520	IL19980136166	19981203
JP2001524351 T2	20011204	JP20000522866T	19981203
KR20010032679 A	20010425	KR20007005961	20000601
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TH39391 A	20000714	TH19981004639	19981202
TR200001579 T2	20001121	TR20000001579T	19981203
TW561059 B	20031111	TW19980120085	19981203
US5938648 A	19990817	US19970984463	19971203
WO9927877 A1	19990610	WO1998US25667	19981203
ZA9811024 A	19990603	ZA19980011024	19981202

Priority:

US19970984463 19971203 WO1998US25667 19981203

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): PROCTER AND GAMBLE ; THE PROCTER AND GAMBLE COMPANY

Assignee(s): THE PROCTER AND GAMBLE CO CINCINNATI OHIO ; THE PROCTER AND GAMBLE CO CINCINNATI ; OSTAPCHENKO GEORGE JOSEPH ; MCKENNA JAMES MICHAEL ; VAIDYA SHAILAJA RAJEEV ; PROCTER AND GAMBLE CO ; PROCTER AND ; THE PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY CINCINNATI ; BECK THEODORA ; CURRO JOHN JOSEPH ; GAMBLE CO ; LAVON GARY DEAN ; LIM HYUN SUNG

Inventor(s): (std): BECK THEODORA ; CURRO JOHN JOSEPH ; CURRO JOSEPH ; HYUN SUNG LIM ; LIM HYUN SUNG ; LIM SUNG ; MCKENNA J MICHAEL ; MCKENNA JAMES ; MCKENNA JAMES M ; MCKENNA JAMES MICHAEL ; MCKENNA MICHAEL ; OSTAPCHENKO GEORGE JOSEPH ; OSTAPCHENKO JOSEPH ; VAIDYA REJEEV ; VAIDYA SHAILAJA R ; VAIDYA SHAILAJA RAJEEV ; VAIDYA SHAILAJA REJEEV ; LAVON DEAN ; LAVON GARY DEAN ; SHAILAJA REJEEV VAIDYA ; JOHN JOSEPH CURRO ; LAVON GARY D ; DEAN LAVON GARY

Inventor(s): JAMES MICHAEL MCKENNA ; GEORGE JOSEPH OSTAPCHENKO ; GARY DEAN LAVON ; LAVON GARY DEAN AND ; JOSEPH CURRO ; THEODORA BECK ; JAMES M MCKENNA ; GARY D LAVON

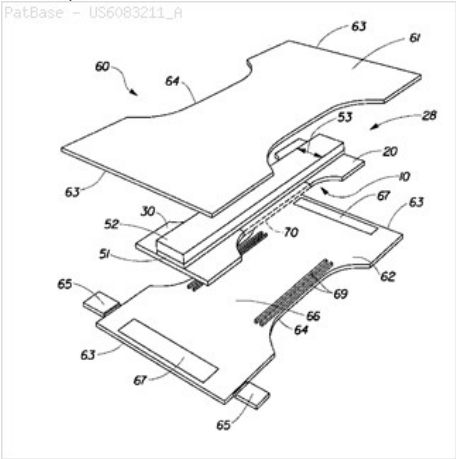
Agent(s): SIM AND MCBURNEY; CARLOS REINALDO OLARTE GARCIA

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR GA GB GE GH GM GN GR GW HR HU ID IE IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG UZ VN YU ZW

Title: High suction polymeric foam materials

Abstract: Source: US6083211A Disclosed are polymeric foam structures suitable for **absorbing** and storing body fluids such as urine, menses and the like. These liquid storage structures are high suction collapsible polymeric foam materials. The collapsed foams, upon contact with aqueous fluids, can **absorb** and expand these fluids even when opposed by significant hydrostatic pressures. These absorbent polymeric foams comprise interconnected open-cells. In one aspect, the foams can **absorb** at least about 25 g/g against a hydrostatic head pressure of 50 cm. In another aspect, the foams of the present invention will have a vertical hang sorption height at 90 percent of at least about 60 cm.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/49 A61F13/53 A61F5/44 A61L15/42 A61L15/60 B32B3/12 B32B3/26 C08F2/32 C08F36/00 C08J9/00 C08J9/02 (Advanced/Invention); A61F5/44 A61L15/42 (Advanced/Non-invention); A61F13/15 A61F5/44 A61L15/16 C08F2/32 C08J9/00 (Core/Invention)
International (IPC 1-7): A61F13/15 A61F13/49 A61F13/53 A61F5/44 A61L15/42 A61L15/60 B32B3/12 B32B3/26 C08F120/10 C08F2/32 C08F36/00 C08J9/00 C08L23/00
CPC: A61L15/425 C08F2/32
European: A61L15/42E C08F2/32
US: 604/358 604/367 604/369 604/385.1 604/385.21



Family:

Publication number	Publication date	Application number	Application date
AR015245 AA	20010418	AR1999P101055	19990311
AT255916 E	20031215	AT19990906375T	19990312
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ES2209401 T3	20040616	ES19990906375T	19990312
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HU0101037 AC	20021028	HU20010001037	19990312
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JP2002506889 T2	20020305	JP20000536422T	19990312
JP2010090388 A2	20100422	JP20090280342	20091210
KR20010041849 A	20010525	KR20007010139	20000914
MX230660 B	20050915	MX2000PA08961	20000913
MXPA00008961 A1	20010501	MX2000PA08961	20000913
PE05282000 A1	20000803	PE19990000210	19990315
TH36323 A	19991217	TH19991000819	19990312
TR200002629 T2	20001121	TR20000002629T	19990312
US6083211 A	20000704	US19980042429	19980313
WO9947183 A1	19990923	WO1999IB00404	19990312
ZA9901990 A	19990913	ZA19990001990	19990311

Priority:
US19980042429 19980313 CZ20000003300 19990312 JP20000536422 19990312
WO1999IB00404 19990312

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std) PROCTER AND GAMBLE ; PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY

Assignee(s): THE PROCTER AND GAMBLE COMPANY CINCINNATI ; DESMARAI THOMAS ALLEN ; THE PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE CO CINCINNATI OHIO

Inventor(s): (std) DESMARAI THOMAS ALLEN ; DESMARAI THOMAS A ; THOMAS ALLEN DESMARAI ; THOMAS A DESMARAI ; DESMARAI THOMAS ALLEN

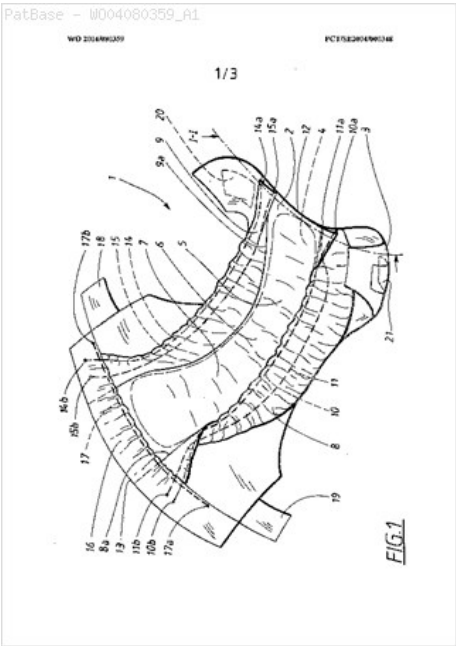
Agent(s): DIMOCK STRATTON LLP; CARLOS REINALDO OLARTE GARCIA

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG UZ VN YU ZW

Title: ABSORBENT ARTICLE

Abstract: The invention relates to an absorbent article (1) comprising an upper, liquid-permeable cover sheet (2), a lower, liquid-impermeable cover sheet (3), and an absorption body (4) arranged between the cover sheets (2, 3), said article (1) defining a longitudinal direction, a **front** portion (5) in the longitudinal direction, a rear portion (7), and a middle portion (6) arranged between said portions (5, 7), said article (1) additionally comprising first and **second side** barriers (8, 9) along the respective longitudinal **side**, and each **side** barrier (8, 9) in turn comprising at least one longitudinal elastic element (10, 11; 14, 15), said first and **second side** barriers (8, 9), viewed from above, defining a shape which narrows in the direction towards said **front** portion (5) so that the **distance**, in the transverse direction of the article (1), between said elastic elements (10, 11, 14, 15) is greater in said rear portion (7) than in said **front** portion (5). According to the invention, each **side** barrier (8, 9) is arranged such that, when it is secured in contact with said **front** portion (5), it defines a folded structure of substantially Z-shaped cross section with a fold (22, 23) directed towards the inside of said article (1). The invention affords an improved absorbent article, principally in the form of a **diaper** for very small infants, which effectively prevents leakage of loose, running excrement and which provides a good fit and is easy to place on a user.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/49 A61F13/494 (Advanced/Invention); A61F13/15 (Core/Invention)
International (IPC 1-7): A61F13/15
CPC: A61F13/49413 A61F13/49019
European: A61F13/494A1 A61F13/49D2F



Family:

Publication number	Publication date	Application number	Application date
AT537797 E	20120115	AT20040719169T	20040310
AU2004220690 AA	20040923	AU20040220690	20040310
AU2004220690 BB	20090423	AU20040220690	20040310
CN100522120 C	20090805	CN200480006829	20040310
CN1761438 A	20060419	CN200480006829	20040310
CO5650214 A2	20060630	CO20050092061	20050912
EP1603505 A1	20051214	EP20040719169	20040310
EP1603505 B1	20111221	EP20040719169	20040310
EP1603505 B2	20150225	EP20040719169	20040310
JP2006520250 T2	20060907	JP20060507954T	20040310
MXPA05008645 A1	20051018	MX2005PA08645	20040310
PL1603505 T3	20120731	PL20040719169T	20040310
RU2005131836 A	20060610	RU20050131836	20040310
RU2329021 C2	20080720	RU20050131836	20040310
SE200300715 A0	20030314	SE20030000715	20030314
W004080359 A1	20040923	W02004SE00348	20040310

Priority:
SE20030000715 20030314 W02004SE00348 20040310

Probable Assignee: SCA HYGIENE PROD AB

Assignee(s): (std): SCA HYGIENE PROD AB

Assignee(s): SCA HYGIENE PRODUCTS AB ; SKA KHAJDZHIN PRODAKTS AB

Inventor(s): (std): CORNELIUSSON HELEN ; HELEN CORNELIUSSON ; KORNELIUSSON KHELENA ; CORNELIUSSON HELENA

Inventor(s): HELENA CORNELIUSSON

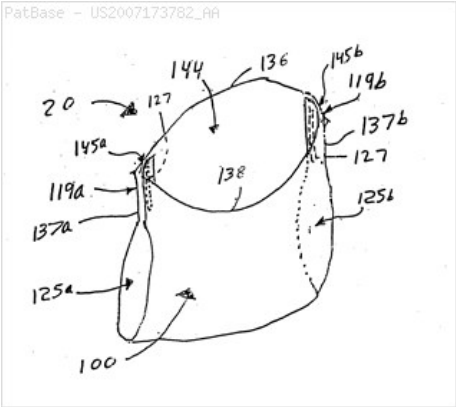
Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; ANDERSSON PER RUNE; GRAY HELEN MARY

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

Title: SIMPLE DISPOSABLE PANT-LIKE GARMENT HAVING BREATHABLE **SIDE** BARRIERS

Abstract: Source: US2007173782A A simple disposable pant-like garment includes an absorbent assembly attached to a chassis. The absorbent assembly includes an absorbent core that may contain superabsorbent particles, which may be contained inside pockets. The absorbent assembly is folded laterally inward at both of its **side** edges to form laterally opposing **side** flaps. Each **side** flap is attached to an interior surface of the absorbent assembly adjacent to its end edges. A longitudinally extending elastic gathering member is attached to each **side** flap adjacent to its proximal edge. When the article is worn, the elastic gathering members contract and raise the **side** flaps to form breathable **side** barriers. The chassis includes a water-impermeable sheet and may be extensible. The absorbent assembly may be attached in a cruciform pattern such that portions of the chassis that lie outside the attachment pattern are not restrained by attachment to the absorbent assembly and therefore remain extensible.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/49 A61F13/496 A61F13/51 A61F13/514 A61F13/56 A61F13/84 (Advanced/Invention); A61F13/15 (Core/Invention); A61F (Subclass/Invention)
International (IPC 1-7): A61F13/15
CPC: A61F13/496 A61F13/49413 A61F13/5323
European: A61F13/494A1 A61F13/496 A61F13/532B
US: 604/385.01 604/385.03 604/385.04 604/385.101 604/385.22 604/385.220S 604/385.24 604/385.25 604/396 604/396P



Family:

Publication number	Publication date	Application number	Application date
AR057809 AA	20071219	AR2006P103979	20060912
BRPI0615917 A2	20110531	BR2006P115917	20060912
CN101031267 A	20070905	CN200680000864	20060912
CN101031267 B	20121128	CN200680000864	20060912
EP1924232 A2	20080528	EP20060809287	20060912
IN02321DN2007 A	20070803	IN2007DN02321	20070326
MX2008003436 A1	20080327	MX20080003436	20060912
RU2008107673 A	20091020	RU20080107673	20060912
RU2408344 C2	20110110	RU20080107673	20060912
TH86082 A	20070820	TH20061004373	20060911
US2007173782 AA	20070726	US20050224462	20050912
US8684990 BB	20140401	US20050224462	20050912
WO07031942 A2	20070322	WO2006IB53239	20060912
WO07031942 A3	20070607	WO2006IB53239	20060912
ZA200801955 A	20090826	ZA20080001955	20080229

Priority:

US20050224462 20050912 WO2006IB53239 20060912

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): LAVON GARY D ; LAVON GARY DEAN ; NIGAM PANKAJ ; PROCTER AND GAMBLE

Assignee(s): PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY ; DZE PROKTER EHND GEHMBL KOMPANI

Inventor(s): (std): LAVON GARY D ; LAVON GARY DEAN ; LAVON GEHRI DIN ; NIGAM PANKADZH ; NIGAM PANKAJ ; PANKAJ LAVON GARY D NIGAM ; PANKAJ NIGAM ; DEAN LAVON GARY

Inventor(s): GARY DEAN LAVON ; LAVON GARY

Agent(s): KREMER VERONIQUE MARIE JOSEPHINE; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION WEST BLDG; RICHARD L

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: ABSORPTIVE ARTICLE

Abstract: Source: US2011118690A An absorptive article according to the present invention includes: a main **absorber** including at least a liquid-permeable top sheet, liquid-impermeable back sheet, and an **absorber** disposed between the top sheet and the back sheet, **absorbing** and retaining fluid, and including a back-**side** region, a crotch region, and a belly-**side** region arranged in the longitudinal direction from the back **side** to the belly **side** in a state of wearing; and a left-and-right pair of **side**-flap portions provided on both **sides** in the width direction of the main **absorber**. A belly-**side** stretched region extended in the around-the-waist direction provided in the belly-**side** region of each **side**-flap portion.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/49 A61F13/493 A61F13/494 A61F13/496 A61F13/514 A61F13/56 A61F5/44 A61L15/18 (Advanced/Invention); A61F13/49 A61F13/493 A61F13/494 A61F13/514 A61F13/56 A61L15/18 (Advanced/Non-invention);

A61F13/15 A61F13/56 A61F5/44 (Core/Invention);

A61F13/15 A61F13/49 (Core/Non-invention)

International (IPC 1-7): A61F13/15

CPC: A61F13/49011 A61F13/4902 A61F13/49413 A61F13/49466 A61F13/49017

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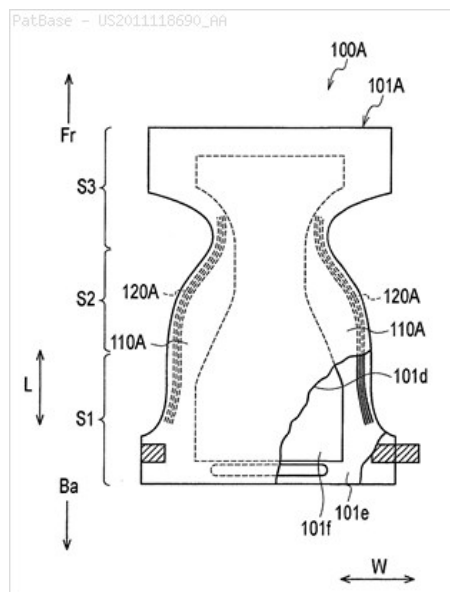
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A61F13/49D2H A61F13/539 K61F13/551

US: 604/378 604/378P 604/385.16 604/385.160P 604/385.24 604/385.240S 604/385.29

604/385.3 604/394

**Family:**

Publication number	Publication date	Application number	Application date
AU2009216183 AA	20090827	AU20090216183	20090219
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CN101945631 A	20110112	CN200980105755	20090219
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JP2009195325 A2	20090903	JP20080037916	20080219
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JP5566612 B2	20140806	JP20090026246	20090206
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WO09104581 A1	20090827	WO2009JP52646	20090217	
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Priority:

JP20080037916	20080219	JP20080037919	20080219	JP20080037921	20080219
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JP20090026255	20090206	WO2009JP52646	20090217	WO2009JP52645	20090217
WO2009JP52872	20090219	WO2009JP52737	20090218	JP20090216277	20090217
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Probable Assignee: UNI CHARM CORP

Assignee(s): (std): OKU TOMOMI ; SAKAGUCHI SATORU ; UNI CHARM CORP ; UNICHARM CORP ; UNI CHARM LTD

Assignee(s): UNI CHARM CORPORATIONJP ; UNI CHARM CO LTD

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Title: Easy-care **diaper** with function of being worn externally

Abstract: Source: TWM370313Y

Machine translation: One kind may outside put on easily to look after the urine trousers, by easy to **absorb** moisture the row of perspiration cotton material to make, in **front** of the trousers body a left and right piece body extends forward one may **overlap** the felt to mount it to obstruct ties, with camouflages and the felt mounts a lacing package to set at a before section, makes its next to the skin; In **front** of this Bao Zhibu but the section is the pants crotch piece extends the broaden to be possible forward to launch or to receive gathering independently; After this Bao Zhibu Duan Xigai the pants crotch piece parallel backward extends the suitable area; **Front** in **front** of Bao Zhibu, the nose distinction is equipped with horizontally locates the piece and latter locates the piece, for the urine piece or using of the urine pad both **sides** solid position, and visible needs to select the urine piece or the urine pad. [Creation characteristic] The United Nations to "the advanced age society" the definition is: Above 65 years old the old population accounts for its total population proportion to reach 7% above country. Taiwan the old age population has occupied for 7%, 2007 years in 1993 to reach 10.2%, will estimate the future during for 30 years to grow thickly 3 times, also the age will be bigger loses the efficiency to be higher. At present for a long time looks after the organization utilization ratio to occupy the old age population 74.3%. ; For in accordance to the demand, the government in 2002 was the impetus "the attendance service welfare and the industry development program". Another in 2006 "a greatly warm social welfare set of document", specially "the construction for a long time will look after ten years plan" to subscribe for the flagship plan. At present the Executive Yuan positively pushes "looks after the danger for a long time", draws up integrates all the people insurance and the standard, estimated quickest in 2011 then puts into practice. ; However no matter plan project on the known home or in the community type attendance, or the present domestic various healing institutes, looks after the organization to use it for a long time to look after the thing, looks after the demand assistance of and the supply specially in view of the elder patient has the insufficiency actually. ; Creates the artificial specialized nursing staff, and the old person looks after the organization (to comment for a long time warning after controlling organization for first-class) the person in charge. In assists to look after the old person sickness for a long time on the work place, discovered lets the watcher feel shoulders heavily, is at times duplicates every day for moves about with difficulty the elder clean body, the replacement urine piece, the urine pad, the urine trousers, as well as puts on escapes the clothing the work. The old people the reason that easy to receive the young people to repel, because often is the bodily unusual smell, the clothing correct manners discipline is the result of not cleanly. Because however the old person looks after in the practice to really have all sorts of Xin difficult factor, raises the organization to look after the quality peacefully to have to be able to promote, must do looks like an old person to live in contentment the paradise, first uncovers these long-standings the question to have to give the effective improvement, also is the inventor receives the urgent news--About "clothing appropriate" question. Since long ago the inventor looks after the center therefore can maintain the good quality, all depends the massive investments result the manpower physical resource, however, this has the massive resources to duplicate every day actually unceasingly is wasting. ; Because furthermore, the elders sickness creates body mind certain degree the damage, the self-bodily image, the self-confidence, individual value feeling forfeit, causes its watcher in the body and mind and above the home economics surface near the multiple burdens and the pressure. Thus, inventor this Yu Shenwei medical care personnel's sense of mission, by own specialized knowledge and the long-term experience, the union society reduces the carbon environmental protection concept after the value and the energy conservation, designs this to conform to the convenience carefully, artistically, practical, the health, comfortable, creation the economic efficiency. The inventor induces looks after the common question for a long time, as follows: ; First, various types use habitually the pants speaking of wounded and sick or move about with difficulty the elder, put on escape inconveniently. ; **Second**, various types use habitually the pants to aggravate the watcher to stand up from failure the clean body for the elder, the replacement and the clean clothing and so on look after the work burdens. ; Third, because the regulation of body temperature difference, the skin metabolism row of perspiration function drop, the elder suspends in the position, the bodily clean process at the turning over, possibly has the pathogenesis crisis, for example: Easy to suffer from the bed common complications, like cold, pneumonia. ; Because fourth, the body suspends the position not easily to cause shallowly in the natural injury, if joint muscle not when pulls. On because clinical common patient osteoporosis serious, in puts on escapes as well as stands up from failure suspends the position in the process, has case which the spontaneous bone fracture or the muscle dampen. ; Fifth, Taiwan belongs to the island climate, ? is heavy, winter clothes not easy to dry, uses habitually the cotton material knit cotton underwear to need especially to be able frequently to deposit by way of the drying process, but dries the easy synaeresis, the distortion repeatedly, consumes the waste energy especially extremely. ; Sixth, uses habitually a hygienic trousers ventilation row of perspiration not good easy mildewy, easy to create the common skin problem, for example: Miliaria, eczema, pressure sore, when partner can initiate near step organization necrosis and the unclear reason infects the honeycomb organization inflammation and so on. ; Seventh, various types use habitually the pants to be inconvenient regarding buttocks abdomen leg area sick and wounded nursing. ; Eighth, various types custom knows Yi Huan the urine trousers, regarding must egress person of the active outside, must add puts on the trousers, extremely inconvenient. ; Ninth, various types custom knows Yi Huan the urine trousers, has not had outside prevented disengages a clutch design the wearer abdomen body, the urine has leaks the risk of. ; Beside tenth, the internal breaks paper urine trousers, have again put on the trousers body to have to widen, send the outlook to swollen the pine not to be inelegant. ; 11th, the paper urine trousers selling price is expensive, the material waste, the inscribed tally cannot reduce the carbon environmental protection principle. ; 12th, the paper urine trousers wrap the area to be big, both thick and air-tight, in the summer or for a long time puts on when sultry ill, easy to cause the skin question. ; May know by on, in the market condition general uses habitually the hygienic trousers or the custom knows the technology, has like on the shortcoming. Thus may know, the elder contracts the situation endures pities, watcher's load endures worry. ; Reflects this, this creation may outside put on easily to look after the urine trousers mainly to select the moisture absorption row of perspiration cotton material to sew the pants, like polyester fiber (Polyeste--Can maintain the skin dry, fast dry and clear, guards against exposes to the sun ability for the cotton and kapok two time of, the resist bacteria, guards against the perspiration fetid odor, the inner layer may brush the wool in order to help to maintain warmth) or adds fine combs cotton (comfortable softness good, stands washing, does not get up hair bulb, hygroscopicity good) and so on keeps under control becoming. ; The custom knows the technology according to so-called "the polyester fiber", is refers to the processing to enable the textile fiber to become Y or the cruciform cross section increases the trench, i.e. lets textile fiber itself have the trench to let the sweat move, this water distribution principle, but rapidly skin on sweat detachment; And causes the cotton material absorption sweat using the capillarity the area increase, but may accelerate the evaporation. So achieved the moisture absorption row of perspiration function, also cannot reduce effectiveness because of the following clean maintenance, but may permanent wear. ; So-called "fine combs cotton", refers the raw cotton with the comb length not textile fiber and the impurity elimination, also while convenient combs the cotton and kapok textile fiber, spins is evenner the fine comb cotton yarn. The comb cotton yarn makes the fabric in the sense of reality, stands washing with the abrasive resistance all has the high quality standard, is not easy after the multi-lavations the hair bulb, not easy to fall the cotton fiber; Not only toughness is high, and has highly attracts the inferior river character. ; This creation by forecited easy to **absorb** moisture the row of perspiration cotton material to make the pants, causes the wearer avoid like **front** to uncover uses habitually fault of puzzle the hygienic trousers, easy to look after. ; In **front** of this trousers body a left and right piece body extends forward one may **overlap** the felt to mount it to obstruct ties, camouflages and the felt of mounts Bao of in **front** of Zhibu a lacing urine piece or urine pad the section, makes its next to the skin not to disengage a clutch. ; Because human body degree of stoutness not one, the abdomen also even raised size **different**, after again Canada puts on the urine piece or the urine pad, if does not give collects, will be able the pine to break down to the body, not only will be inelegant, also will have outside the urine to leak the risk of. But should obstruct ties to **overlap** the felt to mount collects, again folds the packing with Bao Zhibu by the devil carpet veneer, besides may hide wears the urine piece or the urine pad, because is obstructs ties to be fixed by the left and right piece **overlap**, therefore sickness of elder the suitable each kind of build, the area does not have to divide the large, medium and small foot ? specification, also the info clerk, the management is convenient. ; In **front** of this Bao Zhibu but Duan Xiyu the pants crotch piece extends the broaden to be possible forward to launch independently or to receive gathers; After Bao Zhibu Duan Xigai the pants crotch piece backward parallel extends a suitable area; Both **sides** of Bao Zhibu the are equipped with the before and after localization piece horizontally, for urine piece or using of the urine pad both **sides** solid position. ; This **front** fixed plate is **overlaps** middle in sack in vivo surface by a small bag of body constitutes, visible needs to select the urine pad end to install in parts into the sack body, or the urine piece end installs in parts into the small bag body, but gives solid. ; In the practice, the elder or sickness divide into the activity with not to move two types, the two are **different** use demand to the urine piece or the urine pad of, this creation designs Cheng Kegong specially the urine piece and the urine pad dual is suitable the localization design, and may substitute for the paper urine trousers to save consumes the material. ; The activity like wants to egress, uses the urine piece or the urine pad has ? the shifting risk of, the sleep turning over use urine piece or the urine pad also has the motion risk of; But does not move, will only have to urinate the piece or the urine pad end installs in parts into the before and after localization internal then. ; Thus, for prevented the activity wears under the urine piece either the urine pad falls or shifting, after this locates the piece to have the dual designs: Namely by an in felt bag **overlaps** in inside an outside duplicate bag; In inside the felt bag Canada supposes the devil felt needle surface again, may urinate the piece or the urine pad gives Yu Zhanfu the solid position, guards against falls shifting, is advantageous for the activity to wear. But this outside duplicate bag turns round for does not move the urine pad end to install in parts into. In at the same time, moves when the traveler uses the felt bag, because the double-decked cotton material turns round at the back of the devil felt, avoids the skin rubbing presses ill. ; After before this, locates the piece to correspond mutually for the urine piece or using of the urine pad both **sides** solid position, eliminates visible needs to select the urine piece or the urine pad, more visible needs to use or not to need the devil felt to hold under duress solid. ; According to "the devil felt" the principle, is by many thin catch clog needle surface (next called devil felt needle surface), weaves weaving surface Cheng Kongzhuang the with many (next to call devil felt weaves surface), after the two contact, hooks the needle to prick hole of in immediately the weaving surface, but and gives the hook to live firmly felt mounting. But this thin catch clog needle except weaves Kong Mianwai, textile fiber material qualities and so on hair **side** wadding surface all has puts on the hook felt stickiness. At the same time, the devil felt like revertex sod rug has stops the slippery function. ; This creation is the use devil felt either thorn or hook or the skid resistant principle the revertex needle blanket, supposes seam of the devil felt needle surface in after locates in the piece inside the felt bag, but holds under duress with the paper urine piece itself textile fiber hair **side** felt thorn, may make to urinate the piece or the urine pad felt does not attach shifting; In addition behind the underpants the both **sides** suppose expand and contract the belt to set at into the area, and **front** the trousers body obstructs ties to collect the function, can cause the before and after localization piece and the urine piece urine levels the entire next to the skin. This compares Yu Xizhi the technology urine piece the solid position, for extremely safe and outstanding innovation designer. ; By way of above design, enables then achieves the following function. ; First, avoid like **front** uncovers uses habitually the hygienic trousers stuffily to have taste pathogenesis and so on puzzles fault the wet. ; **Second**, does not need to put on escapes the pants then to replace convenience of the urine piece urine pad, the nursing. ; Third, may collect Bao of Zhibu this urine piece to swollen the loose condition, makes its next to the skin, guards against outside the urine to leak. ; Fourth, may camouflage the hideaway not to be inelegant. ; Fifth, visible needs to select the urine piece or the

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