

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.

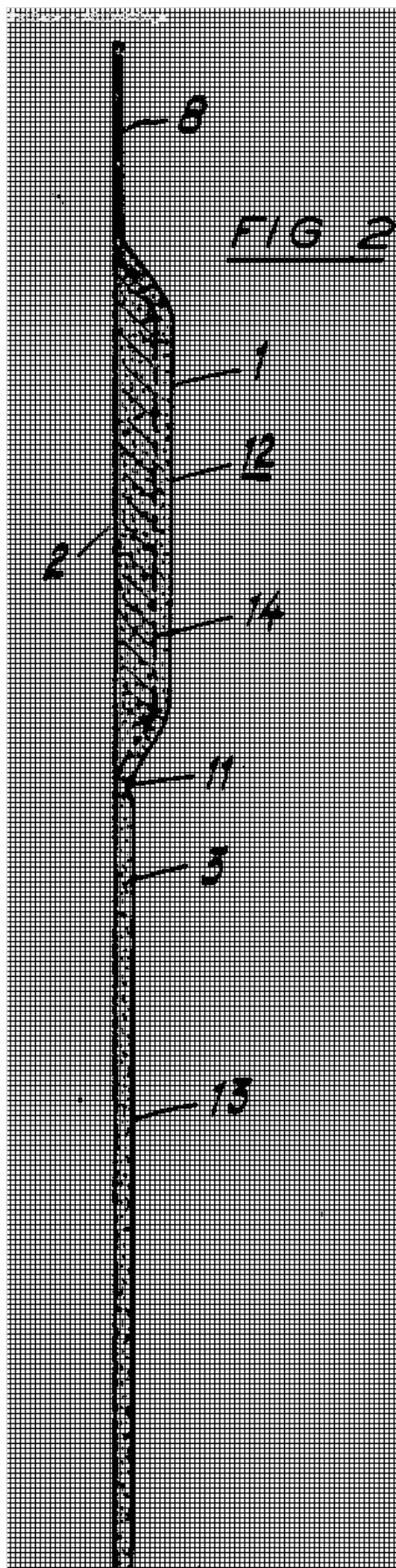
Classifications:

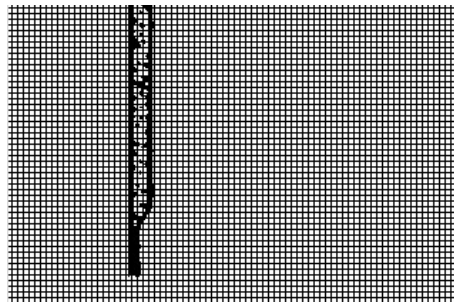
International (IPC 8-9): A61F13/15 (Advanced/Invention)

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

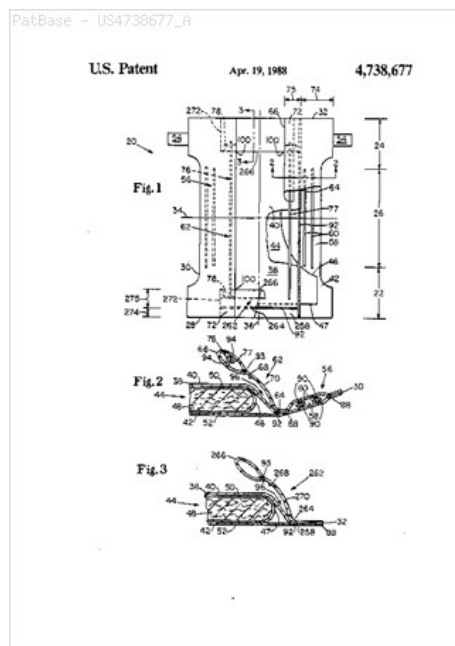
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CPC: A61F13/4942 A61F5/4401 A61F13/49009 A61F13/49466 A61F13/49017

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
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GR3032645 T3	20000630	GR20000400343T	20000211
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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

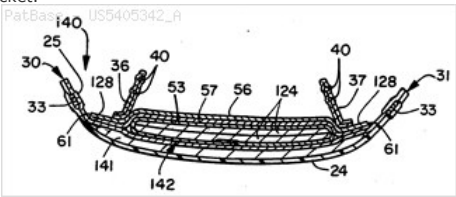
Designated states: AT BE CH DE ES FR GB GR IT LI LU NL SE

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

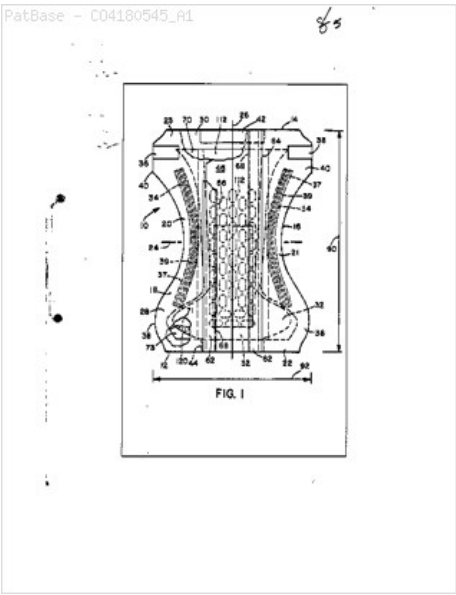
Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD

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

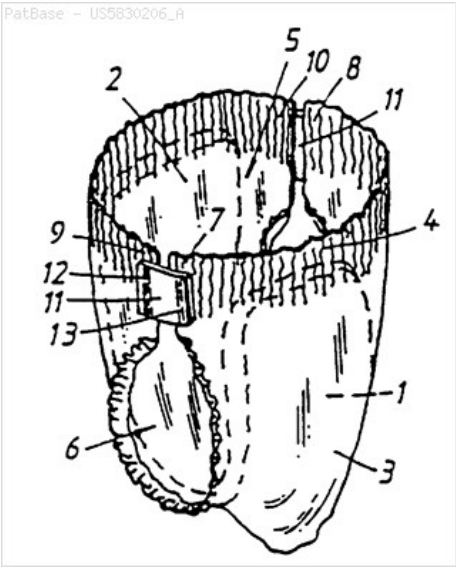
Probable Assignee: KIMBERLY CLARK CO
Assignee(s): (std): KIMBERLY CLARK CO
Assignee(s): KIMBERLY CLARK CORP
Inventor(s): (std): PAULETTE MARY ROSCH ; SUPRISE JODY DOROTHY
Inventor(s): JODY DOROTHY SUPRISE ; MARY ROSCH PAULETTE
Agent(s): RAMIRO CASTRO DUQUE

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
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CA2187362 AA	19961007	CA19952187362	19950411
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JP9511428 T2	19971118	JP19950526290T	19950411
MX9604709 A1	19980131	MX19960004709	19950411
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PE22396 A1	19960611	PE19950266328	19950412
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PL316683 A1	19970203	PL19950316683	19950411
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SK126796 A3	19970806	SK19960001267	19950411
TNSN95030 A1	19960206	TN1995SN00030	19950411
TW361242 Y	19990611	TW19970203802U	19950519
US5830206 A	19981103	US19960714183	19961004
WO9527463 A1	19951019	WO1995SE00392	19950411
ZA9502492 A	19951215	ZA19950002492	19950327

Priority:

SE19940001228 19940412 WO1995SE00392 19950411

Probable Assignee: SCA HYGIENE PRODUCTS AKTIEBOLAG

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

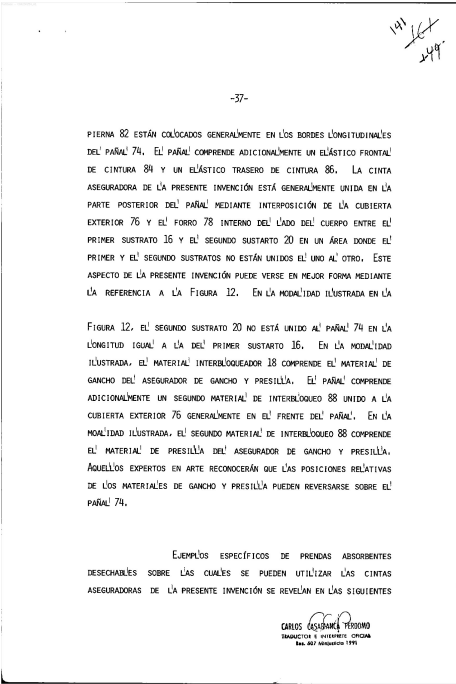
Assignee(s): MOLNLYCKE S AB ; LARSSON BJORN ; M LNLYCKE AB ; MOLNLYCKE AB ; SCA HYGIENE PRODUCTS AKTIEBOLAG ; SCA HYGIENE PRODUCTS AKTIENBOLAG ; MOLNLYCKE AKTIEBOLAG ; SCA HYGIENE PRODUCTS AB GOETEBORG ;

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

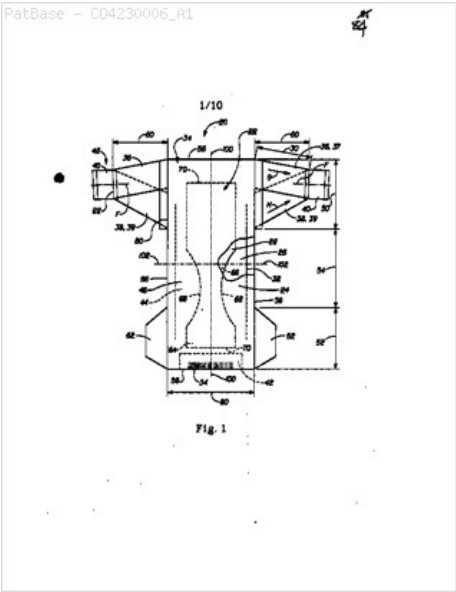
Inventor(s): REBECCA LYN DILNIK ; ROBERT EUGENE VOGT ; SCOTT LEE PENNINGS ; PAUL JOHN SERBIK ; MARK MICHAEL MLEZIVA ; GEORGIA LYNN ZEHNER ; ALLEN TODD LEAK ; BRUCE MICHAEL SIEBERS

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

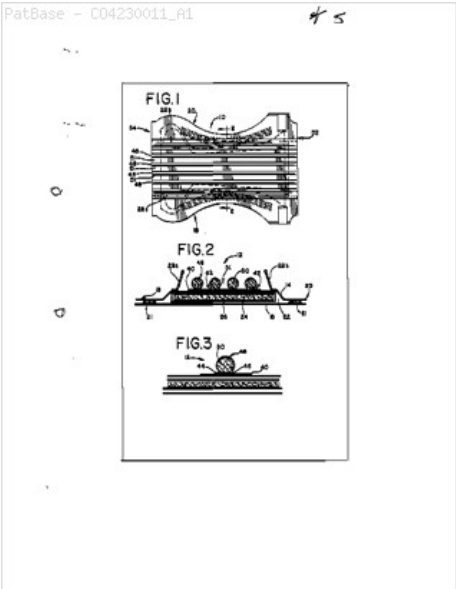
Inventor(s): MIGUEL ALVARO ROBLES ; DONALD CARROLL ROE ; DREIER KIMBERLY ANN ; CARL LOUIS BERGMAN ; CONSTANCE LEE DAKIN

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 ; GRYSKIWICZ STANLEY MICHAEL ; KOLLIN NANCY DONALDSON ; MORMAN MICHAEL TOD ; MAYBERRY PAMELA JEAN ; MEITNER GARY HOWARD ; WEBER MARY EVA

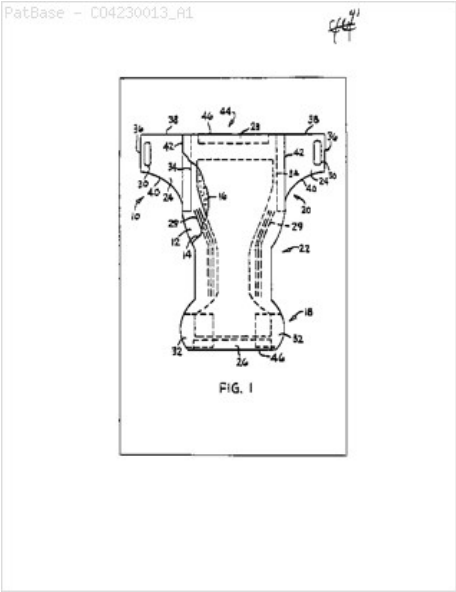
Inventor(s): BRYAN COLE DOUGLAS ; MICHAEL TOD MORMAN ; NANCY DONALDSON KOLLIN ; PAMELA JEAN MAYBERRY ; STANLEY MICHAEL GRYSKIWICZ ; WARREN COLLIER LESLIE ; MARY EVA WEBER ; JAMES ARTHUR DAVIS ; GARY HOWARD MEITNER

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 AR- TICULO DEFINE UNA PARTE FRONTAL, UNA PARTE POSTE- RIOR, UNA PARTE DE ENTREPIERNA QUE CONECTA LAS PARTES FRONTAL Y POSTERIOR; DICHO ARTICULO COM- PRENDE UNA CUBIERTA EXTERIOR; UN FORRO DEL LADO DEL CUERPO PERMEABLE AL LIQUIDO; UN MATERIAL AB- SORBENTE LOCALIZADO ENTRE DICHA CUBIERTA Y DICHO FORRO DEL LADO AL CUERPO; UN PAR DE OREJAS ELAS- TOMERICAS 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 PARALE- LO 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 FORNTAL EN UNA RELACION TRANSLAPANTE; EN DONDE CUANDO ESTA EN USO, EL SEGUNDO BORDE DE CO- NEXION 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 ELASTOME- RICO, DICHO MATERILA DEFINE UN BORDE CERCANO, UN BORDE ALEJADO, UN PRIMER BORDE DE CONEXION, Y UN SEGUNDO BORDE DE CONEXION, DICHOS BORDES DE CONE- XION PRIMERO Y SEGUNDO CONECTAN DICHOS BORDES CER- CANO 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, AR- TICLE 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 forntal elastomeric TO THIS PART IN A RELATIONSHIP TRANSLAPANTE; 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 materila, 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

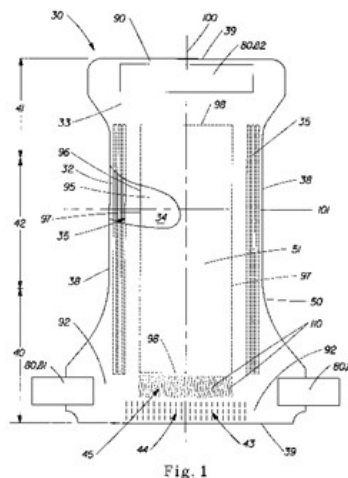
CPC: A61F13/49009 A61F13/4902 B29C55/18 D04H1/5405

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:**

Publication number	Publication date	Application number	Application date
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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.

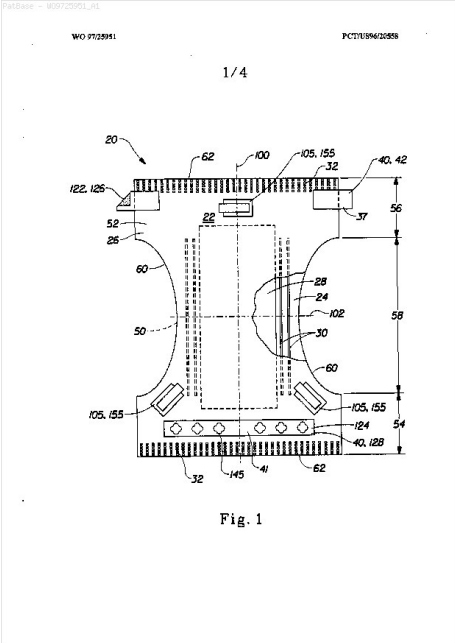
Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; SIM AND MCBURNEY; CARLOS REINALDO OLARTE GARCIA; REINHOLD COHN AND PARTNERS

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
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CA2243464 AA	19980717	CA19962243464	19961218
CA2243464 C	20021217	CA19962243464	19961218
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EP0874611 B1	20020502	EP19960945007	19961218
ES2174131 T3	20021101	ES19960945007T	19961218
JP11510088 T2	19990907	JP19970526004T	19961218
KR100295533 B1	20011026	KR19980705514	19980718
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WO9725951 A1	19970724	WO1996US20558	19961218

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);

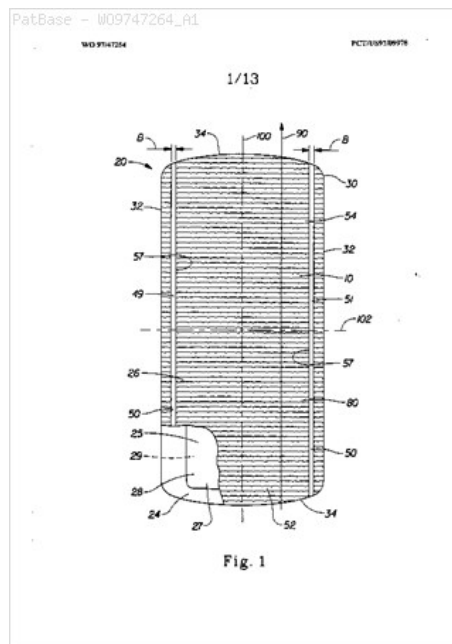
A61F13/15 A61F5/44 (Core/Invention)

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
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BRPI9709710 A	19990810	BR1997PI09710	19970610
CA2257613 AA	19981209	CA19972257613	19970610
CN1230102 A	19990929	CN19971097043	19970610
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CZ9804058 A3	19990512	CZ19980004058	19970610
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EG21206 A	20010131	EG19970000529	19970610
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HU0004248 AB	20010328	HU20000004248	19970610
HU0004248 AC	20010428	HU20000004248	19970610
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IL127443 A0	19991028	IL19970127443	19970610
IL127443 A1	20030706	IL19970127443	19970610
JP11512951 T2	19991109	JP19980501752T	19970610
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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
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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.

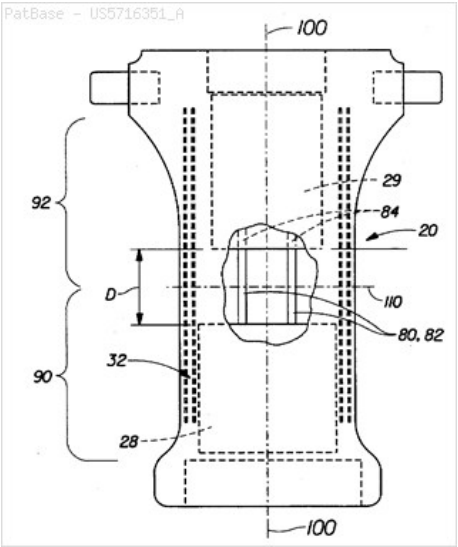
Classifications:

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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:

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TH31428 A	19981215	TH19971002981	19970724
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US5968028 A	19991019	US19970925965	19970909
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Priority:

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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:

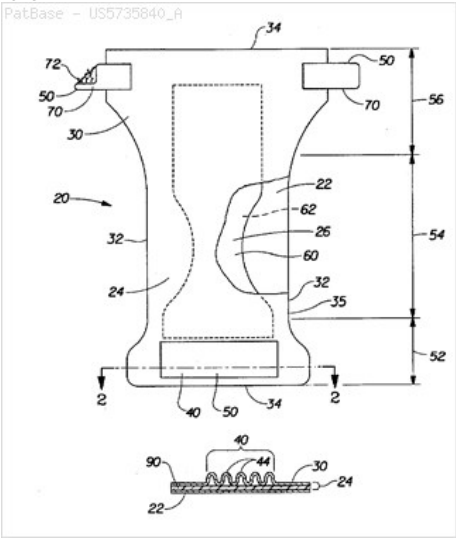
International (IPC 8-9): A61F13/00 A61F13/15 A61F13/472 A61F13/49 A61F13/514 A61F13/551 A61F13/56 A61F13/62 A61F5/44 (Advanced/Invention); A61F13/15 A61F13/56 A61F5/44 (Advanced/Non-invention)

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:

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US5735840 A	19980407	US19960748853	19961114	
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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

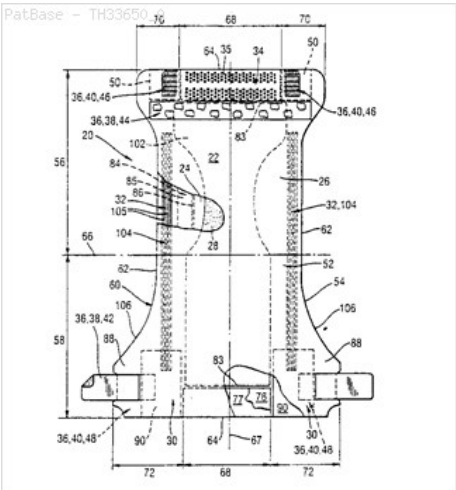
Agent(s): SIM AND MCBURNEY; CARLOS REINALDO OLARTE GARCIA

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:

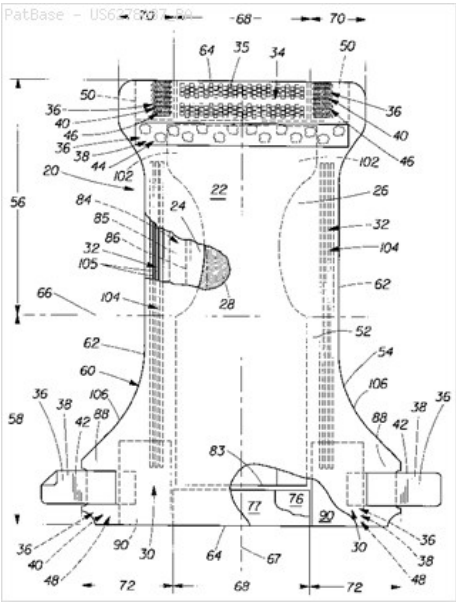
International (IPC 8-9): A47G7/00 A61F13/00 A61F13/15 A61F13/40 A61F13/49 A61F13/53 A61F5/44 (Advanced/Invention); A61F5/44 (Advanced/Non-invention); A47G7/00 A61F13/15 A61F5/44 (Core/Invention); A61F13/00 A61F13/40 (Core/Non-invention); A61F B32B (Subclass/Invention)

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

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US: 604/367 604/369 604/378



Family:

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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

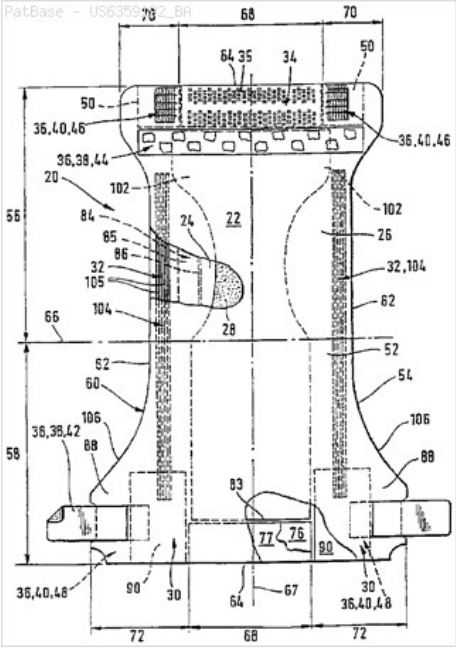
Agent(s): SIM AND MCBURNEY; CARLOS REINALDO OLARTE GARCIA; REINHOLD COHN AND PARTNERS

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
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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
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NO994651 A0	19990924	NO19990004651	19990924
PE21598 A1	19990826	PE19980000215	19980325
TR9902832 T2	20000921	TR19990002832T	19970327
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

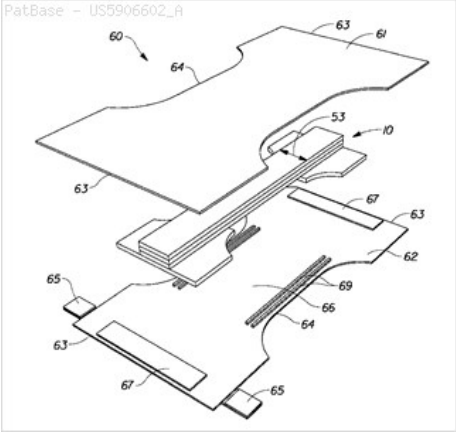
Agent(s): SIM AND MCBURNEY; CARLOS REINALDO OLARTE GARCIA

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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JP2000510366 T2	20000815	JP19980541342T	19980326
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KR20010005579 A	20010115	KR19997008642	19990921
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MY134090 A	20071130	MY19980001364	19980327
NO994562 A	19990920	NO19990004562	19990920
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TH33373 A	19990617	TH19981001057	19980326
TR9902344 T2	20000121	TR19990002344T	19980326
TW365530 B	19990801	TW19980104509	19980326
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:

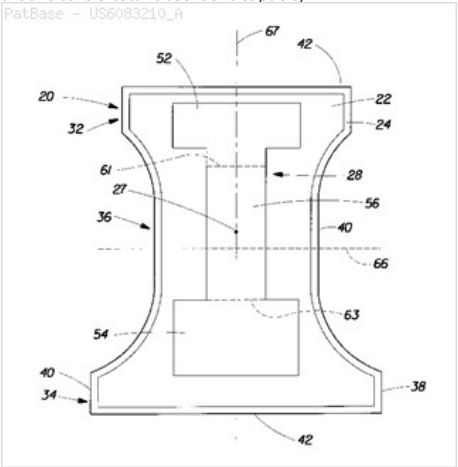
International (IPC 8-9): A61F13/15 A61F13/20 A61F13/49 A61F13/53 A61F5/44 B01J20/26 B01J37/025 (Advanced/Invention); A61F13/15 A61F5/44 B01J37/025 (Advanced/Non-Invention); A61F13/15 A61F5/44 B01J20/22 B01J37/00 (Core/Invention); A61F13/46 (Core/Non-invention)

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
AT241947 E	20030615	AT19980907147T	19980326
AU199863081 A1	19981022	AU19980063081	19980326
BRPI9808294 A	20000516	BR1998PI08294	19980326
CA2284677 AA	19981008	CA19982284677	19980326
CN1254272 A	20000524	CN19988004666	19980326
CO4930335 A1	20000627	CO19980017243	19980327
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IL131897 A0	20010319	IL19980131897	19980326
JP2000510365 T2	20000815	JP19980541340T	19980326
KR20010005694 A	20010115	KR19997008762	19990922
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

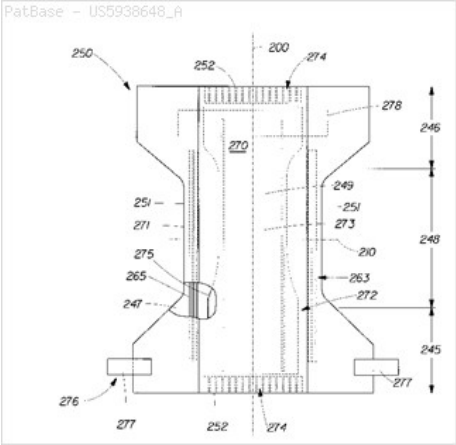
Inventor(s): ROBERT ALAN STEVENS ; ROBINSON MARK LOUIS ; ERIC DONALD JOHNSON ; PAULA MARY SOSALLA ; BARBARA ANN GOSSEN ; CAROL BRUD LYNN ; CYNTHIA HELEN NORDNESS ; DANIEL RICHARD LAUX ; DEBORAH LYNN PROXMIRE

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
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EG22507 A	20030331	EG19980001506	19981203
EP1039866 A1	20001004	EP19980960704	19981203
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ES2177110 T3	20021201	ES19980960704T	19981203
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IL136166 A0	20010520	IL19980136166	19981203
JP2001524351 T2	20011204	JP20000522866T	19981203
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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

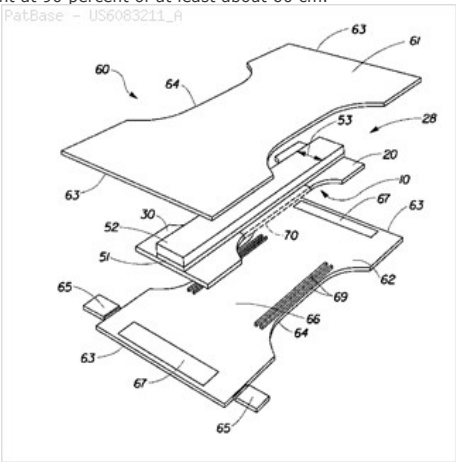
Agent(s): SIM AND MCBURNEY; CARLOS REINALDO OLARTE GARCIA

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
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CA2322524 AA	20000907	CA19992322524	19990312
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CN1299292 A	20010613	CN19998005873	19990312
CO5121076 A1	20020130	CO19990015464	19990312
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DE69913505 T2	20041118	DE19996013505T	19990312
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EP1064030 A1	20010103	EP19990906375	19990312
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HU0101037 AC	20021028	HU20010001037	19990312
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TR200002629 T2	20001121	TR20000002629T	19990312
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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

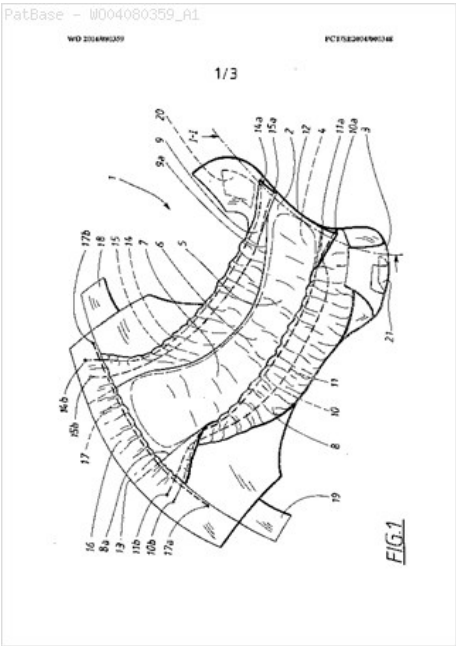
Agent(s): DIMOCK STRATTON LLP; CARLOS REINALDO OLARTE GARCIA

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
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RU2005131836 A	20060610	RU20050131836	20040310
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SE200300715 A0	20030314	SE20030000715	20030314
WO04080359 A1	20040923	WO2004SE00348	20040310

Priority:
SE20030000715 20030314 WO2004SE00348 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

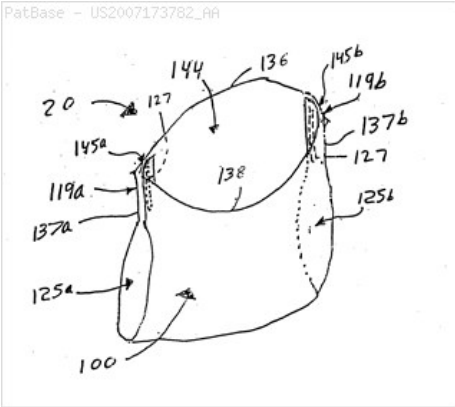
Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; ANDERSSON PER RUNE; GRAY HELEN MARY

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
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US2007173782 AA	20070726	US20050224462	20050912
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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

SG188109 A1	20130328	SG20130008438	20090217	
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UA99851 C2	20121010	UA20100101093	20090218	
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US2011118690 AA	20110519	US20090918330	20090218	
US2011137275 AA	20110609	US20090918328	20090217	
US2011184368 AA	20110728	US20090918384	20090217	
US8574212 BB	20131105	US20090918384	20090217	
WO09104580 A1	20090827	WO2009JP52645	20090217	
WO09104581 A1	20090827	WO2009JP52646	20090217	
WO09104626 A1	20090827	WO2009JP52737	20090218	
WO09104673 A1	20090827	WO2009JP52872	20090219	

Priority:

JP20080037916	20080219	JP20080037919	20080219	JP20080037921	20080219
JP20080037922	20080219	JP20080093816	20080331	JP20090026246	20090206
JP20090026255	20090206	WO2009JP52646	20090217	WO2009JP52645	20090217
WO2009JP52872	20090219	WO2009JP52737	20090218	JP20090216277	20090217
JP20090037922	20090219	JP20090554313	20090217		

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

Inventor(s): (std): SAKAGUCHI SATORU ; OKU TOMOMI ; SAKAGUCHI SATOSHI ; TOMOMI OKU ; SATORU SAKAGUCHI

Inventor(s): OKU, Tomomi ; SAKAGUCHI, Satoru ; THE DESIGNATION OF THE INVENTOR HAS NOT YET... ; TOMOMU OKU

Agent(s): PHILLIPS ORMONDE FITZPATRICK; EKE PHILIPPA DIANNE; KENSETT JOHN HINTON; K L TAN AND ASSOCIATES; LOWE HAUPTMAN AND HAM LLP; MIYOSHI HIDEKAZU ET AL; MIYOSHI HIDEKAZU

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI 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 PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

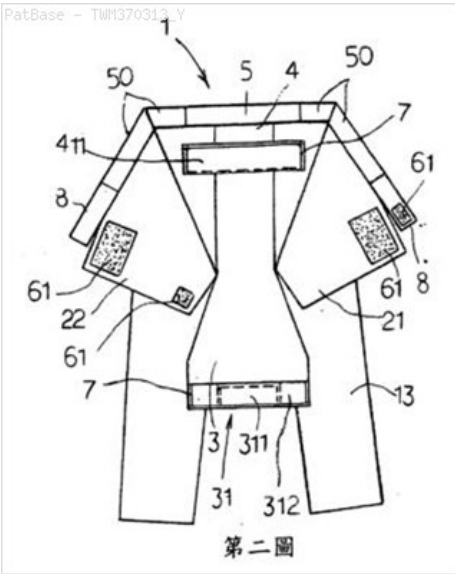
Title: Easy-care **diaper** with function of being worn externally

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 Xiyou 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 cloy 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 cloy 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 of 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

urine pad. ; Sixth, the urine piece or the urine pad may the safe solid position, the unexpected excreta contamination pants. ; Seventh, the substitution paper urine trousers, by save the energy resources. ; Eighth, defends dignity of the wearer, artistic comfortable, but outside puts on. ; In the synthesis, this creation is based on looks after the bilateral standpoint practical demand to make the consideration, therefore can the concurrently convenience, artistic, Shu Nuan, the hygienic practical effect, and reduces in the looking after work of and the economy the burden.

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