

Search history

Search 1: (elastic* and laminate) near (layer or sheet) and (absorb* near pant*) and (Elastic near film) and first and second (Results 148)
Search 2: 1 and ("non-woven" or (non w2 woven)) near (first or second) (Results 22)
Search 3: 2 and pd<2015 (Results 20)

1) Family number: 40837755 (US2009326503A)

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Title: PANT-TYPE ABSORBENT ARTICLE AND A METHOD FOR PRODUCING PANT-TYPE ABSORBENT ARTICLES

Abstract: A method for producing pant-type absorbent articles, each article including a chassis structure having at least one elastic panel and an integrated absorbent core component, the method including a continuous pant-forming process including forming the chassis structure and incorporating the absorbent core component into the chassis structure. The at least one elastic panel is formed by a) separately producing a two-layer laminate having a first non-elastic fibrous nonwoven web and an elastic film, b) activating the two-layer laminate by incremental stretching in at least one activation direction to render the two-layer laminate (elastically stretchable, c) stretching the activated two-layer laminate by 35-200 percent in the activation direction, d) introducing the two-layer laminate in the pant-forming process, and e) laminating the elastic film of the stretched two-layer laminate to an elastic or nonwoven chassis component. An absorbent pant-type article produced in accordance with the method.

Classifications:

International (IPC 8-9): B32B23/04 A61F13/15 A61F13/45 A61F13/49 A61F13/493 A61F13/496 A61K47/48 B01J23/42 B01J35/00 B22F1/00 B23B27/00 B29C65/00 B32B25/02 B32B27/00 B32B37/00 B32B37/02 B32B38/00 B32B38/04 G01N33/49 (Advanced/Invention); A61F13/45 A61F13/49 A61F13/496 (Advanced/Non-invention); A61F13/15 A61K47/48 B01J23/42 B01J35/00 B22F1/00 B32B27/00 B32B37/02 G01N33/49 (Core/Invention); A61F B32B (Subclass/Invention)

International (IPC 1-7): A61F13/49 A61F13/496 B32B27/00

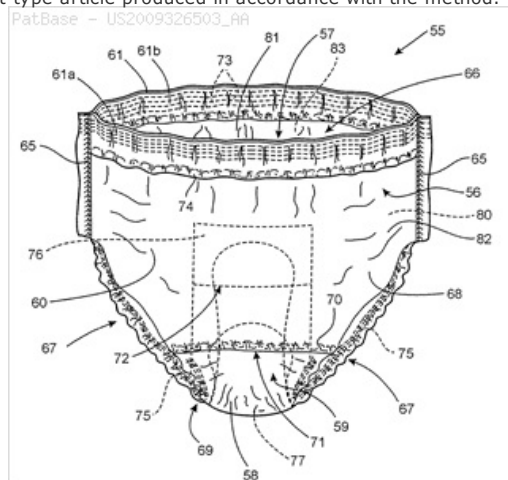
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European: A61F13/15M10 A61F13/493 A61F13/49D2H B32B25/02

US: 156/163 156/182 156/183 156/227 156/227S 156/229 156/229S 156/250 156/252 156/253 156/256 156/267 156/269 156/270 156/271 604/385.23 604/385.230P 604/385.3 604/385.300P

JP F-Term: 3B200 3B200/AA01 3B200/BA11 3B200/BA12 3B200/BB03 3B200/BB09 3B200/BB13 3B200/CA03 3B200/CA05 3B200/EA12 3B200/EA21 3B200/EA24 3B200/EA27 3B200/BB11 3B200/CA06 3B200/DA21 3B200/EA22

JP F-Index: A41B13/02/S A41B13/02/U A61F13/15/311/B A61F13/15/311/Z A61F13/15/331 A61F13/15/354 A61F13/15/390 A61F13/49/312/A A61F13/496 A41B13/02/T A61F13/15/357



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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US20130888989 20130507

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Inventor(s): E LAKSO ; VESTLUND-KARLSSON JAN ; JAN WASTLUND KARLSSON ; MARGARETA WENNERBOCK ; JAN WOSTLUND KARLSSON ; M WENNERBACK ; MARGARETA WENNERBACK ; MARGARETA WENNERBAECK ; J WASTLUND KARLSSON

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Designated states: AE AG AL AM 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 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 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 SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

2) Family number: 31373041 (US2004243089A)

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Title: DISPOSABLE ABSORBENT ARTICLE AND METHOD OF FORMING THE ARTICLE

Abstract: A disposable absorbent article and method of forming the article are disclosed. The article has front and back panels, each having first and second zones. The first zone of each panel is extensible and retractable and the second zone of each panel is non-extensible and non-retractable. Each of the front and back panels has first and second side edges. An absorbent assembly is secured to the front and back panels. The absorbent assembly has a first end secured to the second zone of the front panel and a second end secured to the second zone of the back panel. The absorbent assembly is capable of being folded to enable the first and second side edges of the front panel to align with the first and second side edges of the back panel, respectively. A pair of seams join the front and back panels together at the first and second side edges to form a disposable absorbent article having a waist opening and a pair of leg openings.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/49 A61F13/493 A61F13/496 B32B37/14 B32B38/00 B32B38/04 H04L12/24 H04L12/28

H04L12/46 (Advanced/Invention);

A61F13/49 A61F13/493 A61F13/496 (Advanced/Non-invention);

A61F13/15 (Core/Invention)

International (IPC 1-7): A61F13/15 A61F13/20 A61F13/49 A61F13/493 A61F13/496

CPC: A61F13/15747 A61F13/49012 A61F13/49011 A61F13/49014

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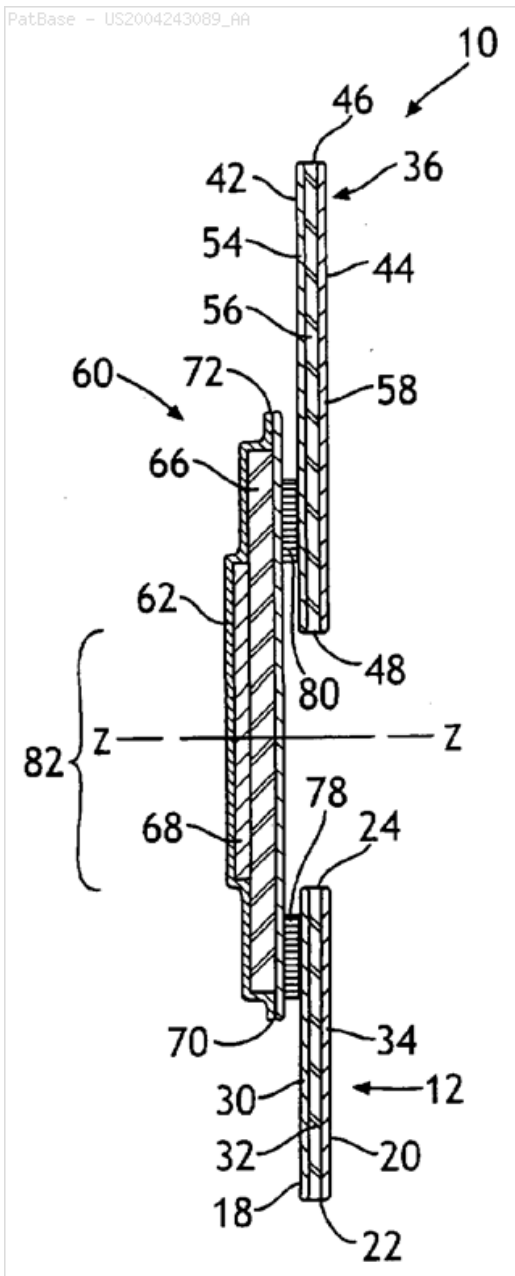
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PatBase - US2004243089_AA



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Priority:

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PATENTANWALTE MBB; DAVIES CHRISTOPHER ROBERT; KIMBERLY CLARK WORLDWIDE INC TARA
POHLKOTTE; H MICHAEL; KIMBERLY CLARK WORLDWIDE INC

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

3) Family number: 42243767 (US2002016122A)

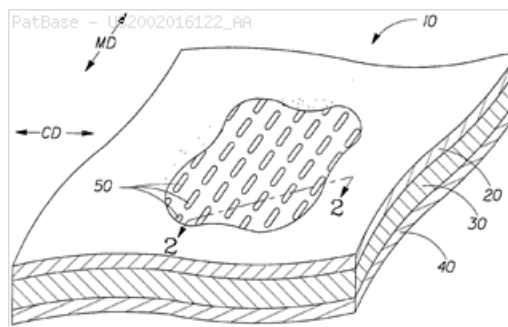
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Title: ELASTIC LAMINATE WEB

Abstract: An elastic laminate web is disclosed. The elastic laminate web can be non-apertured or apertured, and comprises a first web, and a second web joined to the first web in a face to face relationship at a plurality of discrete bond sites having an aspect ratio of at least 2. The first and second webs form an interior region therebetween. An elastic material is disposed between the first and second webs. The elastic material is apertured in regions coincident the bond sites, such that the first and second webs are joined through the apertures. The laminate so produced can be stretched in a predetermined direction, such as by incremental stretching, to produce an apertured elastic laminate.

Classifications:

International (IPC 8-9): A47L1/15 A47L13/16 A47L13/17 A61F A61F13/00 A61F13/15 A61F13/472 A61F13/49 A61F13/511 A61F13/512 A61F13/514 A61F13/53 A61F13/535 A61F13/539 A61F13/56 A61F5/44 A61F5/48 A61K8/00 A61K8/02 A61K8/73 A61Q1/00 A61Q1/02 A61Q15/00 A61Q17/04 A61Q19/00 A61Q19/02 A61Q19/10 A61Q5/12 A61Q90/00 B26F1/08 B26F1/20 B26F1/24 B29C31/00 B29C55/02 B29C55/18 B29C59/00 B29C59/04 B29C65/00 B29C65/02 B29C65/18 B29C65/74 B29C69/00 B29D31/00 B29D99/00 B29L31/48 B32B B32B15/04 B32B25/10 B32B27/02 B32B27/06 B32B3/02 B32B3/06 B32B3/10 B32B3/24 B32B3/26 B32B37/00 B32B37/12 B32B37/14 B32B37/16 B32B37/30 B32B38/00 B32B38/04 B32B5/02 B32B5/04 B32B5/22 B32B5/24 B32B5/26 B32B7/02 B32B7/04 B65D33/36 B65D75/30 B65D75/58 C11D17/04 D04H1/54 D04H1/559 D04H13/00 D21H27/30 D21H27/32 H01B1/00 H01B7/08 (Advanced/Invention); A61F13/539 A61F5/44 A61K8/00 A61K8/02 A61Q1/00 A61Q19/00 A61Q19/10 B29C59/04 B29L31/48 B32B37/12 B32B38/00 B32B5/02 D04H1/54 (Advanced/Non-invention); A47L13/16 A61F13/15 A61F5/44 A61K8/00 A61K8/02 A61K8/72 A61Q1/00 A61Q1/02 A61Q15/00 A61Q17/04 A61Q19/00 A61Q19/02 A61Q19/10 A61Q5/12 A61Q90/00 B26F1/00 B29C55/18 B32B3/24 B32B38/04 B32B5/22 B32B7/04 C11D17/04 D04H13/00 (Core/Invention); B32B (Subclass/Invention); A61F (Subclass/Non-invention)



International (IPC 1-7): A22C13/00 A47L13/16 A47L13/17 A61F13/00 A61F13/15 A61F13/472 A61F13/49 A61F13/511 A61F13/514 A61F13/53 A61F13/539 A61F13/539 A61F5/44 A61F5/48 A61K7/00 A61K7/02 A61K7/32 A61K7/42 A61K7/50 B26F1/08 B29C31/00 B29D22/00 B29D23/00 B29D31/00 B31C1/00 B31D1/00 B32B1/08 B32B15/14 B32B23/02 B32B25/10 B32B27/02 B32B27/06 B32B27/12 B32B27/14 B32B3/00 B32B3/02 B32B3/06 B32B3/10 B32B3/24 B32B3/26 B32B31/00 B32B31/20 B32B5/02 B32B5/04 B32B5/06 B32B5/18 B32B5/22 B32B5/24 B32B5/26 B32B7/02 B32B7/04 B32B9/00 B65D33/36 B65D75/30 B65D75/58 B65H81/00 D04H1/00 D04H1/54 D04H13/00 D04H3/00 D04H5/00 D21H27/30 D21H27/32 H01B1/00 H01B1/20 H01B1/22 H01B7/00 H01B7/02 H02G1/00

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

4) Family number: 40837771 (US2009208703A)

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Title: ELASTIC LAMINATE AND A METHOD FOR PRODUCING AN ELASTIC LAMINATE

Abstract: A method for producing an elastically stretchable laminate having at least three layers, the method including the steps of: a) producing a first laminate having a first non-elastic fibrous nonwoven web and an elastic film; b) activating the first laminate by incremental stretching in at least one activation direction to render the first laminate elastically stretchable; c) stretching the activated first laminate to 10-200 percent in the activation direction; and d) laminating the stretched first laminate to a second non-elastic nonwoven web. An elastically stretchable laminate produced in accordance with the method is also disclosed.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/49 A61F13/72 B32B27/12 B32B23/02 B32B25/10 B32B27/00 B32B27/12 B32B3/10 B32B3/24 B32B37/02 B32B37/12 B32B37/14 B32B37/15 B32B37/16 B32B37/20 B32B38/00 B32B38/04 B32B5/04 B32B5/26 (Advanced/Invention); A61F13/15 A61F13/49 A61F13/72 B32B27/12 B32B3/28 B32B37/20 (Advanced/Non-invention); A61F13/15 A61F13/56 B32B25/00 B32B27/00 B32B27/12 B32B3/10 B32B37/14 B32B38/00 (Core/Invention); A61F13/15 (Core/Non-invention)

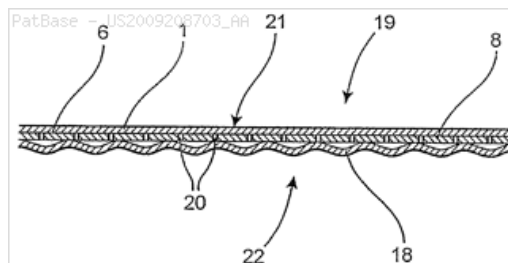
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JP F-Term: 3B200 3B200/AA01 3B200/AA03 3B200/BA07 3B200/BA12 3B200/BB04 3B200/BB09 3B200/BB11 3B200/BB14



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Family:

Publication number	Publication date	Application number	Application date
AR060776 AA	20080710	AR2007P101961	20070507
AU2006343662 AA	20071122	AU20060343662	20060512
AU2006343662 BB	20110811	AU20060343662	20060512
BRPI0621657 A2	20111220	BR2006PI21657	20060512
BRPI0621657 B1	20180116	BR2006PI21657	20060512
CA2649926 AA	20081020	CA20062649926	20060512
CA2649926 C	20130723	CA20062649926	20060512
CN101437682 A	20090520	CN200680054562	20060512
CN101437682 B	20120801	CN200680054562	20060512
DE602006034114 D1	20130307	DE200660034114T	20060512
EP2024178 A1	20090218	EP20060747782	20060512
EP2024178 A4	20110831	EP20060747782	20060512
EP2024178 B1	20130109	EP20060747782	20060512
ES2399242 T3	20130326	ES20060747782T	20060512
IN08877DN2008 A	20090320	IN2008DN08877	20081022
IN283285 B	20170519	IN2008DN08877	20081022
JP2009536888 T2	20091022	JP20090510913T	20060512
JP4975807 B2	20120711	JP20090510913T	20060512
KR101293500 B1	20130807	KR20087027516	20060512
KR20090018902 A	20090224	KR20087027516	20060512
MX2008013624 A1	20081030	MX20080013624	20060512
MY148163 A	20130315	MY20070000657	20070427
RU2008148969 A	20100620	RU20080148969	20060512
RU2404895 C2	20101127	RU20080148969	20060512
TH95830 A	20090529	TH20071002038	20070425
TNSN08454 A1	20100414	TN2008SN00454	20081110
TW200804077 A	20080116	TW20070113800	20070419
TWI388424 B	20130311	TW20070113800	20070419
US2009208703 AA	20090820	US20060300398	20060512
US8741083 BB	20140603	US20060300398	20060512
WO07133128 A1	20071122	WO2006SE00564	20060512

Priority:

BR2006PI21657 20060512 EP20060747782 20060512 WO2006SE00564 20060512
RU20080148969 20060512 IN2008DN08877 20081022

Probable Assignee: SCA HYGIENE PRODUCTS AB

Assignee(s): (std): LAKSO ELISABETH ; SCA HYGIENE PROD AB ; SCA HYGIENE PRODUCTS AB ; WENNERBAECK MARGARETA ;
WAESTLUND KARLSSON JAN

Assignee(s): WASTLUND KARLSSON JAN ; WENNERBACK MARGARETA ; SKA KHAJDZHIN PRODAKTS AB ; ESSITY
HYGIENE AND HEALTH AKTIEBOLAG

Inventor(s): (std): ELISABETH LAKSO ; JAN WAESTLUND KARLSSON ; JAN WASTLUND KARLSSON ; LAKSO E ; LAKSO
EHLIZABET ; LAKSO ELISABETH ; MARGARETA WENNERBACK ; MARGARETA WENNERBAECK ; WAESTLUND
KARLSSON J ; WAESTLUND KARLSSON JAN ; WASTLUND KARLSSON JAN ; WENNERBACK MARGARETA ;
WENNERBAECK M ; WENNERBAECK MARGARETA ; WENNERBOCK MARGARETA ; WOSTLUND KARLSSON JAN
; VENNERBEK MARGARETA ; VESTLUND KARLSSON JAN

Inventor(s): VESTLUND-KARLSSON JAN ; MARGARETA WENNERBOCK ; MWENNERBAECK ; M WENNERBAECK ; JAN
WOSTLUND KARLSSON ; JWAESTLUND KARLSSON ; J WAESTLUND KARLSSON ; E LAKSO ; ELAKSO

Agent(s): WATERMARK INTELLECTUAL PROPERTY PTY LTD; WATERMARK PATENT AND TRADE MARKS ATTORNEYS;
FETHERSTONHAUGH AND CO; HOFFMANN EITLE PATENT U RECHTSANWAELTE PARTMBB; FRIBERG INGVAR;
Valea AB; UNGRIA JAVIER; BUCHANAN INGERSOLL AND ROONEY PC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK
DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KN KP
KR KZ LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH
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5) Family number: 47810802 (US2010307668A)

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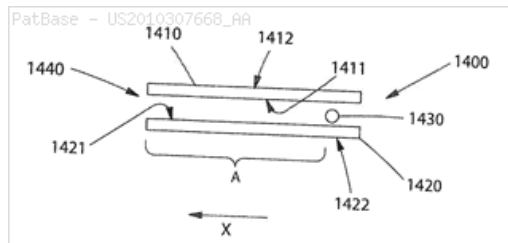
Title: METHOD FOR MAINTAINING A FASTENER IN A FOLDED CONFIGURATION

Abstract: A method for folding a fastener during a high speed manufacturing process and maintaining the fastener in a folded configuration throughout the high speed manufacturing process. The method includes obtaining an article that has a foldable fastener and moving the article in the machine direction during the high speed manufacturing process. The foldable fastener has first and second opposing surfaces, a web and at least one engaging member joined to the web. The method includes applying a frangible bonding agent to a first portion of the first surface of the fastening system; folding the fastening system such that the frangible bonding agent contacts a second portion of the first surface of the fastening system; and allowing the frangible bonding agent to cool at a temperature of less than 60 degrees centigrade

Classifications:

International (IPC 8-9): A61F13/15 A61F13/49 A61F13/511 A61F13/513
A61F13/56 A61F13/58 A61F13/62 A61L15/58 A61L15/60 B29C53/02
B32B37/10 B32B37/12 B32B37/14 B32B38/00
B32B38/18 (Advanced/Invention);

A61F13/515 A61F13/58 B32B37/12 B32B38/00 (Advanced/Non-invention)
CPC: B32B38/18 A61F13/15756 B32B37/1036 B32B37/1292 B32B37/144
 B32B38/0004 B32B2037/1215 B32B2305/20 B32B2309/02 B32B2309/10
 B32B2310/024 B32B2310/0843 B32B2555/02 Y10T156/1049
 Y10T156/1051 B32B37/12 B32B37/10 A61F13/15699 A61F13/515
 A61F13/58 A61F2013/15406 A61F2013/15569 A61F13/5633 A61F13/565
 A61F13/581 A61F13/62 A61F13/49009 A61F13/51121 A61F13/513
 A61L15/58 A61L15/60 A61F2013/49041 A61F2013/49042
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 A61F13/625
European: A61F13/15M7 A61F13/56C A61F13/58B A61F13/62
 B32B37/10C2 B32B37/14B L32B305/20 L32B309/02 L32B309/10
 L32B310/02A2 L32B310/08B6 L32B37/12B2 L32B37/12D2 L32B38/00A L32B555/02
US: 1/1 156/226 156/227 156/291 156/66 604/365 604/365P 604/385.11 604/387 604/389 604/391 604/394 604/396



Family:

Publication number	Publication date	Application number	Application date
DE602010020728 D1	20150115	DE201060020728T	20100817
DE602010021065 D1	20150129	DE201060021065T	20100604
EP2437711 A1	20120411	EP20100728047	20100604
EP2437711 B1	20141217	EP20100728047	20100604
EP2467113 A1	20120627	EP20100747999	20100817
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US2010307668 AA	20101209	US20100794130	20100604
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US2013098530 AA	20130425	US20120716271	20121217
US2013245590 AA	20130919	US20130875568	20130502
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US2017156948 AA	20170608	US20170434543	20170216
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US9610202 BB	20170404	US20140164572	20140127
US9770893 BB	20170926	US20150837238	20150827
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WO11022344 A1	20110224	WO2010US45678	20100817

Priority:

US20090184102P	20090604	US20090235456P	20090820	EP20100728047	20100604
US20100794130	20100604	US20100794103	20100604	WO2010US37406	20100604
EP20100747999	20100817	WO2010US45678	20100817	US20120716271	20121217
US20130875568	20130502	US20140164572	20140127	US20140258106	20140422
US20150837238	20150827	US20170434543	20170216		

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): KLINE MARK JAMES ; LANDGREBE JAMES DAVID ; LANGE STEPHEN JOSEPH ; PROCTER AND GAMBLE ; REZAI EBRAHIM ; SUE SHUNKETSU

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

Inventor(s): (std): LANGE STEPHEN JOSEPH ; LANDGREBE JAMES DAVID ; REZAI EBRAHIM ; KLINE MARK JAMES ; SUE SHUNKETSU ; TAO JAY ; RAYCHECK JEREMY THOMAS

Agent(s): HEIDE UTE; LHUILLIER FLORENT CHARLES; THE PROCTER AND GAMBLE COMPANY,GLOBAL LEGAL DEPARTMENT - IP; KATHLEEN Y; JOHN G; JAMES T; THE PROCTER AND GAMBLE COMPANY

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 CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

6) Family number: 41818324 (US2010324513A)

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Title: ABSORBENT ARTICLE COMPRISING AN ELASTIC LAMINATE

Abstract: A pant-type absorbent article (55) includes a chassis structure, the chassis structure including a front panel (56), a back panel and a crotch panel (58) arranged between the front and back panels (56,57) and front and back waist panels (61a,61b) arranged at the front and back panels (56,57) respectively. At least one of the front and back panels (56,57) includes an activated three-layer elastic laminate (68) including a first fibrous nonwoven web and a second fibrous nonwoven web and an elastic film between the first and second fibrous nonwoven webs. At least one of the first and second fibrous nonwoven webs is a creped nonwoven web.

Classifications:

International (IPC 8-9): A41D31/02 A61F13/15 A61F13/49 A61F13/496
 A61F13/514 A61L15/22 A61L15/58 B29C55/02 B29C55/18 B32B27/12
 B32B37/12 B32B37/14 B32B37/15 B32B38/00 B32B5/26
 D03D17/00 (Advanced/Invention);
 A41D31/00 A61F13/15 B29C55/02 B32B27/12 D03D17/00 (Core/Invention)
CPC: A61F13/49012 A61F13/496 A61F13/51464 A61F13/5148
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B32B2038/0028 B32B2305/20 B32B2307/51

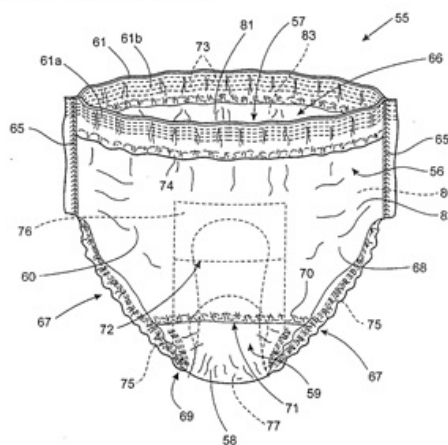
European: A61F13/496 A61F13/49D2B2 A61F13/514B2 A61F13/514C2A
B29C55/02B B29C55/18 B32B37/14B B32B5/26 L32B305/20
L32B307/510 L32B37/12 L32B37/15B L32B38/00C8

US: 604/365 604/365P 604/370 604/370S 604/385.24 604/385.25
604/385.26 604/385.3 604/385.300S 604/385.31 604/396

JP F-Term: 3B200 3B200/AA01 3B200/BA12 3B200/BB01 3B200/BB03
3B200/BB09 3B200/CA06 3B200/DA01 3B200/DA21 3B200/DD01
3B200/DD02 3B200/DD04 3B200/DD07

JP F-Index: A41B13/02/F A41B13/02/U A61F13/49/311/Z
A61F13/49/410 A61F13/496 A61F13/51

PatBase - US2010324513_AA



Family:

Publication number	Publication date	Application number	Application date
AU2006350778 AA	20080522	AU20060350778	20061113
AU2006350778 BB	20130110	AU20060350778	20061113
BRPI0622117 A2	20140729	BR2006PI22117	20061113
BRPI0622117 B1	20180206	BR2006PI22117	20061113
CN101534776 A	20090916	CN200680056357	20061113
CN101534776 B	20130327	CN200680056357	20061113
DE602006041982 D1	20140731	DE200660041982T	20061113
EP2088981 A1	20090819	EP20060824540	20061113
EP2088981 A4	20110511	EP20060824540	20061113
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JP2010508958 T2	20100325	JP20090536193T	20061113
JP5073752 B2	20121114	JP20090536193T	20061113
RU2009122517 A	20101220	RU20090122517	20061113
RU2413488 C1	20110310	RU20090122517	20061113
US2010324513 AA	20101223	US20060446297	20061113
US8109916 BB	20120207	US20060446297	20061113
WO08060205 A1	20080522	WO2006SE50471	20061113

Priority:

BR2006PI22117 20061113 EP20060824540 20061113 WO2006SE50471 20061113
RU20090122517 20061113

Probable Assignee: SCA HYGIENE PRODUCTS AB

Assignee(s): (std): SCA HYGIENE PROD AB ; WENNERBAECK MARGARETA

Assignee(s): ESSITY HYGIENE AND HEALTH AKTIEBOLAG ; SCA HYGIENE PRODUCTS AB ; SKA KHAJDZHIN PRODAKTS AB

Inventor(s): (std): MARGARETA WENNERBACK ; WENNERBACK MARGARETA ; WENNERBAECK MARGARETA ; WENNERBEK MARGARETA

Inventor(s): MARGARETA ; MARGARETA WENNERBAECK ; WENNERBAECK

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; ROMARE LAILA ANETTE; VALEA AB; BUCHANAN INGERSOLL AND ROONEY PC; BERGQUIST GUNNAR

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT 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

7) Family number: 31373039 (US2004243086A)

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Title: DISPOSABLE PANT-LIKE UNDERGARMENT HAVING AN ELASTIC BAND ADJACENT THE WAIST OPENING

Abstract: A disposable pant-like undergarment is disclosed having stretchable front and back panels. An elastic band is secured to at least one of the front and back panels. The elastic band has a retracted length less than the retracted length of the panel to which it is secured. An absorbent assembly including a liquid pervious bodyside liner, a liquid-impervious outer cover, and an absorbent positioned therebetween, is secured to the front and back panels. The absorbent assembly is capable of being folded to enable the front panel to overlap the back panel. A pair of seams joins the front panel, the back panel and the elastic band together at their side edges to form a pant-like undergarment having a waist opening and a pair of leg openings. The elastic band creates a snug fit at the waist opening.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/20 A61F13/49 A61F13/491

A61F13/493 A61F13/496 A61F13/551 A61F13/64 (Advanced/Invention);

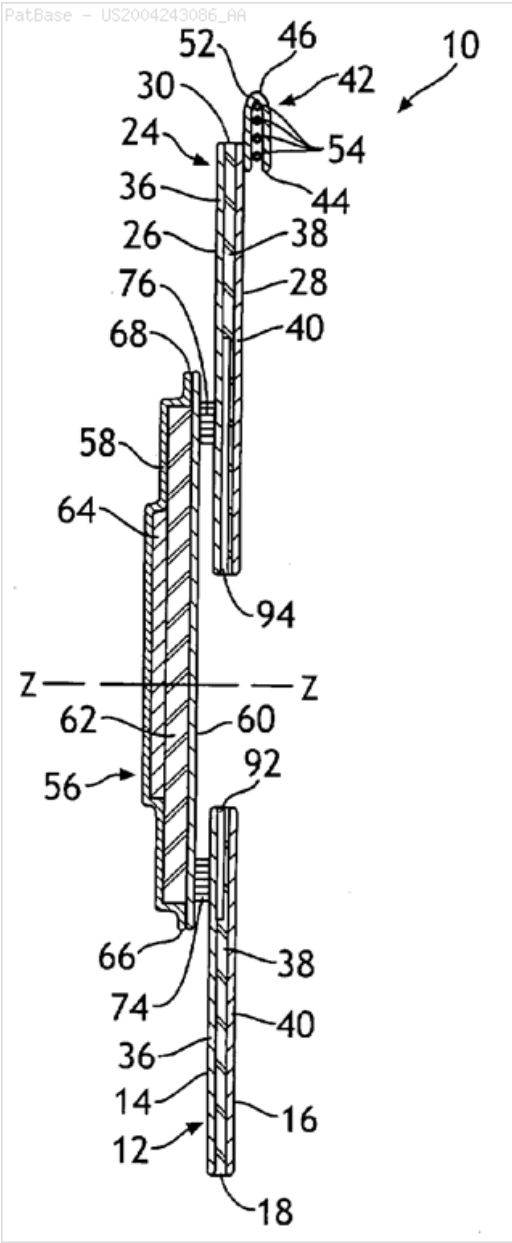
A61F13/49 A61F13/493 A61F13/496 (Advanced/Non-invention);

A61F13/15 (Core/Invention)

International (IPC 1-7): A61F13/15 A61F13/20 A61F13/491 A61F13/493

A61F13/496 A61F13/551 A61F13/56 A61F13/64

CPC: A61F13/49011



Family:

Publication number	Publication date	Application number	Application date
AR044060 AA	20050824	AR2004P101366	20040422
AU2004244955 AA	20041216	AU20040244955	20040330
AU2004244955 BB	20100729	AU20040244955	20040330
BRPI0410372 A	20060530	BR2004PI10372	20040330
BRPI0410372 B1	20151229	BR2004PI10372	20040330
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CA2525895 C	20110607	CA20042525895	20040330
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DE602004048782 D1	20160414	DE200460048782T	20040330
EP1628608 A1	20060301	EP20040785663	20040330
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KR101084881 B1	20111121	KR20057021766	20051115
KR20060003906 A	20060111	KR20057021766	20040330
MXPA05012395 A1	20060202	MX2005PA12395	20040330
TW200427439 A	20041216	TW20040112286	20040430
TWI242429 B	20051101	TW20040112286	20040430
US2004243086 AA	20041202	US20030452714	20030530
US7018369 BB	20060328	US20030452714	20030530
WO04108039 A1	20041216	WO2004US09728	20040330

Priority:

US20030452714 20030530 EP20040785663 20040330 WO2004US09728 20040330

Probable Assignee: KIMBERLY CLARK CORP

Assignee(s): (std): KIMBERLY CLARK CO ; KIMBERLY CLARK CORP ; THORSON RUSSELL EVAN ; VAN GOMPEL PAUL

Assignee(s): KIMBERLY CLARK WORLDWIDE INC ; KIMBERLY CLARK WORLDWIDE INC NEENAH
Inventor(s): (std): GOMPEL PAUL T VAN ; GOMPEL PAUL VAN ; THORSON RUSSELL E ; THORSON RUSSELL EVAN ; VAN GOMPEL PAUL ; VANGOMPEL PAUL ; RUSSELL EVAN THORSON ; PAUL VAN GOMPEL
Inventor(s): PAUL VAN GOMPEL RUSSELL EVAN THORSON ; VAN GOMPEL PAUL HORTONVILLE ; THORSON RUSSELL EVAN APPLETON ; PAUL T VAN GOMPEL ; RUSSELL E THORSON
Agent(s): SPRUSON AND FERGUSON; BORDEN LADNER GERVAIS LLP; PORZIO; DEHNS; DAVIES CHRISTOPHER ROBERT; THOMAS J

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

8) Family number: 30670071 (US2004122404A)

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Title: PREFERENTIALLY STRETCHABLE LAMINATES WITH PERFORATED LAYERS

Abstract: An elastic laminate having an expandable facing layer, e.g., a nonwoven web with off-axis perforations, and an elastic film layer is produced to provide a preferential direction of extendability and retraction in the laminate. The elastic laminate is particularly useful as a waist area panel in disposable pant-like garments.

Classifications:

International (IPC 8-9): A41D7/00 A61F13/15 A61F13/20 A61F13/49 A61F13/56 A61F5/44 B32B25/10 B32B27/12 B32B27/32 B32B3/10 B32B3/24 B32B37/00 B32B5/04 B32B5/18 B32B7/02 D04H13/00 (Advanced/Invention); B32B27/12 B32B3/24 B32B37/00 B32B5/18 B32B7/02 (Advanced/Non-invention); A41D7/00 A61F13/15 A61F13/56 A61F5/44 B32B25/00 B32B27/12 B32B27/32 B32B5/04 D04H13/00 (Core/Invention); B32B5/18 B32B7/02 (Core/Non-invention); A61F B32B D04H (Subclass/Non-invention)

International (IPC 1-7): A61F13/15 A61F13/20 A61F13/493 A61F13/56 A61F13/66 B32B25/10 B32B27/12 B32B27/32 B32B3/24 B32B31/10 D04H13/00

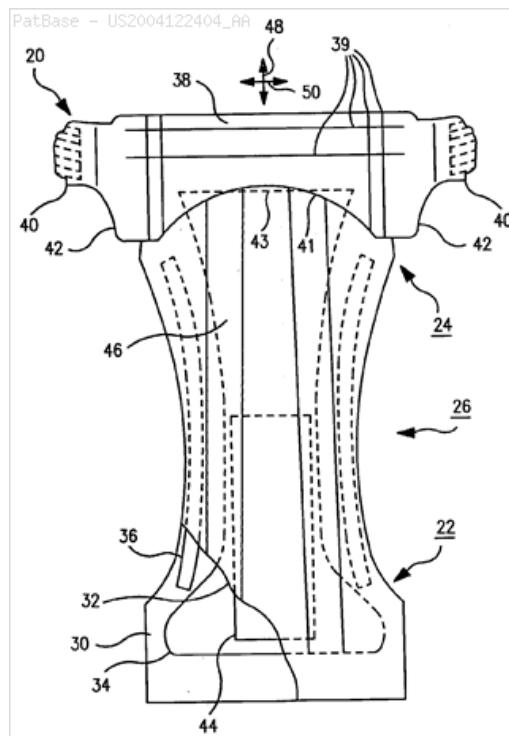
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European: A61F13/49D2B2 B32B27/12 D04H13/00B2

US: 428/134 428/136 604/383 604/385.19 604/385.190P

JP F-Term: 3B019 3B029 3B200 3B200/AA01 3B200/AA03 3B200/AA11 3B200/AA12 3B200/BA11 3B200/BA12 3B200/BB03 3B200/BB04 3B200/BB09 3B200/BB11 3B200/CA02 3B200/CA05 3B200/CA06 3B200/CA07 3B200/CB01 3B200/DA01 3B200/DA10 3B200/DD04 3B200/DE11 3B200/DE16 4C098 4C098/AA09 4C098/CC08 4C098/CC11 4C098/CC14 4C098/CE07 4C098/DD10 4C098/DD12 4C098/DD14 4C098/DD22 4C098/DD23 4C098/DD24 4C098/DD25 4F100 4F100/AK03 4F100/AK06 4F100/AK07 4F100/AK12 4F100/AK29 4F100/AL01 4F100/AN00 4F100/AT00 4F100/BA03 4F100/BA07 4F100/BA32 4F100/BA41 4F100/CB00 4F100/DC14 4F100/DG06 4F100/EC03 4F100/EJ33 4F100/EJ37 4F100/GB72 4F100/JD15 4F100/JK07 4F100/JK08

JP F-Index: A41B13/02/A A41B13/02/H A41D7/00/B A61F13/49/312/A A61F13/49/313/A A61F13/493 A61F13/56/211 A61F5/44/H B32B25/10 B32B5/04



Family:

Publication number	Publication date	Application number	Application date
AR042106 AA	20050608	AR2003P104298	20031120
AU2003275374 AA	20040729	AU20030275374	20030930
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KR101018605 B1	20110304	KR20057010072	20030930
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MXPA05005952 A1	20050818	MX2005PA05952	20030930
PL376798 A1	20060109	PL20030376798	20030930
RU2005117385 A	20051120	RU20050117385	20030930
RU2325282 C2	20080527	RU20050117385	20030930
US2004122404 AA	20040624	US20020325607	20021220
US7855316 BB	20101221	US20020325607	20021220
WO04060666 A1	20040722	WO2003US31159	20030930

Priority:

US20020325607 20021220 WO2003US31159 20030930

Probable Assignee: KIMBERLY CLARK CORP

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

Assignee(s): KIMBERLY CLARK CORP ; KIMBERLY CLARK WORLDWIDE INC ; MEYER STEPHEN C ; POTNIS PRASAD SHRIKRISHNA ; BRONK SUSAN L ; CONYER SJON PAUL LEE ; JALONEN ALVIN C ; KIMBERLI KLARK VORLDAVD INK

Inventor(s): (std): CONYER LEE ; CONYER SJON PAUL LEE ; JALONEN ALVIN C ; JALONEN C ; LEE MEYER STEPHEN C JALONEN AL ; MEYER C ; MEYER STEPHEN C ; BRONK K ; BRONK SUSAN K ; BRONK SUSAN L ; POINTS PRASAD SHRIKRISHNA ; POTNIS PRASAD SHRIKRISHNA ; POTNIS SHRIKRISHNA ; SJON PAUL CONYER ; SUSAN K BRONK ; STEPHEN C MEYER ; SJON PAUL LEE CONYER ; PRASAD SHRIKRISHNA POTNIS ; ALVIN C JALONEN ; SHRIKRISHNA POTNIS PRASAD ; LEE CONYER SJON PAUL ; POTNIS PRASAD S ; MAJER STIVEN ; KON ER S ON POL LI ; DZHEJLOUNIN EHLVIN K ; CONYER SJON PAUL L ; BRONK S JUZEN K

Inventor(s): BRONK S'JUZEN K. ; KON'ER S ON-POL LI ; PRASAD SHRIKRISHNA POINTS ; BRONKSUSAN K ; MEYER STEPHEN C JALONEN ALVIN C BRONK SUSAN K POTN

Agent(s): SPRUSON AND FERGUSON; DORITY AND MANNING PA

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ 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

9) Family number: 41818320 (US2010076390A)

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Title: ELASTIC LAMINATE AND ABSORBENT ARTICLE COMPRISING THE LAMINATE

Abstract: An elastically stretchable laminate (1) includes a first non-elastic nonwoven web (2), a second non-elastic nonwoven web (4) and an elastic film (6) between the first and the second nonwoven webs (2,4). The laminate (1) has been rendered elastic in a first direction (MD) by incremental stretching and partial tearing of the first and second nonwoven webs (2,4). The laminate (1) includes a reinforcement layer (8) arranged between the first and second non-elastic nonwoven webs (2,4) and comprising unbroken reinforcement fibres or filaments (9) extending in a second direction (CD), generally perpendicular to the first direction (MD). Also described is a pant-type article including the elastically stretchable laminate.

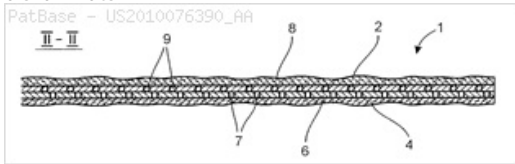
Classifications:

International (ipc 8-9): A41D31/02 A61F13/15 A61F13/45 A61F13/49 A61F13/496 B29C55/02 B32B27/12 D03D17/00 (Advanced/Invention); A41D31/00 A61F13/15 B29C55/02 B32B27/12 D03D17/00 (Core/Invention)
International (ipc 1-7): A41D31/02 A61F13/49 B29C55/02 B32B27/12 D03D17/00

CPC: Y10T428/24058 B29C55/023 A61F13/4902 B32B5/26 B32B37/144 B32B2038/0028 B32B2305/20 B32B2307/51

European: A61F13/49D2H B29C55/02B B32B5/26 L32B305/20 L32B307/510 L32B37/14B L32B38/00C8

US: 428/105 428/105S 604/367 604/367P 604/385.22 604/385.220S 604/385.23 604/385.230S 604/385.24 604/385.25 604/385.26 604/385.31 604/385.36 604/396



Family:

Publication number	Publication date	Application number	Application date
BRPI0622118 A2	20140729	BR2006PI22118	20061113
BRPI0622118 B1	20171212	BR2006PI22118	20061113
CN101534778 A	20090916	CN200680056366	20061113
CN101534778 B	20130501	CN200680056366	20061113
DE602006034170 D1	20130307	DE200660034170T	20061113
EP2088980 A1	20090819	EP20060824539	20061113
EP2088980 A4	20100505	EP20060824539	20061113
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RU2009122480 A	20101220	RU20090122480	20061113
RU2415621 C2	20110410	RU20090122480	20061113
US2010076390 AA	20100325	US20060447694	20061113
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Priority:

BR2006PI22118 20061113 EP20060824539 20061113 WO2006SE50470 20061113

Probable Assignee: SCA HYGIENE PRODUCTS AB

Assignee(s): (std): NORRBY NICLAS ; SCA HYGIENE PROD AB ; SCA HYGIENE PRODUCTS AB ; WAESTLUND KARLSSON JAN

Assignee(s): ESSITY HYGIENE AND HEALTH AKTIEBOLAG ; SKA KHAJDZHIN PRODAKTS AB

Inventor(s): (std): NICLAS NORRBY ; WAESTLUND KARLSSON JAN ; VESTLUND KARLSSON JAN ; NORRBJU NIKLAS ; JAN WAESTLUND KARLSSON ; NORRBY NICLAS

Inventor(s): VESTLUND-KARLSSON JAN ; WAESTLUND KARLSSON ; NORRBY ; JAN ; NICLAS

Agent(s): HOFFMANN EITL PATENT U RECHTSANWAELTE PARTMBB; ROMARE LAILA ANETTE; Valea AB; BUCHANAN INGERSOLL AND ROONEY PC; BERGQUIST GUNNAR

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

Title: DISPOSABLE ABSORBENT ARTICLE HAVING AN INTEGRAL WAISTBAND

Abstract: A disposable absorbent article is disclosed that includes front and back panels each having a first zone and a second zone. The first zone is extensible and retractable and the second zone is non-extensible and non-retractable. The disposable absorbent article also has a waistband integrally formed in the first zone that has extensible regions separated by non-extensible regions. The waistband is constructed such that a greater force is required to extend it than is required to extend the remaining extensible portion of the first zone in both the front and back panels. The disposable absorbent article also includes an absorbent assembly and the front and back panels are secured together by a pair of seams to form a waist opening and a pair of leg openings.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/20 A61F13/49 A61F13/493 A61F13/496 (Advanced/Invention);

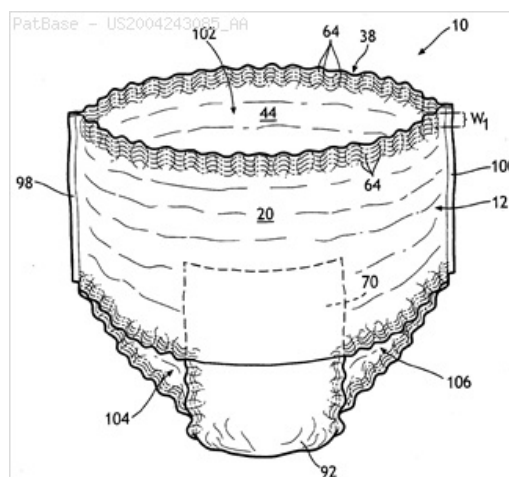
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International (IPC 1-7): A61F13/15 A61F13/20 A61F13/49 A61F13/493 A61F13/496 A61F13/56

CPC: A61F2013/49028 A61F13/49012 A61F2013/49063 A61F13/496

European: A61F13/496 A61F13/49D2B2 K61F13/49E3

US: 604/385.3 604/385.300P



Family:

Publication number	Publication date	Application number	Application date
AR044143 AA	20050824	AR2004P101481	20040430
AU2004244956 AA	20041216	AU20040244956	20040330
BRPI0410412 A	20060530	BR2004PI10412	20040330
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KR20060015256 A	20060216	KR20057021800	20040330
MXPA05012394 A1	20060202	MX2005PA12394	20040330
TW200507813 A	20050301	TW20040112287	20040430
TWI247599 B	20060121	TW20040112287	20040430
US2004243085 AA	20041202	US20030449943	20030530
WO04108042 A1	20041216	WO2004US09729	20040330

Priority:

US20030449943 20030530 WO2004US09729 20040330

Probable Assignee: KIMBERLY CLARK CORP

Assignee(s): (std): KIMBERLY CLARK CO ; KIMBERLY CLARK WORLDWID INC ; VAN GOMPEL PAUL ; VEITH JEROME STEVEN

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Inventor(s): JEROME STEVEN VEITH ; JEROME STEVEN VEITH PAUL VAN GOMPELGOMPEL PAUL VAN ; PAUL T VAN GOMPEL ; PAUL VAN GOMPEL

Agent(s): SPRUSON AND FERGUSON; BORDEN LADNER GERVAIS LLP; PORZIO

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

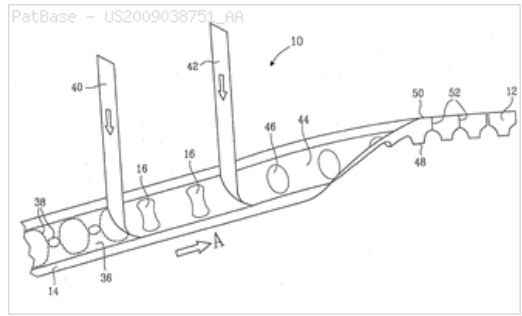
Title: METHOD FOR PRODUCTION OF DISPOSABLE ABSORBENT ARTICLES

Abstract: A method for production of disposable hygienic absorbent articles (12) in which each article has a substantially homogenous elastic laminate web (14) having a maximum elastic extensibility in a first direction of at least 40 percent, preferably at least 60 percent, and most preferably at least 80 percent, under a peak load F_p , and an absorbent core (16) attached to the elastic laminate web. The method including the steps of providing a continuous length of the elastic laminate web (14); advancing the continuous length of the elastic laminate web in a direction of travel (A) corresponding to the first direction; attaching individual absorbent cores (16) to the continuous length of the elastic laminate web at spaced intervals, and forming individual articles (12) from the thus assembled individual absorbent cores and the continuous length of said elastic laminate web. The continuous length of the elastic laminate web (14) is maintained under a tensioning load F_t in the direction of travel during the advancing, with the tensioning load F_t satisfying the condition: $0.03 F_p$ less than or equal to F_t less than or equal to $0.25 F_p$.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/49 A61F13/514 B23B31/10 B32B1/00 B32B27/12 B32B37/02 B32B37/22 B32B38/00 B32B38/04

B32B5/22 (Advanced/Invention);
A61F13/49 B32B37/02 B32B37/12 (Advanced/Non-invention);
A61F13/15 A61F13/49 B32B31/10 B32B1/00 B32B27/12 B32B37/02
B32B38/04 B32B5/22 (Core/Invention)
International (IPC 1-7): A61F A61F13/49 A61L B32B31/10
CPC: A61F13/51401 A61F13/51464 Y10T156/1084 A61F13/15747
B32B38/0004 B32B38/0012 B32B38/1875 B32B2307/726 A61F13/15699
A61F13/15682 A61F13/15739 B32B37/02 B32B37/12 B32B37/22
B32B2305/34 B32B2555/02
European: A61F13/15M5 A61F13/514A A61F13/514B2
US: 1/1 156/164 156/269
JP F-Term: 3B200 3B200/AA01 3B200/AA03 3B200/BA12 3B200/BB04
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JP F-Index: A41B13/02/T A61F13/15/340 A61F13/15/393 B32B27/12 B32B5/22



Family:

Publication number	Publication date	Application number	Application date
AR051297 AA	20070103	AR2005P103974	20050921
AU2004323600 AA	20060406	AU20040323600	20040929
AU2004323600 BB	20101216	AU20040323600	20040929
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IN02615DN2007 A	20070803	IN2007DN02615	20070409
IN279371 B	20170120	IN2007DN02615	20070409
JP2008514269 T2	20080508	JP20070533421T	20040929
JP4791476 B2	20111012	JP20070533421T	20040929
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KR20070061903 A	20070614	KR20077009485	20040929
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MY137073 A	20081231	MY20050003864	20050817
NZ553725 A	20090430	NZ20040553725	20040929
RU2007116142 A	20081110	RU20070116142	20040929
RU2352314 C2	20090420	RU20070116142	20040929
TH102384 A	20100630	TH20051004034	20050829
TH53385 B	20170118	TH20051004034	20050829
TNSN07110 A1	20080602	TN2007SN00110	20070328
TW200612875 A	20060501	TW20050126580	20050804
TWI359008 B	20120301	TW20050126580	20050804
US2009038751 AA	20090212	US20040658539	20040929
US2015313765 AA	20151105	US20150800822	20150716
US2018168883 AA	20180621	US20180898803	20180219
US9114041 BB	20150825	US20040658539	20040929
WO06036090 A1	20060406	WO2004SE01384	20040929

Priority:

EP20040788541 20040929 RU20070116142 20040929 US20040658539 20040929
WO2004SE01384 20040929 US20070658539 20070125 US20150800822 20150716
US20180898803 20180219

Probable Assignee: SCA HYGIENE PRODUCTS AB

Assignee(s): (std): HEDLUND CARINA ; HERMANSSON KENT ; NORRBY NICLAS ; SCA HYGIENE PROD AB ; SCA HYGIENE
PRODUCT AB ; WAESTLUND KARLSSON JAN ; WENNERBAECK MARGARETHA ; SCA HYGIENE PRODUCTS AB
; WENNERBAECK MARGARETA

Assignee(s): ESSITY HYGIENE AND HEALTH AKTIEBOLAG ; SKA KHAJDZHIN PRODAKTS AB ; WENNERBACK MARGARETA
; WASTLUND KARLSSON JAN

Inventor(s): (std): HERMANSSON KENT ; WAESTLUND KARLSSON JAN ; WENNERBAECK MARGARETHA ; HEDLUND CARINA ;
NORRBY NICLAS ; CARINA HEDLUND ; WENNERBACK MARGARETHA ; WASTLUND KARLSSON JAN ;
WENNERBAECK MARGARETA ; NORRBY K HERMANSSON J WAESTLUN ; HEDLUND NORRBY ; NICLAS
MARGARETHA WERNNERB CK ; JAN WOSTLUND KARLSSON ; WENNERBACK MARGARETA ; VESTLUND
KARLSSON JAN ; KHEDLUND KARINA ; KHERMANSSON KENT ; VENNERBEK MARGARETA ; NORRBJU NIKLAS
; JAN WAESTLUND KARLSSON ; WERNNERBAECK MARGARETHA ; WAESTLUND KARLSSON J ; HERMANSSON
K ; HEDLUND C ; NORRBY N ; WENNEBAECK M ; NORRBY NICKLAS

Inventor(s): MARGARETA WENNERBACK ; VESTLUND-KARLSSON JAN ; MARGARETHA WERNNERBAECK ; KHERMANSSON
JWAESTLUND KARLSSON MWENNEBAECK CHEDLUND NNORRBY ; KHERMANSSON ; NNORRBY ;
MWENNEBAECK ; JWAESTLUND KARLSSON ; CHEDLUND ; JAIN WASTLUND KARLSSON ; K HERMANSSON J
WAESTLUND KARLSSON M WENNEBAECK... ; N NORRBY ; K HERMANSSON ; M WENNEBAECK ; C HEDLUND ;
J WAESTLUND KARLSSON ; WOSTLUND KARLSSON JAN ; NORRBY HEDLUND ; MARGARETHA WERNNERBACK
NICLAS ; MARGARETHA WENNERBACK ; NICLAS NORRBY ; KENT HERMANSSON ; JAN WASTLUND
KARLSSON

Agent(s): WATERMARK INTELLECTUAL PROPERTY PTY LTD; WATERMARK PATENT AND TRADE MARKS ATTORNEYS;
FETHERSTONHAUGH AND CO; HOFFMANN EITL PATENT U RECHTSANWAELTE PARTMBB; VALEA AB;
UNGRIA JAVIER; BUCHANAN INGERSOLL AND ROONEY PC

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

12) Family number: 11129273 (US5804021A)

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Title: SLIT ELASTIC FIBROUS NONWOVEN LAMINATES AND PROCESS FOR FORMING

Abstract: The present invention is directed to elastic fibrous nonwoven web laminates which exhibit elastic properties in at least one direction and, if desired, two or more directions due to the use of at least one fibrous nonwoven web facing layer which contains a plurality of slits. The resultant laminates are useful in a wide variety of applications not the least of which include garments, surgical drapes and other supplies as well as personal care absorbent articles including diapers, training pants, sanitary napkins, incontinence garments, bandages and the like. Processes for forming such laminates are also disclosed.

Classifications:

International (IPC 8-9): A61B19/08 A61F13/15 A61F13/472 A61F13/49 B32B27/02 B32B3/24 B32B5/04 B32B5/24 B32B5/26 D04H13/00 (Advanced/Invention); A61F13/00 A61F13/15 A61F13/51 A61F13/511 A61F13/514 B32B27/02 B32B5/24 D04H13/00 (Advanced/Non-invention); A61B19/00 A61F13/15 B32B27/02 B32B5/04 B32B5/22 D04H13/00 (Core/Invention); A61F13/00 (Core/Non-invention)

International (IPC 1-7): A61B19/08 A61F13/15 B32B27/02 B32B27/12 B32B3/24 B32B31/12 B32B5/04 B32B5/24 D04H13/00

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European: B32B5/26 D04H13/00B2

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Family:

Publication number	Publication date	Application number	Application date
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AU694214 B2	19980716	AU19950023604	19950421
CA2147523 AA	19951030	CA19952147523	19950421
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US5804021 A	19980908	US19960644462	19960510
WO9529810 A1	19951109	WO1995US04931	19950421

Priority:

US19940236785 19940429 CA19952147523 19950421 WO1995US04931 19950421
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Probable Assignee: KIMBERLY CLARK CORP

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

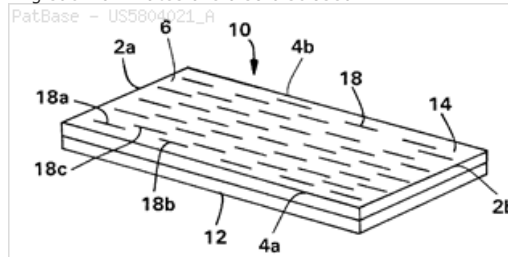
Assignee(s): KIMBERLY CLARK CORP ; KIMBERLY CLARK WORLDWIDE INC ; LEVY RUTH LISA ; SMITH STEPHEN CLARK ; ABUTO FRANK PAUL ; DIAMOND ANDREW EDWARD

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Inventor(s): FRANK PAUL ABUTO ; RUTH LISA LEVY ; ANDREW EDWARD DIAMOND ; STEPHEN CLARK SMITH

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; BORDEN LADNER GERVAIS LLP

Designated states: AM AT AU BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CZ DE DK EE ES FI FR GA GB GE GN GR HU IE IT JP KE KG KP KR KZ LI LK LR LT LU LV MC MD MG ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SI SK



13) Family number: 41843726 (US2010062221A)

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Title: STRETCHABLE ELASTIC LAMINATE HAVING INCREASED CD ELONGATION ZONES AND METHOD OF PRODUCTION

Abstract: A stretchable elastic laminate including at least one nonwoven fabric layer, and at least one elastomeric material extruded as a melt onto a major surface of the nonwoven fabric to form an elastic layer bonded to the surface of the nonwoven fabric. The nonwoven fabric layer has first and second bonding zones formed on the surface thereof, which have first and second bonding strengths. The elastic layer is bonded to the surface of the nonwoven fabric such that the elastic layer forms a stronger bond with the first bonding zone on the surface of the nonwoven than the bond formed between the elastic layer and the second bonding zone on the surface of the nonwoven. The lightly bonded areas of the elastic laminate provide increased elongation in the cross direction and improved recovery after stretch, while the more strongly bonded areas provide adhesive strength. Also disclosed is a method of forming a stretchable laminate having increased elongation and improved recovery after stretch.

Classifications:

International (IPC 8-9): B29C47/88 B29C59/04 B29K105/00 B29K105/16 B32B3/00 B32B37/14 B32B37/15 B32B38/06 D04H1/00 D04H13/00 D04H3/00 (Advanced/Invention);

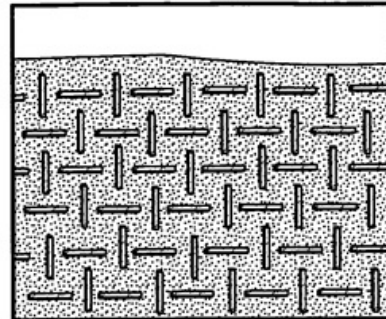
B29K105/00 B29K105/16 (Advanced/Non-invention); B29C59/04 B32B3/00 D04H1/00 D04H13/00 D04H3/00 (Core/Invention)

CPC: Y10T156/1023 Y10T428/24 Y10T428/24479 Y10T428/24628 B29K2105/0008 B29K2105/0032 B29K2105/0044 B29K2105/16 B32B37/144 B32B37/153 B32B2305/20 B32B2307/51 Y10T442/602 D04H5/06 B32B38/06 B29C48/08 B29C48/18 B29C48/30 B29C48/305

European: B32B37/14B B32B38/06 D04H13/00B2 D04H13/00B5 L29C47/06 L29C47/14 L29K105/00E10 L29K105/00E18 L29K105/00E2 L29K105/16 L32B305/20 L32B307/510 L32B37/15B

US: 156/209 156/209S 428/156 428/156P 428/174 428/98 442/329 442/329S

PatBase - US2010062221_AA

Rectangular Deep Embossing Pattern**Family:**

Publication number	Publication date	Application number	Application date
CA2670412 AA	20090522	CA20072670412	20071121
CA2670412 C	20140603	CA20072670412	20071121
DE602007025491 D1	20121108	DE200760025491T	20071121
EP2097571 A1	20090909	EP20070845128	20071121
EP2097571 A4	20091111	EP20070845128	20071121
EP2097571 B1	20120912	EP20070845128	20071121
MX2009005517 A1	20090623	MX20090005517	20071121
US2010062221 AA	20100311	US20070516002	20071121
US8709579 BB	20140429	US20070516002	20071121
WO08064287 A1	20080529	WO2007US85338	20071121

Priority:

US20060866964P 20061122 EP20070845128 20071121 WO2007US85338 20071121
US20070516002 20071121

Probable Assignee: PLIANT CORP

Assignee(s): (std): HOENIGMANN MARTIN F ; MIDDLESWORTH JEFFREY ALAN ; PLIANT CORP ; SABBAGH AMIEL BASSAM ; PLIANT LLC

Assignee(s): BANK OF AMERICA ; BANK OF NEW YORK MELLON ; CREDIT SUISSE CAYMAN ISLANDS BRANCH AG

Inventor(s): (std): HOENIGMANN MARTIN F ; MIDDLESWORTH JEFFREY ALAN ; SABBAGH AMIEL BASSAM

Inventor(s): SABBAGH AMIEL BASSAM WILLIAMSBURG ; MIDDLESWORTH JEFFREY ALAN WAUCONDA ; HOENIGMANN MARTIN F CHIPPEWA FALLS ; JEFFREY ALAN MIDDLESWORTH ; MARTIN F HOENIGMANN ; AMIEL BASSAM SABBAGH

Agent(s): PAIN AND CEBALLOS LLP; PNC IP GROUP PROFESSIONAL CORP; SCHNAPPAUF GEORG; MCANDREWS HELD AND MALLOY LTD; BARNES AND THORNBURG LLP; GALLAGHER PRISCILLA F

Designated states: AE AG AL AM 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 SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

14) Family number: 41818330 (US2009306616A)

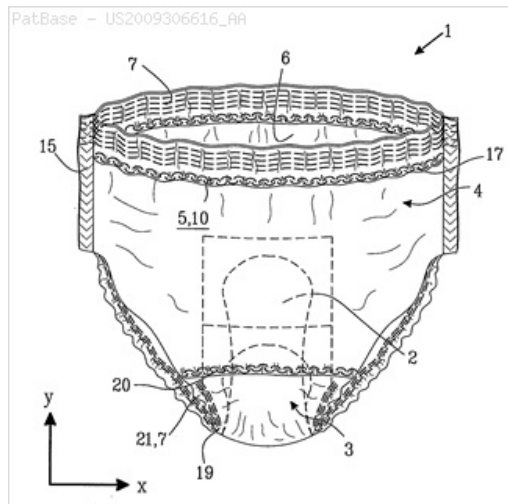
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Title: ABSORBENT ARTICLE COMPRISING AN ELASTIC LAMINATE MATERIAL

Abstract: A pant type absorbent article having a core region includes an absorbent core and a chassis region surrounding the core region. The article in at least a part of the chassis region includes a coversheet in the form of an elastic laminate constituting the sole component of the chassis in at least 20 percent of the total surface area of the article. The elastic laminate has a tensile strength of at least 15 N/25 mm both in the longitudinal and transverse directions of the article and a tensile strength in the transverse direction of the article which is no more than 2.5 times and preferably no more than 2 times higher than the tensile strength in the longitudinal direction of the article. The force required to extend the elastic laminate 10 percent in the longitudinal direction of the article is no more than 5 N/25 mm.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/49 A61F13/51 A61F13/511 A61F13/514 B32B37/20 B32B38/00 (Advanced/Invention); A61F13/49 B32B37/20 B32B38/00 (Advanced/Non-invention); A61F13/15 B32B37/14 B32B38/00 (Core/Invention); B32B37/14 B32B38/00 (Core/Non-invention)
CPC: A61F2013/49022 A61F2013/49057 B32B37/203 A61F13/15203 A61F13/4902 A61F13/511 A61F13/51458 A61F13/51464 A61F13/51478 A61F2013/15292 B32B2305/20 B32B2307/51 B32B2309/14 B32B2555/02 A61F13/51121 A61F13/5116 A61F13/513
European: A61F13/15J A61F13/49D2H A61F13/511 A61F13/514B1 A61F13/514B2 A61F13/514C2 B32B37/20A K61F13/1538A L32B305/20 L32B307/510 L32B555/02
US: 1/1 604/365 604/365S 604/367 604/367P 604/378 604/378S 604/385.22 604/385.220S 604/385.23 604/385.230S



Family:

Publication number	Publication date	Application number	Application date
BRPI0622116 A2	20140617	BR2006PI22116	20061113
BRPI0622116 B1	20180130	BR2006PI22116	20061113
CN101534777 A	20090916	CN200680056363	20061113
CN101534777 B	20130320	CN200680056363	20061113
EP2086486 A1	20090812	EP20060813007	20061113
EP2086486 A4	20120912	EP20060813007	20061113
EP2086486 B1	20161221	EP20060813007	20061113
RU2009122510 A	20101220	RU20090122510	20061113
RU2414203 C2	20110320	RU20090122510	20061113
US2009306616 AA	20091210	US20060514086	20061113
US9102132 BB	20150811	US20060514086	20061113
WO08060194 A1	20080522	WO2006SE01284	20061113

Priority:

BR2006PI22116 20061113 WO2006SE01284 20061113

Probable Assignee: SCA HYGIENE PRODUCTS AB

Assignee(s): (std): SCA HYGIENE PROD AB ; WENNERBAECK MARGARETA

Assignee(s): ESSITY HYGIENE AND HEALTH AKTIEBOLAG ; SCA HYGIENE PRODUCTS AB ; SKA KHAJDZHIN PRODAKTS AB

Inventor(s): (std): MARGARETA WENNERBAECK ; VENNERBEK MARGARETA ; WENNERBAECK MARGARETA

Inventor(s): MARGARETA ; WENNERBAECK

Agent(s): VALEA AB; BUCHANAN INGERSOLL AND ROONEY PC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT 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

15) Family number: 33585519 (US2006246803A)

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Title: LATENT ELASTIC ARTICLES AND METHODS OF MAKING THEREOF

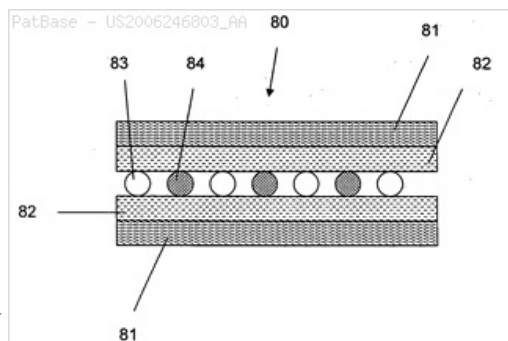
Abstract: A composite nonwoven fabric having latent elasticity is provided having a latently elastic core comprising a first component that includes a thermoplastic elastomer and a second component that includes a single site catalyzed polyolefin, and at least one gatherable facing material laminated to the elastic core. The first and second components may be, for example, in the form of alternating filaments of styrenic block copolymer and single site catalyzed polyolefin or in the form of conjugate filaments having a first section of styrenic block copolymer and a second section of single site catalyzed polyolefin. Also disclosed are methods of making the latently elastic stretch bonded laminates and personal care articles containing the latently elastic stretch bonded laminates.

Classifications:

International (IPC 8-9): A61F13/02 A61F13/15 A61F13/49 A61F13/514 B29C47/88 B32B27/32 B32B5/18 B32B5/24 B32B5/26 D04H1/00 D04H1/56 D04H1/74 D04H13/00 D04H3/00 D04H3/16 (Advanced/Invention); A61F13/15 B32B27/32 B32B5/26 D04H13/00 (Advanced/Non-invention); A61F13/02 A61F13/15 B29C47/88 B32B27/32 B32B5/18 B32B5/22 D04H1/00 D04H1/56 D04H1/70 D04H13/00 D04H3/00 D04H3/16 (Core/Invention)

International (IPC 1-7): A61F13/15 B32B27/32 B32B5/26 D04H13/00

CPC: Y10T442/601 Y10T442/643 Y10T442/651 Y10T442/659 Y10T442/68 Y10T442/697 B32B5/022 A61F13/15593 A61F13/49012 A61F13/4902 B32B5/10 B32B5/12 B32B27/12 B32B2250/20 B32B2262/0215 B32B2262/023 B32B2262/0253 B32B2307/51 B32B2307/54 B32B2307/726 B32B2555/02 D04H1/46 D04H1/559 D04H3/007 D04H3/04 B32B5/26



European: A61F13/15M2B A61F13/49D2B2 A61F13/49D2H B32B27/12 B32B5/02A B32B5/10 B32B5/12 B32B5/26 D04H13/00B2 D04H13/00B4 L32B250/20 L32B262/02B2 L32B262/02D1 L32B262/02H L32B307/510 L32B307/540 L32B307/726 L32B555/02
US: 264/211.12 264/211.120S 442/328 442/328P 442/366 442/373 442/381 442/381S 442/400 442/400S 442/415 442/415S 604/358
JP F-Term: 3B200 3B200/AA01 3B200/AA03 3B200/BA12 3B200/BB04 3B200/BB11 3B200/DD01 3B200/DD02 3B200/DD07 3B200/EA07 3B200/EA11 3B200/EA23 4C079 4F100 4F100/AK03 4F100/AK04 4F100/AK12 4F100/AK64 4F100/AL02 4F100/AL09 4F100/BA03 4F100/BA06 4F100/CB00 4F100/DD11 4F100/DG04 4F100/DG15 4F100/DG20 4F100/EH46 4F100/EJ37 4F100/EJ42 4F100/GB72 4F100/JB16 4F100/JK07 4F100/JL08 4L047 4L047/AA14 4L047/AA18 4L047/AB03 4L047/BA12 4L047/BA17 4L047/BD02 4L047/CA02 4L047/CA05 4L047/CA07 4L047/CA12 4L047/CB01 4L047/CC01 4L047/CC03
JP F-Index: A41B13/02/F A41B13/02/T A61F13/02/A A61L15/24/200 A61L15/30/200 B32B5/24 D04H3/00/D D04H3/007 D04H3/16

Family:

Publication number	Publication date	Application number	Application date
AR056333 AA	20071003	AR2006P101730	20060428
AU2006242684 AA	20061109	AU20060242684	20060425
AU2006242684 BB	20120112	AU20060242684	20060425
BRPI0609423 A2	20100330	BR2006PI09423	20060425
BRPI0609423 B1	20161227	BR2006PI09423	20060425
DE602006024912 D1	20111215	DE200660024912T	20060425
EP1877612 A2	20080116	EP20060751157	20060425
EP1877612 B1	20111005	EP20060751157	20060425
JP2008539106 T2	20081113	JP20080508973T	20060425
KR101265361 B1	20130520	KR20077024660	20060425
KR20080004522 A	20080109	KR20077024660	20060425
MX2007013528 A1	20080111	MX20070013528	20060425
US2006246803 AA	20061102	US20050119486	20050429
US7491666 BB	20090217	US20050119486	20050429
WO06118838 A2	20061109	WO2006US15353	20060425
WO06118838 A3	20070301	WO2006US15353	20060425

Priority:

US20050119486 20050429 EP20060751157 20060425 WO2006US15353 20060425

Probable Assignee: KIMBERLY CLARK CORP

Assignee(s): (std): KIMBERLY CLARK CO ; WALTON GLYNIS ALLICIA ; MACE TAMARA LEE ; SMITH CHARLES ALLEN ; SMITH CHARLES A ; WALTON GLYNIS A ; MACE TAMARA L ; KIMBERLY CLARK CORP ; CALHOUN PATRICIA H ; CALHOUN PATRICIA HWANG ; FITTS JAMES R JR ; FITTS JAMES RUSSELL JR ; HUGHES JANIS W ; HUGHES JANIS WILSON

Assignee(s): KIMBERLY CLARK WORLDWIDE INC ; KIMBERLY CLARK WORLDWIDE INC NEENAH

Inventor(s): (std): CALHOUN PATRICIA H ; CALHOUN PATRICIA HWANG ; CLAHOUN PATRICIA H ; FITTS JAMES R JR ; HUGHES JANIS W ; HUGHES JANIS WILSON ; MACE TAMARA L ; MACE TAMARA LEE ; SMITH CHARLES A ; SMITH CHARLES ALLEN ; FITTS JAMES RUSSELL JR ; WALTON GLYNIS A ; WALTON GLYNIS ALLICIA ; WILSON HUGHES JANIS ; RUSSELL FITTS JAMES JR ; LEE MACE TAMARA ; HWANG CALHOUN PATRICIA ; FITTS JR JAMES RUSSELL ; ALLICIA WALTON GLYNIS ; ALLEN SMITH CHARLES

Inventor(s): FITTS JAMES ; CALHOUN PATRICIA ; HUGHES JANIS ; MACE TAMARA ; WALTON GLYNIS ; SMITH CHARLES ; WALTON GLYNIS ALLICIA ROSWELL ; FITTS JAMES RUSSELL JR GAINESVILLE ; GLYNIS ALLICIA WALTON ; SMITH CHARLES ALLEN CUMMING ; TAMARA LEE MACE ; MACE TAMARA LEE MARIETTA ; PATRICIA HWANG CALHOUN ; HUGHES JANIS WILSON ALPHARETTA ; JAMES RUSSELL FITTS JR ; JAMES RUSSELL JR FITTS ; JANIS WILSON HUGHES ; FITTS JAMES RJR ; FITTS JAMES RUSSELL ; CALHOUN PATRICIA HWANG ALPHARETTA ; CHARLES ALLEN SMITH

Agent(s): FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; SPRUSON AND FERGUSON; HERBERT SMITH FREEHILLS; FREEHILLS PATENT ATTORNEY S; ZIMMERMANN AND PARTNER PATENTANWALTE MBB; DAVIES CHRISTOPHER ROBERT; KIMBERLY CLARK WORLDWIDE INC; SHANE RICHARD M; RICHARD M

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

16) Family number: 15737854 (US6069097A)

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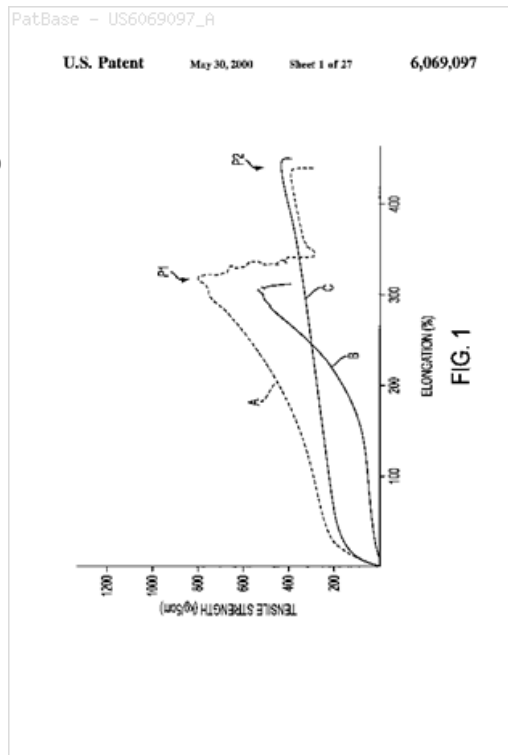
Title: COMPOSITE ELASTIC MATERIAL HAVING MULTISTAGE ELONGATION CHARACTERISTICS AND METHOD OF MANUFACTURING THE SAME

Abstract: PCT No. PCT/JP96/00041 Sec. 371 Date Sep. 16, 1997 Sec. 102(e) Date Sep. 16, 1997 PCT Filed Jan. 12, 1996 PCT Pub. No. WO96/21760 PCT Pub. Date Jul. 18, 1996A composite elastic material comprises a non-woven fabric secured to an elastic member. The non-woven fabric is elastically stretchable by about 100 percent or more. The sheet-like elastic member has an elastic recovery of about 60 percent or more and a break-down elasticity of about 200 percent or more. The elastic member and the non-woven fabric are secured together at a plurality of points in the stretchable direction of the non-woven fabric. The composite elastic material has multiple-stage elongation characteristics including a first stress lowering point caused by changes in the structure of the non-woven fabric, and a second stress lowering point occurring at an elongation larger than that of the first stress lowering point, caused by the fracturing of the sheet-like elastic member. The elastic material clearly shows a break-down point when stretched, and increases the flexibility of designing various products.

Classifications:

International (IPC 8-9): A41D31/00 A61F13/15 A61F13/49 A61F13/49A
A61F13/511 A61F13/56 A61F5/44 B29C65/02 B32B27/12 B32B5/04
B32B5/26 D04H13/00 D04H3/14 D04H3/147 D04H3/153
D04H3/16 (Advanced/Invention);
A41D31/00 A61F13/15 A61F13/56 A61F5/44 B29C65/02 B32B27/12
B32B5/04 B32B5/22 D04H13/00 D04H3/14 D04H3/16 (Core/Invention)

International (IPC 1-7): A41D31/00 A61F13/15 A61F13/49 A61F13/494 A61F13/511 A61F13/56 A61F5/44 B29C65/02 B32B25/10 B32B27/12 B32B3/10 B32B3/12 B32B5/04 B32B5/26 D04H13/00 D04H3/16
CP: Y10T428/24826 B32B37/144 B32B5/26 B32B2305/20 B32B2307/51 B32B2555/02 Y10T156/1142 A61F13/49011 A61F13/49015 A61F13/56 A61F2013/4905 Y10T442/2377 Y10T442/601 Y10T442/602 Y10T442/637 Y10T442/641 Y10T442/659 Y10T428/249921 D04H1/4358 D04H1/559 D04H1/56 A61F13/4902 A61F13/49019 B32B5/022 B32B5/245 B32B25/10 B32B27/12 B32B5/04 A61F13/49009
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US: 156/183 156/344 156/709 428/198 428/221 442/105 442/328 442/329 442/361 442/364 442/381 604/365 604/366 604/370 604/372 604/373 604/385.25 604/385.29 604/385.3
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Family:

Publication number	Publication date	Application number	Application date
CA2175571 AA	19950720	CA19952175571	19950117
EP0803602 A1	19971029	EP19960900439	19960112
EP0803602 A4	20020626	EP19960900439	19960112
JP3100300 B2	20001016	JP19950002973	19950112
JP3100317 B2	20001016	JP19950210600	19950818
JP7252762 A2	19951003	JP19950002973	19950112
JP9059862 A2	19970304	JP19950210600	19950818
MX9602853 A1	19970628	MX19960002853	19950117
US6069097 A	20000530	US19970860700	19970916
US6313372 BA	20011106	US19960663300	19960621
WO9519258 A1	19950720	WO1995US00505	19950117
WO9621760 A1	19960718	WO1996JP00041	19960112

Priority:

JP19940003711 19940118	JP19950002973 19950112	WO1995US00505 19950117
JP19950210600 19950818	WO1996JP00041 19960112	US19960663300 19960621

Probable Assignee: PARAGON TRADE BRANDS INC

Assignee(s): (std): FUKUI HIROAKI ; NIPPON KYUSHUTAI GIJUTSU KENKY ; JAPAN ABSORBENT TECHNOLOGY INS ; JAPAN ABSORBENT TECH INST ; PARAGON TRADE BRANDS INC ; SUZUKI MIGAKU

Assignee(s): PARAGON TRADE BRANDS LLC ; CHASE MANHATTAN BANK AGENT AS ; CHASE MANHATTAN BANK AS AGENT ; CITICORP USA INC ; JAPAN ABSORBENT TECHNOLOGY INSTITUTE ; NIPPON KYUSHUTAI GIJUTSU KENKYUSHO KK ; JP MORGAN CHASE BANK NA ; JPMORGAN CHASE NA ; JAPAN ABSORBENT TECHNOLOGY INST

Inventor(s): (std): SUZUKI MIGAKU ; FUKUI HIROAKI

Inventor(s): MIGAKU SUZUKI

Designated states: AT BE BR CA CH CN DE DK ES FR GB GR IE IT KR LU MC MX NL PT SE US

17) Family number: 31153830 (US2004210205A)

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Title: DISPOSABLE PANT-LIKE UNDERGARMENT

Abstract: A disposable pant-like undergarment is disclosed which has a stretchable front panel and a stretchable back panel. An absorbent assembly having a liquid pervious bodyside liner, a liquid-impervious outer cover, and an absorbent positioned therebetween is secured to an outer surface of the front and back panels. The bodyside liner is partially overlapped by the front and back panels such that a physical barrier is established between a portion of the bodyside liner and the user's skin. The absorbent assembly is folded to enable the first and second panels to overlap one another and a pair of seams are formed which join the front and back panels together to create a pant-like undergarment having a waist opening and a pair of leg openings.

Classifications:

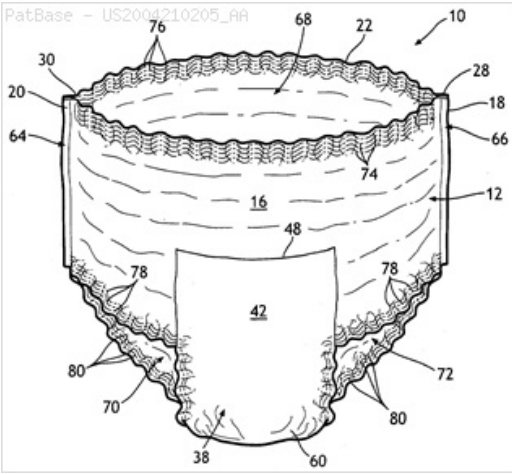
International (IPC 8-9): A61F13/15 A61F13/494

A61F13/496 (Advanced/Invention);

A61F13/15 A61F13/49 A61F13/496 (Advanced/Non-invention);

A61F13/15 (Core/Invention)

International (IPC 1-7): A61F13/15 A61F13/20 A61F13/49 A61F13/494
A61F13/496
CPC: A61F13/49466 A61F13/496
European: A61F13/494B A61F13/496
US: 604/385.22 604/385.220P



Family:

Publication number	Publication date	Application number	Application date
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AU2004231495 AA	20041104	AU20040231495	20040315
BRPI0408953 A	20060404	BR2004PI08953	20040315
CA2520885 AA	20050930	CA20042520885	20040315
EP1615606 A1	20060118	EP20040749377	20040315
KR20050110702 A	20051123	KR20057018402	20040315
MXPA05010542 A1	20051123	MX2005PA10542	20040315
US2004210205 AA	20041021	US20030414986	20030415
WO04093765 A1	20041104	WO2004US07772	20040315

Priority:

US20030414986 20030415 WO2004US07772 20040315

Probable Assignee: KIMBERLY CLARK CORP

Assignee(s): (std): GROSS JACQUELINE ANN ; KIMBERLY CLARK CO ; THORSON RUSSELL EVAN ; VAN GOMPEL PAUL

Assignee(s): KIMBERLY CLARK CORP ; KIMBERLY CLARK WORLDWIDE INC

Inventor(s): (std): GOMPEL PAUL VAN ; GROSS JACQUELINE A ; GROSS JACQUELINE ANN ; JACQUELINE ANN GROSS ; THORSON RUSSELL EVAN ; VAN GOMPEL PAUL ; VANGOMPEL PAUL ; THORSON RUSSELL E ; GOMPLE PAUL T VAN

Inventor(s): RUSSELL E THORSON ; PAUL T VAN GOMPEL ; PAUL VAN GOMPEL ; RUSSELL EVAN THORSON

Agent(s): SPRUSON AND FERGUSON; BORDEN LADNER GERVAIS LLP

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

18) Family number: 40892703 (US2007282292A)

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Title: THREE-PIECE DISPOSABLE ABSORBENT ARTICLE HAVING AN ABSORBENT WITH CROSS-DIRECTION FLEXIBILITY

Abstract: A three-piece disposable absorbent article is disclosed having a longitudinal central axis and a transverse central axis. The disposable absorbent article includes front and back panels, each panel capable of being stretched and retracted in multiple directions. The back panel is also distinct and spaced apart from the front panel. The disposable absorbent article further includes an absorbent assembly situated between the front and back panels and which is attached to each by a first attachment member. The first attachment member is aligned along the longitudinal central axis. The disposable absorbent assembly includes a non-elastic absorbent that is capable of being elongated and contracted in only one direction, that direction being aligned approximately parallel to the transverse central axis.

Classifications:

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

A61F13/15 (Core/Invention)

CPC: A61F13/513 A61F13/53436 A61F2013/49063 A61F2013/49065

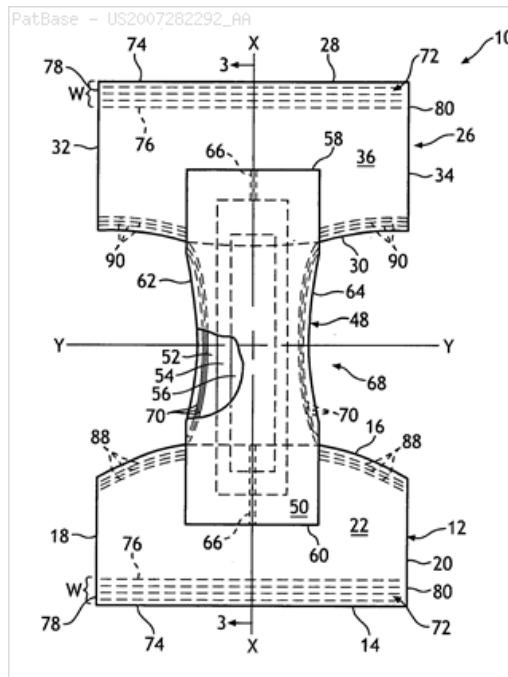
A61F2013/51322 A61F2013/51429

European: A61F13/534B6 K61F13/49E3 K61F13/49E3A K61F13/513D

K61F13/514A4C

US: 604/385.22 604/385.3 604/385.300S 604/392 604/392S 604/396

604/396P



Family:

Publication number	Publication date	Application number	Application date
DE602007026682 D1	20130103	DE200760026682T	20070503
EP2032106 A1	20090311	EP20070735759	20070503
EP2032106 B1	20121114	EP20070735759	20070503
MX2008015027 A1	20081205	MX20080015027	20070503
US2007282292 AA	20071206	US20060445364	20060601
US8439888 BB	20130514	US20060445364	20060601
WO07138497 A1	20071206	WO2007IB51665	20070503

Priority:

US20060445364 20060601 EP20070735759 20070503 WO2007IB51665 20070503

Probable Assignee: KIMBERLY CLARK CORP

Assignee(s): (std): HARKNESS STEPHEN SCOTT ; KIMBERLY CLARK CO

Assignee(s): KIMBERLY CLARK CORP ; KIMBERLY CLARK WORLDWIDE INC ; KIMBERLY CLARK WORLDWIDE INC
NEENAH

Inventor(s): (std): HARKNESS STEPHEN SCOTT

Inventor(s): STEPHEN SCOTT HARKNESS ; HARKNESS STEPHEN SCOTT GREENVILLE

Agent(s): ZIMMERMANN AND PARTNER PATENTANWALTE MBB; DAVIES CHRISTOPHER ROBERT; MABEY KATHERINE
FRANCES; KIMBERLY CLARK WORLDWIDE INC CATHERINE E WOLF; H MICHAEL

Designated states: AE AG AL AM 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
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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

19) Family number: 8640703 (WO9610481A1)

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Title: SLIT ELASTIC FIBROUS NONWOVEN LAMINATES

Abstract: The present invention is directed to elastic fibrous nonwoven web laminates which exhibit elastic properties in at least one direction and, if desired, two or more directions due to the use of at least one fibrous nonwoven web facing layer which contains a plurality of slits. The resultant laminates are useful in a wide variety of applications not the least of which include garments, surgical drapes and other supplies as well as personal care absorbent articles including diapers, training pants, sanitary napkins, incontinence garments, bandages and the like. Processes or forming such laminates are also disclosed.

Classifications:

International (IPC 8-9): A61F13/15 B32B3/24 B32B5/04 D04H1/02

D04H13/00 (Advanced/Invention);

A61F13/15 B32B3/24 B32B5/04 D04H13/00 (Core/Invention);

D04H1/02 (Core/Non-invention)

International (IPC 1-7): B23B3/24 B23B5/04 B32B3/24 B32B5/04

D04H1/02 D04H13/00

CPC: D04H1/559 D04H1/593 A61F13/15585 B32B5/04 A61F13/4902

European: A61F13/49D2H B32B5/04 D04H13/00B2 K61F13/15M2

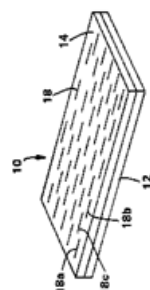


FIG. 1

Family:

Publication number	Publication date	Application number	Application date
AU199533203 A1	19960426	AU19950033203	19950811
BRPI9509215 A	19980721	BR1995PI09215	19950811
CA2201172 AA	19970326	CA19952201172	19950811
CA2201172 C	20060131	CA19952201172	19950811
CN1076661 C	20011226	CN19951096403	19950811
CN1166807 A	19971203	CN19951096403	19950811
DE69523328 D1	20011122	DE19956023328	19950811
DE69523328 T2	20020725	DE19956023328T	19950811
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KR19977006122 A	19971103	KR19977002085	19950811
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MX9702137 A1	19980430	MX19970002137	19950811
TW294735 B	19970101	TW19950109564	19950913
WO9610481 A1	19960411	WO1995US10174	19950811

Priority:

US19940315657 19940930 WO1995US10174 19950811

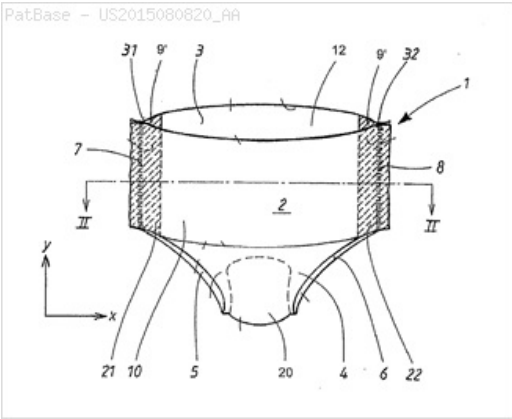
Probable Assignee: KIMBERLY CLARK CORP**Assignee(s):** (std): KIMBERLY CLARK CO ; KIMBERLY CLARK WORLDWIDE CORP**Assignee(s):** KIMBERLY CLARK WORLDWIDE INC ; KIMBERLY CLARK WORLWIDE INC ; LEVY RUTH LISA ; SMITH STEPHEN CLARK ; KIMBERLY CLARK CORP ; KIMBERLY CLARK CORPUS ; ABUTO FRANK PAUL ; DIAMOND ANDREW EDWARD**Inventor(s):** (std): ABUTO FRANK PAUL ; DIAMOND ANDREW EDWARD ; LEVY RUTH LISA ; SMITH STEPHEN CLARK ; SMITH CLARK ; LEVY LISA ; DIAMOND EDWARD ; ABUTO PAUL ; LEVY R L ; DIAMOND A E ; ABUTO F P**Inventor(s):** A E DIAMOND ; RL LEVY ; FP ABUTO ; AE DIAMOND ; STEPHEN CLARK SMITH ; R L LEVY ; RUTH LISA LEVY ; F P ABUTO ; FRANK PAUL ABUTO ; ANDREW EDWARD DIAMOND**Agent(s):** SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; BORDEN LADNER GERVAIS LLP**Designated states:** AM AT AU BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CZ DE DK EE ES FI FR GA GB GE GN GR HU IE IT JP KE KG KP KR KZ LK LR LT LU LV MC MD MG ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SN SZ TD TG TJ TT UA UG UZ VN**20) Family number: 55155650** (US2015080820A)

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Title: ABSORBENT ARTICLE HAVING A MULTI LAYERED SIDE SEAM, AND CORRESPONDING MANUFACTURING METHOD

Abstract: An absorbent article, such as a pant diaper, a sanitary pant or an incontinence pant, includes a front part, a back part, and a crotch part. Lateral side portions of the front part and the back part are superposed, so that their inner surfaces face each other, and are joined to each other along side seams extending in a longitudinal direction of the article. The lateral side portions of the front part and/or the back part include at least one layer of nonwoven material which is reinforced in the area of at least one of the side seams.

Classifications:
International (IPC 8-9): A61F13/15 A61F13/20 A61F13/56
D04H1/00 (Advanced/Invention)
CPC: A61F13/15699 A61F13/15723 A61F13/56 A61F13/565 D04H1/00
Y10T156/10 Y10T156/1051 Y10T156/108
US: 156/227 156/267 156/60 156/73.1 604/365



Family:

Publication number	Publication date	Application number	Application date
BR112014027939 A2	20180417	BR20141127939	20120508
CN104271099 A	20150107	CN201280073018	20120508
CN104271099 B	20160518	CN201280073018	20120508
DE602012019554 D1	20160728	DE201260019554T	20120508
EP2846750 A1	20150318	EP20120719383	20120508
EP2846750 B1	20160615	EP20120719383	20120508
RU2584522 C1	20160520	RU20140149219	20120508
US2015080820 AA	20150319	US20120395899	20120508
US10085898 BB	20181002	US20120395899	20120508
WO13167170 A1	20131114	WO2012EP58440	20120508

Priority:

EP20120719383 20120508 WO2012EP58440 20120508

Probable Assignee: ESSITY HYGIENE AND HEALTH AKTIEBOLAG

Assignee(s): (std): FJELDSA PATRIK ; FJELDSAA PATRIK ; SCA HYGIENE PROD AB

Assignee(s): SCA HYGIENE PRODUCTS AB ; SKA KHAJDZHIN PRODAKTS AB ; ESSITY HYGIENE AND HEALTH AKTIEBOLAG

Inventor(s): (std): FJELDSA PATRIK ; FELDSA PATRIK

Inventor(s): FJELDSA ; PATRIK

Agent(s): HOFFMANN EITLE PATENT U RECHTSANWAELTE PARTMBB; HOFFMANN EITLE; BUCHANAN INGERSOLL AND ROONEY PC; SIEGERT GEORG ET AL

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