

Search query (1): [SP]: A disposable pant-type absorbent article (1) such as a pant diaper, a sanitary pant or incontinence pant specially adapted for a male user, said disposable pant-type absorbent article comprises: a chassis having a front section and a back section, an absorbent core, a front region configured for receiving the genitals of a male user, a longitudinal direction (y) and a transverse direction (x), in which the front section (3) at least partly is made of an elastic material comprising at least one elastic element, wherein a first portion of the elastic material extends over at least a central portion of the absorbent article for pressing a front portion of the absorbent core towards a user during use of the absorbent article, wherein a second portion of an elastic material is located more towards a back than the first portion and includes at least one elongated side elastic element (30) extending along the transverse sides of at least part of the front region (7), wherein the absorbent article further comprises at least one elongated side elastic element (30) attached in a substantially longitudinal direction on each transverse side (7a, 7b) of the front region (7) for providing a side gathering effect along the transverse sides (7a, 7b) of the front region (7), such that the absorbent core within the front region, under the influence of the elongated side elastic elements (30) and the first portion (45) of the elastic material (10), is adapted to bulge outwardly during use of the article to form a bowl shaped portion for receiving the genitals of a male user. The pant-type absorbent article (1) according to claim 1 , characterised in that the elongated side elastic element (30) extends along the core sides towards the crest of the core in the front section and ends in the region between 70 mm below the crest of the core and 20 mm above the crest of core, preferably between 50 mm below the crest of the core and 20 mm above the crest of the core.

Results: 11

Search history

Search [SP]: A disposable pant-type absorbent article (1) such as a pant diaper, a sanitary pant or incontinence pant specially adapted for a male user, said disposable pant-type absorbent article comprises: a chassis having a front section and a back section, an absorbent core, a front region configured for receiving the genitals of a male user, a longitudinal direction (y) and a transverse direction (x), in which the front section (3) at least partly is made of an elastic material comprising at least one elastic element, wherein a first portion of the elastic material extends over at least a central portion of the absorbent article for pressing a front portion of the absorbent core towards a user during use of the absorbent article, wherein a second portion of an elastic material is located more towards a back than the first portion and includes at least one elongated side elastic element (30) extending along the transverse sides of at least part of the front region (7), wherein the absorbent article further comprises at least one elongated side elastic element (30) attached in a substantially longitudinal direction on each transverse side (7a, 7b) of the front region (7) for providing a side gathering effect along the transverse sides (7a, 7b) of the front region (7), such that the absorbent core within the front region, under the influence of the elongated side elastic elements (30) and the first portion (45) of the elastic material (10), is adapted to bulge outwardly during use of the article to form a bowl shaped portion for receiving the genitals of a male user. The pant-type absorbent article (1) according to claim 1 , characterised in that the elongated side elastic element (30) extends along the core sides towards the crest of the core in the front section and ends in the region between 70 mm below the crest of the core and 20 mm above the crest of core, preferably between 50 mm below the crest of the core and 20 mm above the crest of the core. (Results 11)

1) Family number: 14953019 (US6179820B)

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Title: Absorbent article

Priority: SE19950001619 19950503 WO1996SE00501 19960418

Family:

Publication number	Publication date	Application number	Application date
AU199655200 A1	19961121	AU19960055200	19960418
DE69610419 D1	20001026	DE19966010419	19960418
DE69610419 T2	20010125	DE19966010419T	19960418
EP0823846 A1	19980218	EP19960912366	19960418
EP0823846 B1	20000920	EP19960912366	19960418
ES2153103 T3	20010216	ES19960912366T	19960418
GB9608873 A0	19960703	GB19960008873	19960430
IL117906 A0	19960804	IL19960117906	19960415
JP11504825 T2	19990511	JP19960533225T	19960418
PE48397 A1	19971218	PE19960000301	19960502
PL184789 B1	20021231	PL19960322731	19960418
PL322731 A1	19980216	PL19960322731	19960418
SE504062 C2	19961028	SE19950001619	19950503
SE9501619 A	19961028	SE19950001619D	19950503
SE9501619 A0	19950503	SE19950001619	19950503
SE9501619 L	19961028	SE19950001619	19950503
TNSN96065 A1	19980319	TN1996SN00065	19960502
TNSN96065 A1	19981231	TN1996SN00065	19960502
TW290450 B	19961111	TW19960104480	19960415
US6179820 BA	20010130	US19970913718	19971119
WO9634588 A1	19961107	WO1996SE00501	19960418
ZA9603431 A	19961106	ZA19960003431	19960430

Probable Assignee: SCA HYGIENE PRODUCTS AB

Assignee(s):(std): MOLNYCHE AB ; SCA HYGIENE PROD AB ; FERNFORS INGEMAR ; MOELNLYCKE AB

Assignee(s): MOLNLYCKE A B ; MOLNLYCKE AB ; M 247 LNLYCKE AB ; SCA MOLNLYCKE ABS ; SCA HYGIENE PRODUCTS A ; SCA MOLNLYCKE AB ; SCA HYGIENE PRODUCTS AB ; SCA MOELNLYCKE AB ; SCA HYGIENE PRODUCTS AB GOETEBORG ; MOLNYCHE ABSE

Inventor(s):(std): FERNFORS INGEMAR ; FERNFORTS INGEMAR

Inventor(s): INGEMAR FERNFORS

Designated states: AL AM AT AU AZ 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 IS IT JP KE KG KP KR KZ 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 US UZ VN

International class (IPC 8-9): A61F13/15 A61F13/494 A61F5/44 H05K7/12 (Advanced/Invention); A61F5/44 (Advanced/Non-invention);

A61F13/15 A61F5/44 H05K7/12 (Core/Invention);
A61F13/15 (Core/Non-invention)

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

CPC: A61F13/49017 A61F13/49019 A61F13/491 A61F13/496 A61F13/5148 A61F2013/49028 A61F2013/49038 A61F2013/49039 A61F2013/5145 A61F2013/530525 A61F2013/53054

European class: A61F13/49D2F K61F13/491 K61F13/496 K61F13/49D2E K61F13/49D2H2B K61F13/49D2J K61F13/49D2K K61F13/514A6D K61F13/514C2A K61F13/53Q2B K61F13/53Q2D

US class: 604/385.27 604/385.29 604/385.3 604/396

JP class F-Term: 3B029 3B029/BD10 3B029/BD13 3B029/BD14 3B029/BF07 3B200 3B200/AA01 3B200/AA13 3B200/BB01 3B200/BB09 3B200/BB11 3B200/CA03 3B200/CA08 3B200/CA09 3B200/DA01 3B200/DA21 3B200/EA12 4C098 4C098/AA09 4C098/CC02 4C098/CC05 4C098/CC07 4C098/CC10 4C098/CC12 4C098/CC14 4C098/CC15 4C098/CD01 4C098/CE05 4C098/CE06 4C098/DD01 4C098/DD02 4C098/DD03 4C098/DD05 4C098/DD06 4C098/DD10 4C098/DD12 4C098/DD13 4C098/DD22 4C098/DD23 4C098/DD25 4C098/DD26 4C098/DD30

JP class F-Index: A41B13/02/K A61F13/49/317 A61F5/44/H

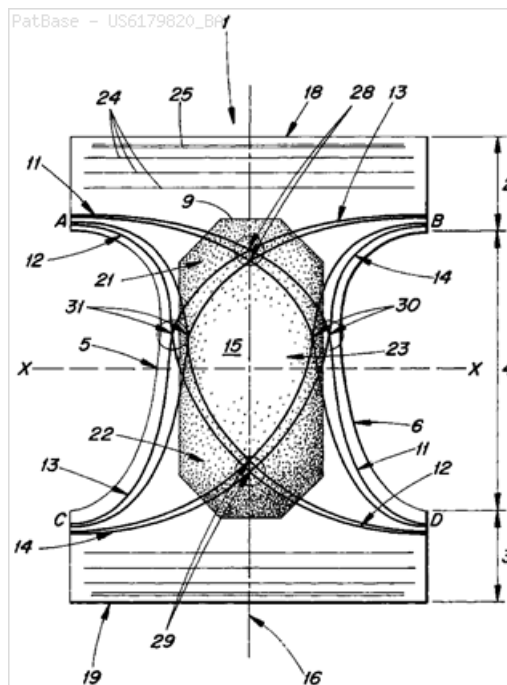
[Classification Explorer](#)

Cited documents: WO8800010 A1, US4935021 A, US4425128 A, JP5076567 A2, GB2276529 A1, EP0694297 A1, EP0626160 A1, EP0437771 A2,

Forward Citations: WO9916398, WO17058069, WO11145627, WO10023626, WO09043101, WO08087006, WO08087006, WO06020690, WO03037237, WO0174280, USD829324, US9908739, US9827149, US9808378, US9782308, US9757283, US9750650, US9622922, US9486368, US9439811, US9375367, US9345627, US9220637, US8986276, US8740870, US8622984, US8586490, US8512304, US8449518, US8419701, US8303562, US8182456, US8142590, US8007614, US7780643, US7722587, US7666173, US7632259, US7449014, US7410479, US7309332, US7156831, US7122024, US7000260, US6821271, US6808516, US6689115, US6595975, US6582414, US6454750, US6312420, US6132409, US2015230996, US2013211365, US2011022019, US2009275911, US2009192480, US2009069782, US2009069781, US2009069779, US2009069777, US2009069772, US2008188822, US2008161768, US2008125739, US2008103473, US2008004593, US2008004592, US2008004591, US2008004590, US2008004587, US2008004586, US2008004584, US2008004583, US2008004582, US2007287983, US2006200109, US2006161131, US2006155255, US2006035055, US2005273072, US2005273071, US2005267436, US2005215963, US2005148985, US2005143703, US2005096624, US2005055006, US2005038401, US2004153043, US2004006326, US2003216707, US2003196253, US2003093055, US2003023224, US10226388, US10117792, RU2685022, KR100779050, JP2018038655, EP3355843, EP2320847, EP2320847, EP2221034, EP2221034, EP2221031, EP2221031, EP1574193, EP1574193, EP1413275, EP1374815, EP1374815, EP1247507, EP1247507, EP1247507, EP1208825, EP1208825, EP1023020, DE202014004532, DE10196523, CN102905665, AU761154, AU2015410598, AU2008207076, AU2002341480,

Abstract:

An absorbent article such as a pair of absorbent pants, a nappy, an incontinence protection article or the like having a substantially elongated shape is provided. The absorbent article includes a front waist region, a rear waist region and a crotch region positioned therebetween having two leg edge-ports. The absorbent article includes an inner fluid-permeable layer, a fluid-barrier layer and an absorbent core enclosed therebetween. The article also includes elastic elements which are arranged along four different paths. One segment of each path follows at least a portion of a leg edge-portion and the paths together enclose a collection region positioned between the article's leg edge-ports, which region, under the influence of the elastic elements, bulges and forms a fluid-collecting basin.



2) Family number: 30022171 (US2003023224A)

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Title: PANTS-TYPE DISPOSABLE DIAPER

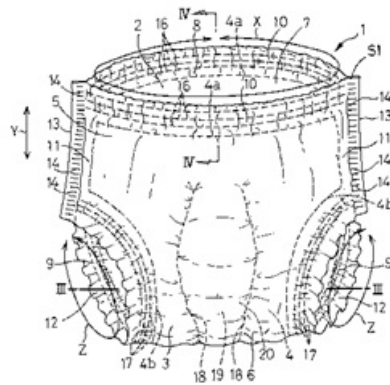
Priority: JP20010229260 20010730 CA20022394598 20020724

Family:	Publication number	Publication date	Application number	Application date
	AU2002300264 AA	20030612	AU20020300264	20020725
	CA2394598 AA	20030130	CA20022394598	20020724
	CN1206971 C	20050622	CN20021027228	20020730
	CN1399944 A	20030305	CN20021027228	20020730
	EP1281379 A2	20030205	EP20020255216	20020726
	EP1281379 A3	20031217	EP20020255216	20020726
	JP2003038554 A2	20030212	JP20010229260	20010730
	JP3745984 B2	20060215	JP20010229260	20010730
	KR20030011656 A	20030211	KR20020044607	20020729
	TH54730 A	20030121	TH20021002770	20020726
	TW534810 B	20030601	TW20020116389	20020723
	US2003023224 AA	20030130	US20020206270	20020726
Probable Assignee:	UNI CHARM CORP			
Assignee(s):(std):	UNI CHARM CORP ; UNI CHARM LTD ; UNICHARM CORP			
Assignee(s):	ISHIKAWA HIROKI ; KINOSHITA AKIYOSHI ; UNI CHARM CO LTD			
Inventor(s):(std):	HIROKI ISHIKAWA ; KOYOSHI KIOROSHI ; KINOSHITA KOKICHI ; KINOSHITA AKIYOSHI ; ISHIKAWA HIROKI			
Inventor(s):	KIOROSHI KOYOSHI			
Agent(s):	PHILLIPS ORMONDE FITZPATRICK; OGILVY RENAULT LLP SENCRL SRL			
Designated states:	AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR			
International class (IPC 8-9):	A61F13/15 A61F13/49 A61F13/496 A61F5/44 (Advanced/Invention); A61F13/496 (Advanced/Non-invention); A61F13/15 A61F5/44 (Core/Invention)			
International class (IPC 1-7):	A41B13/00 A61F13/15 A61F13/471 A61F13/49 A61F13/491 A61F13/496 A61F5/44			
CPC:	A61F13/49019 A61F13/4915 A61F2013/49031 A61F2013/49039 A61F13/496			
European class:	A61F13/491A A61F13/496 A61F13/49D2F K61F13/49D2H3 K61F13/49D2K			
US class:	604/385.24 604/385.240P 604/385.29 604/385.290S 604/392 604/392S 604/394 604/394S			
JP class F-Term:	3B029 3B029/BA01 3B029/BD10 3B029/BD13 3B029/BD14 3B029/BF07 3B200 3B200/AA01 3B200/AA14 3B200/CA03 3B200/CA06 3B200/CA08 3B200/DA01 3B200/DA16 3B200/DB07 4C098 4C098/AA09 4C098/CC03 4C098/CC10 4C098/CC12 4C098/CE05 4C098/CE09 4C098/DD10 4C098/DD23 4C098/DD25 4C098/DD26 4C098/DD28			
JP class F-Index:	A41B13/02/G A41B13/02/T A41B13/02/U A61F13/49/317 A61F13/491/100 A61F13/494/100 A61F13/496 A61F13/532/200 A61F5/44/H			
Classification Explorer				
Cited documents:	US6468256 BA, US6179820 BA, US5855573 A, US5814036 A, US5411498 A, US4935021 A, US2001016722 AA, JP61132601, JP2001170107, JP2000262553, JP2000093462, JP11188061, EP1108409 A2, EP0824906 A2,			
Forward Citations:	WO12149877, US9345627, US7591811, US6926702, US2014163510, US2008108964, KR20150083094, KR101947227, JP5540373, JP5064982, JP3978406, JP3978390, JP2010279553, JP2009125338, JP2008253288, JP2004321460, JP2004166999, EP3355843, CN103565586, CN102151199, CN102151199, CN101547670,			

Abstract:

A pants-type disposable diaper includes a chassis and a liquid-absorbent member. The chassis is shaped in a pants-type and has a waist-hole and a pair of leg-holes. Elastic members extending in a longitudinal direction of the diaper are arranged between a longitudinal center line bisecting a width of the liquid-absorbent member in the waist-surrounding direction and respective side edges of the liquid-absorbent member so that a zone extending between the elastic members on the liquid-absorbent member is convexed toward the side facing away from a wearer's body as the elastic members contract and this zone defines a penis receiving zone adapted to receive the wearer's penis as the diaper is worn.

FIG.1

**3) Family number: 49960175** (US2013041340A)

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Title: DISPOSABLE WEARING ARTICLE**Priority:** JP20100116775 20100520 EP20110783561 20110517 WO2011JP61339 20110517

Family:	Publication number	Publication date	Application number	Application date
	CN102905665 A	20130130	CN201180024916	20110517
	DE602011030795 D1	20161110	DE201160030795T	20110517
	EP2572689 A1	20130327	EP20110783561	20110517
	EP2572689 A4	20140409	EP20110783561	20110517
	EP2572689 B1	20160928	EP20110783561	20110517
	JP2011240054 A2	20111201	JP20100116775	20100520
	JP5530252 B2	20140625	JP20100116775	20100520
	MY158639 A	20161031	MY20120004892	20110517
	SG185381 A1	20121228	SG20120080206	20110517
	TH124487 A	20130606	TH20121006024	20110517
	TW201208654 A	20120301	TW20110116877	20110513
	TWI531359 B	20160501	TW20110116877	20110513
	US2013041340 AA	20130214	US20110643655	20110517
	US8986276 BB	20150324	US20110643655	20110517
	WO11145627 A1	20111124	WO2011JP61339	20110517

Probable Assignee: UNICHARM CORP**Assignee(s):(std):** UNI CHARM CORP ; UNI CHARM LTD ; UNICHARM CORP ; KAWAKAMI YUSUKE ; KOSAKA SHOSHI**Assignee(s):** UNI CHARM CO LTD ; UNICHARM SHIKOKUCHUO SHI CORP**Inventor(s):(std):** KAWAKAMI YUSUKE ; KOSAKA SHOSHI ; TAKASAKA SHOSHI ; SHOSHI KOSAKA ; YUSUKE KAWAKAMI**Agent(s):** PATENTANWALTE STAEGER AND SPERLING PARTNERSCHAFTSGESELLSCHAFT MBB; PETER JULIAN; LOWE HAUPTMAN AND HAM LLP; SHIRAHAMA YOSHIHARU 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 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

International class (IPC 8-9): A61F13/15 A61F13/49 A61F13/493 A61F13/494 A61F13/496 A61F13/53 A61F13/551 (Advanced/Invention); A61F13/49 A61F13/496 (Core/Invention)

CPC: A61F13/496 A61F13/49001 A61F13/49009 A61F13/49011 A61F13/49017 A61F13/49019 A61F13/49061 A61F13/49406 A61F13/4946 A61F2013/15292 A61F2013/15357 A61F2013/49493

European class: A61F13/496 A61F13/49D2**US class:** 604/385.24 604/385.25 604/385.26 604/385.28 604/385.29 604/385.3

JP class F-Term: 3B200 3B200/AA01 3B200/BA11 3B200/BA12 3B200/BA13 3B200/BB01 3B200/BB11 3B200/CA03 3B200/CA05 3B200/CA06 3B200/CA09 3B200/DA01 3B200/DA02 3B200/DA21 3B200/DB01 3B200/DB05 3B200/DB11

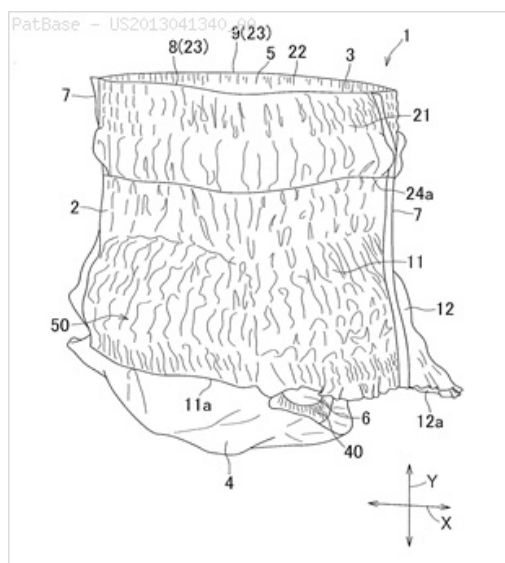
JP class F-Index: A41B13/02/B A41B13/02/U A61F13/49/312/Z A61F13/49/315/Z A61F13/49/410 A61F13/49/4110

Cited documents: WO9634588 A1, WO09063666 A1, WO09063666 A1, US5749865 A, US2011022019 AA, US2010312214 AA, US2006264859 AA, US2005256492 AA, JP9038134 A2, JP3515834 B2, JP3515834 B2, JP2009119078 A2, JP2009119078 A2, JP200782890, JP2007082890 A2, JP2007082890 A2, JP2007029507 A2, JP2007029507 A2, JP2006346439 A2, JP2006346439 A2, JP11504825 T2, JP11504825 A2, EP2087871 A1, EP2087871 A1, CN1895196 A,

Forward Citations: WO18182469, WO17058069, WO17056937, WO17002479, WO14050014, WO13173288, WO13172392, US9737444, US9610203, US9566195, US9358161, US9289332, US9283124, US2018008480, US2017128281, US2015320621, US2015202095, US10226389, US10206825, US10143600, US10085895, US10076454, US10064764, US10058460, US10034801, TWI593397, TWI551276, RU2685022, JP6415401, JP6404201, JP6382172, JP6230340, JP6198382, JP6005000, JP5946568, JP2017176882, JP2017064330, JP2017064328, JP2017012460, JP2017012233, JP2015515921, JP2015047367, JP2014079567, JP2013255776, EP3357464, EP3357464, EP3318232, EP2900192, EP2900192, EP2851047, EP2851047, EA032551, CN108135752, CN107530205, CN107530205, CN104487038, CN104487038, CN104302264, CN104302259, CN104284643, AU2015410598,

Abstract:

In a disposable wearing article, front and rear waist elastics are attached between respective outer and inner sheets. An absorbent structure and leg-cuffs are attached to an inner side of the inner sheet. Lateral proximal portions of the respective leg cuffs are bonded between the absorbent structure and the inner sheet and lateral distal portions of the respective leg cuffs extend outwardly in a transverse direction beyond the absorbent structure and are not bonded to the inner sheet. These lateral distal portions are provided with a plurality of cuff elastics. Front and rear waist regions respectively include first through third sub-regions which are adjacent one to another in this order and the respective sub-regions are provided with first through third waist elastics. A tensile stress in the first and third sub-regions is higher than that in the second sub-region and the cuff elastics extend to at least the second sub-region.

**4) Family number: 43874316** (US2009264851A)

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Title: DISPOSABLE ABSORBENT ARTICLES HAVING GENDER-SPECIFIC CONTAINMENT FLAPS
Priority: US20080148384 20080418 EP20090732593 20090414 WO2009IB51554 20090414
Family:

Publication number	Publication date	Application number	Application date
AR071181 AA	20100602	AR2009P101197	20090403
AU2009237346 AA	20091022	AU20090237346	20090414
AU2009237346 BB	20140213	AU20090237346	20090414
CL2009000820 A1	20101112	CL2009000820	20090403
DE602009027960 D1	20150108	DE200960027960T	20090414
EP2268249 A2	20110105	EP20090732593	20090414
EP2268249 A4	20121219	EP20090732593	20090414
EP2268249 B1	20141126	EP20090732593	20090414
JP2011517985 T2	20110623	JP20110504592T	20090414
KR101568445 B1	20151111	KR20107023141	20090414
KR20110003341 A	20110111	KR20107023141	20090414
MX2010011084 A1	20101105	MX20100011084	20090414
RU2010146691 A	20120527	RU20100146691	20090414
RU2489999 C2	20130820	RU20100146691	20090414
TW201010679 A	20100316	TW20090111128	20090403
US2009264851 AA	20091022	US20080148384	20080418
US8079994 BB	20111220	US20080148384	20080418
WO09128029 A2	20091022	WO2009IB51554	20090414
WO09128029 A3	20100218	WO2009IB51554	20090414

Probable Assignee: KIMBERLY CLARK CORP

Assignee(s):(std): KIMBERLY CLARK CO ; KIMBERLY CLARK CORP ; RICHLIN SANDRA ANN ; SIMON AMANDA JEAN

Assignee(s): KIMBERLI KLARK VORLDAVD INK ; KIMBERLY CLARK WORLDWIDE INC ; KIMBERLY CLARK WORLDWIDE INC NEENAH

Inventor(s):(std): RICHLEN SANDRA ANN ; SIMON AMANDA JEAN ; SAJMON AMANDA DZHIN ; RICHLEN SANDRA EHNN ; RICHLEN SANDRA A ; SIMON AMANDA J

Inventor(s): SANDRA ANN RICHLEN ; AMANDA JEAN SIMON

Agent(s): SPRUSON AND FERGUSON; PORZIO; ZIMMERMANN AND PARTNER PATENTANWALTE MBB; DAVIES CHRISTOPHER ROBERT; KIMBERLY CLARK WORLDWIDE INC CATHERINE E WOLF; H MICHAEL; KUBICKI MICHAEL H 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 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 TZ 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

International class (IPC 8-9): A61B19/00 A61F13/15 A61F13/49 A61F13/491 A61F13/494 A61F13/496 A61F13/53 A61F13/551 (Advanced/Invention); A61B19/00 A61F13/15 (Core/Invention)

International class (IPC 1-7): A61F13/49 A61F13/491 A61F13/53

CPC: A61F13/4915 A61F13/49413 A61F13/55105 A61F13/5519 A61F13/491

European class: A61F13/491 A61F13/491A A61F13/494A1 A61F13/551A A61F13/551H

US class: 206/438 206/438S 206/440 206/440S 604/385.01 604/385.010S 604/385.04 604/385.24 604/385.28 604/385.280P 604/385.3 604/385.300S

JP class F-Term: 3B200 3B200/AA01 3B200/AA14 3B200/AA15 3B200/BA08 3B200/CA03 3B200/CA06 3B200/CA07 3B200/CA08 3B200/CA09 3B200/DA02 3B200/DA25 3B200/DF07

JP class F-Index: A41B13/02/K A41B13/02/U A61F13/15/210 A61F13/49/410 A61F13/491 A61F13/491/100 A61F13/494/111 A61F13/496

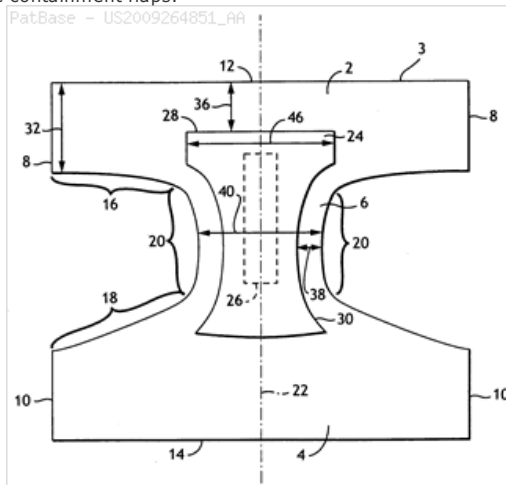
[Classification Explorer](#)

Cited documents: WO9816179 A1, WO8900037 A1, WO08135870 A1, WO07008125 A1, WO05018518 A1, US6863665 BB, US6797858 BB, US6648870 BB, US6607515 BB, US6488670 BA, US6478786 BA, US6121510 A, US6017336 A, US5993433 A, US5895382 A, US5830202 A, US5814035 A, US5690627 A, US5672166 A, US5554142 A, US5236428 A, US5213881 A, US5021051 A, US4950263 A, US4938756 A, US4906243 A, US4846825 A, US4704116 A, US4037602 A, US3926189 A, US3849241 A, US3766922 A, US3559648 A, US2008275415 AA, US2008071239 AA, US2007233027 AA, US2007073262 AA, US2007038195 AA, US2006004342 AA, US2005256758 AA, US2005256757 AA, US2005256757, US2005256489 AA, US2005109442 AA, US2005101929 AA, US2005038400 AA, US2005010188 AA, US2004256048 AA, US2004143231 AA, US2004122410 AA, US2004097897 AA, US2004097897, US2004019338 AA, US2003225384 AA, US2003130643 AA, US2003120244 AA, US2003114827 AA, US2003114814 AA, US2003114808 AA, US2003093050 AA, US2003093045 AA, US2002072728 AA, KR20060006773, KR20020091281, EP1024772 B1, EP0797423 B1, DE29814465 U1,

Forward Citations: WO18182470, WO18097772, WO15148877, WO15130263, WO14209753, WO13161715, WO13054840, WO12082885, US9987175, US9907709, US9889050, US9808378, US9757283, US9675499, US9498388, US9480609, US9480608, US9474660, US9445954, US9445953, US9445952, US9439811, US9327473, US9326898, US9226861, US2016030256, US2015283004, US2015272787, US2013211357, US2013211356, US2013197463, US2010108554, US10143600, US10117792, US10070999, US10034801, US10016318, RU2685022, RU2656826, RU2656826, RU2615114, RU2552908, JP6363727, JP2017512546, JP2017169898, JP2013223688, JP2013081718, EP2872088, EP2872088, CN106163470, CN104619294, CN104619294, CN104244885, AU2011317116,

Abstract:

In one aspect, the present invention relates to an array of gender-specific disposable absorbent articles having gender-specific containment flaps. In one embodiment, the array of articles comprises a first disposable absorbent article adapted to be worn by males, and a second absorbent article adapted to be worn by females. The first disposable absorbent article comprises a first pair of containment flaps, and the second disposable absorbent article comprises a second pair of containment flaps. The first pair of containment flaps differs from the second pair of containment flaps in at least one structural feature. In particular embodiments, the structural feature that differs is selected from the group consisting of flap active length, flap active-portion longitudinal position, flap tension, flap height, distal-to-distal spacing, and proximal-to-proximal spacing. In another aspect, the present invention pertains to a method of marketing gender-specific absorbent articles having gender-specific containment flaps.



Title: DISPOSABLE PANT-TYPE ABSORBENT ARTICLE ADAPTED FOR A MALE USER

Priority: WO2017SE50295 20170328

Family:

Publication number	Publication date	Application number	Application date
AU2017407749 AA	20181004	AU20170407749	20170328
WO18182469 A1	20181004	WO2017SE50295	20170328

Probable Assignee: ESSITY HYGIENE AND HEALTH AB

Assignee(s):(std): ESSITY HYGIENE AND HEALTH AB

Assignee(s): ESSITY HYGIENE AND HEALTH AKTIEBOLAG

Inventor(s):(std): BAECK LUCAS ; KLINTE OLSSON ANNA ; ERIKSSON KATARINA

Agent(s): WATERMARK INTELLECTUAL PROPERTY PTY LTD; NLO ET AL

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

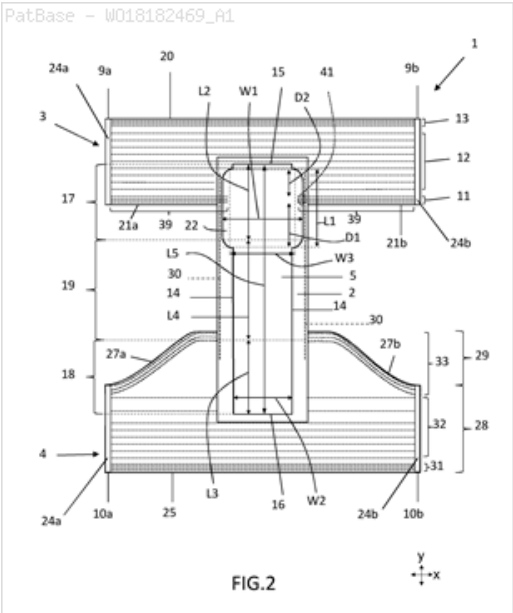
International class (IPC 8-9): A61F13/471 A61F13/491 A61F13/496 (Advanced/Invention); A61F13/49 A61F13/53 A61F13/68 (Advanced/Non-invention)

CPC: A61F13/491 A61F13/496 A61F13/471 A61F13/53

[Classification Explorer](#)

Cited documents: WO17058069 A1, WO03059223 A1, US2016166444 AA, US2013079743 AA, US2013041340 AA, US2010108554 AA,

Abstract:
The invention relates to a disposable pant-type absorbent article (1), such as a pant diaper, a sanitary pant or incontinence pant being adapted for a male user, and a method for manufacturing such a disposable pant-type absorbent article (1). The disposable pant-type absorbent article (1) is characterised in that the absorbent core (5) of the article (1) has a wide portion (22) in the front segment (17). The article (1) is further characterised in that the laminated web material of the front panel (3) of the article (1) has a first at least partly elastic region (11) extending primarily in the transverse direction and being located adjacent the leg edges (21 a, 21 b) of the front panel (3), and a second at least partly elastic region (12) extending primarily in the transverse direction and being located next to the first elastic region (11) and closer to the waist edge (20) of the front panel. The first at least partly elastic region (11) is distinct from the second at least partly elastic region (12) in terms of at least one structural elastic feature. An elasticised part (39) of the laminated web material of the first at least partly elastic region (11) or an inner imaginary extension (23) of the elasticised part (39) meet a longitudinal core edge (14) in said wide portion (22) of the core (5).



6) Family number: 28256573 (US2002068919A)				
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Title:	DISPOSABLE UNDERGARMENT			
Priority:	JP20000357938 20001124 CA20012363364 20011120			
Family:	Publication number	Publication date	Application number	Application date
	AT336214 E	20060915	AT20010309892T	20011123
	AU200193410 A1	20020530	AU20010093410	20011123
	AU200193410 A5	20020530	AU20010093410D	20011123
	AU783810 B2	20051208	AU20010093410	20011123
	CA2363364 AA	20020524	CA20012363364	20011120
	CA2363364 C	20080226	CA20012363364	20011120
	CN100528118 C	20090819	CN200510051785	20011123
	CN1364452 A	20020821	CN20011042900	20011123
	CN1650829 A	20050810	CN200510051785	20011123
	CO5380007 A1	20040331	CO20010101245	20011126

DE60122265 D1	20060928	DE20016022265	20011123
DE60122265 D1	20060928	DE20016022265T	20011123
DE60122265 T2	20070719	DE20016022265T	20011123
EP1208825 A2	20020529	EP20010309892	20011123
EP1208825 A3	20030709	EP20010309892	20011123
EP1208825 B1	20060816	EP20010309892	20011123
JP2002159527 A2	20020604	JP20000357938	20001124
JP3820100 B2	20060913	JP20000357938	20001124
KR100833632 B1	20080530	KR20010073623	20011124
KR20020040652 A	20020530	KR20010073623	20011124
MXPA01012203 A1	20040812	MX2001PA12203	20011126
MY128874 A	20070228	MY20010005352	20011123
SG101521 A1	20040130	SG20010007299	20011123
TH51616 A	20020624	TH20011004785	20011123
TH51808 B	20161007	TH20011004785	20011123
TW526749 Y	20030401	TW20010220325U	20011123
US2002068919 AA	20020606	US20010990263	20011123
US6821271 BB	20041123	US20010990263	20011123

Probable Assignee: UNI CHARM CORP

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

Assignee(s): UNI CHARM CO LTD ; GODA HIDEFUMI ; MUKAI HIROTOMO

Inventor(s):(std): HIRITOMO MUKAI ; KEITOMO MUKAI ; EISHI AITA ; JUNJI SASAHARA ; MUKAI HIROTOMO ; GODA HIDEFUMI ; SHINOHARA JYUNJI ; TOYOHAMA CHO ; WADAHAMA TOYOHAMA CHO ; JYUNJI SHINOHARA ; HIROTOMO MUKAI ; HIDEFUMI GODA ; JUNJI SHINOHARA ; SHINOHARA JUNJI ; SASAHARA JUNJI ; AIDA HIDEFUMI ; AITA EISHI ; MUKAI TAKATOMO ; MUKAI KEITOMO

Inventor(s): MUKAI HIRITOMO

Agent(s): PHILLIPS ORMONDE FITZPATRICK; OGILVY RENAULT LLP SENCRL SRL; DARIO CARDENAS NAVAS

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

International class (IPC 8-9): A61F13/00 A61F13/15 A61F13/49 A61F13/494 A61F13/496 A61F5/44 (Advanced/Invention); A61F13/00 A61F13/494 A61F5/44 (Advanced/Non-invention); A61F13/00 A61F13/15 A61F13/49 A61F5/44 (Core/Invention)

International class (IPC 1-7): A41B13/15 A61F13/00 A61F13/15 A61F13/20 A61F13/49 A61F13/494 A61F13/496 A61F5/44

CPC: A61F2013/49028 A61F13/49017 A61F13/49019

European class: A61F13/49D2E A61F13/49D2F

US class: 604/385.24 604/385.25 604/385.250S 604/385.26 604/385.27 604/385.270P 604/385.3 604/385.300S

JP class F-Term: 3B029 3B029/BD10 3B029/BD13 3B029/BF07 3B200 3B200/AA01 3B200/BA12 3B200/BB11 3B200/CA06 3B200/CA08 3B200/CA09 3B200/DA01 3B200/DB01 3B200/DD01 3B200/DD02 3B200/DD07 3B200/EA12 4C079 4C098 4C098/AA09 4C098/CC03 4C098/CC12 4C098/CC14 4C098/CE05 4C098/CE07 4C098/DD05 4C098/DD06 4C098/DD10 4C098/DD22 4C098/DD23 4C098/DD24 4C098/DD25 4C098/DD26 4C098/DD28

JP class F-Index: A41B13/02/G A41B13/02/T A61F13/00/351/Z A61F13/49/315/A A61F13/49/410 A61F5/44/H

[Classification Explorer](#)

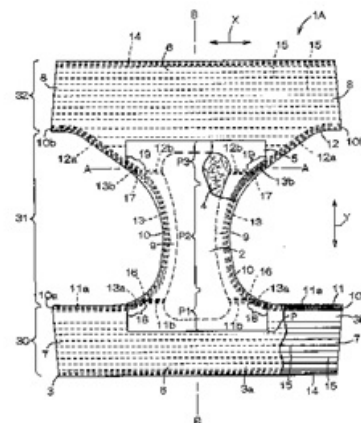
Cited documents: WO0185080 A1, WO0002511 A1, US6464677 BA, US6210386 BA, US6013065 A, US5830203 A, US5779689 A, US5188627 A, JP9313531 A2, JP9313531, JP8024291 A2, JP7299094 A2, JP7299094, JP5317361 A2, EP0823846 B1, EP0823846 A1, EP0692233 A1,

Forward Citations: WO17058069, WO13161956, WO06028509, WO06022866, US9078791, US8915900, US8808266, US8808265, US8506544, US7959618, US7699827, US7364572, US7344524, US7329244, US7326193, US7226437, US7169136, US7150731, US7001368, US2015073373, US2013030402, US2012095430, US2012078213, US2011022019, US2008161767, US2007021727, US2005288648, US2005143711, US2005131375, US2004225270, US2004210204, US2004186452, US10098795, RU2685022, KR20120121916, KR101650221, JP2013230263, EP3167856, EP2221031, EP2221031, EP2221031, EP1300124, EP1300124, AU2015410598, AU2003257671,

Abstract:

A disposable undergarment includes first, second and third elastic members. The first elastic members have first both side portions extending in a longitudinal direction and a first middle portion extending across a crotch region. A second elastic member has second both side portions and a middle portion extending across the crotch region. The third elastic members have first connecting portions merged into the first both side portions and second connecting portions extending to be merged into the second both side portions. By such an arrangement, tensile stress of the third elastic member can be adequately utilized to keep the undergarment in tight contact with the wearer's thigh.

FIG. 1

**7) Family number: 74171613** (WO19130971A1)

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Title: PANTS-TYPE ABSORBENT ARTICLE**Priority:** JP20170254950 20171228**Family:**

Publication number	Publication date	Application number	Application date
JP2019118556 A2	20190722	JP20170254950	20171228
JP6503448 B1	20190417	JP20170254950	20171228
WO19130971 A1	20190704	WO2018JP43994	20181129

Probable Assignee: UNI CHARM CO LTD**Assignee(s):(std):** UNI CHARM CORP ; UNICHARM CORP**Assignee(s):** UNI CHARM CO LTD**Inventor(s):(std):** SASAYAMA KENICHI ; ONISHI KAZUAKI ; MURAKAMI KEI ; NAGAYAMA YUI ; KONDO DAIKI**Agent(s):** ISSHIKI AND CO

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

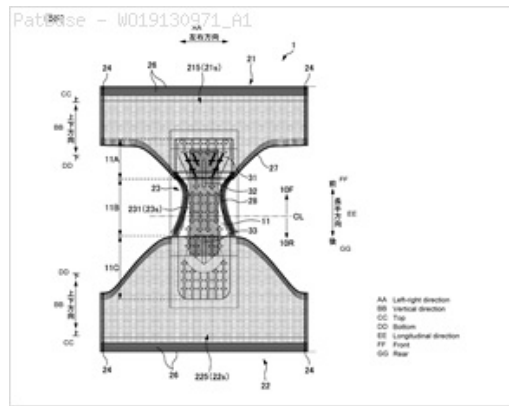
International class (IPC 8-9): A61F13/49 A61F13/496 A61F13/532 (Advanced/Invention)

CPC: A61F13/49 A61F13/496 A61F13/532[Classification Explorer](#)

Cited documents: WO17058069 A1, WO17058069, JP2015171500 A2, JP2015171500, JP2015073637 A2, JP2015073637, JP2012075566 A2, JP2012075566, JP2011177309 A2, JP2011177309, JP2011152209 A2, JP2011152209, JP2008253288 A2, JP2008253288,

Abstract:

A pants-type absorbent article (1) which includes: an absorbent body (10) that is provided with an absorbent core (11) and is folded at a lower end to form a front side and a rear side; and a front belt portion (23) that has a front extensible region (23s) that stretches and contracts in the left-right direction. The absorbent core (11) has a front portion (10F), which is a portion folded to the front side in the front-rear direction, and the absorbent core (11) has, in the front portion (10F), a pair of inclined low basis weight regions (31) which incline from the top to the bottom in the vertical direction and from the outer sides in the left-right direction to the center and which have basis weights that are lower than the surrounding regions. The entirety of the pair of inclined low basis weight regions (31) overlaps the front extensible region (23s).



8) Family number: 54418619 (US2015011960A)

PatBase

Title: DISPOSABLE WEARING ARTICLE

Priority: JP20120015271 20120127 WO2013JP51634 20130125

Family:	Publication number	Publication date	Application number	Application date
	CN104080427 A	20141001	CN201380006613	20130125
	EP2786731 A1	20141008	EP20130741158	20130125
	EP2786731 A4	20150826	EP20130741158	20130125
	JP2013153846 A2	20130815	JP20120015271	20120127
	JP5945423 B2	20160705	JP20120015271	20120127
	US2015011960 AA	20150108	US20130373250	20130125
	WO13111871 A1	20130801	WO2013JP51634	20130125

Probable Assignee: UNICHARM CORP

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

Assignee(s): UNI CHARM CO LTD

Inventor(s):(std): ARAYAMA TAKAYA ; MUKAI HIROTOMO ; MUKAI TAKATOMO

Agent(s): PETER JULIAN; MIYOSHI HIDEKAZU ET AL

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

International class (IPC 8-9): A61F13/15 A61F13/49 A61F13/494 A61F13/53 A61F13/532 A61F13/533 A61F13/534 A61F13/535 A61F13/537 (Advanced/Invention)

CPC: A61F13/535 A61F2013/5355 A61F13/532 A61F13/533 A61F13/49001 A61F13/49017 A61F2013/530868

US class: 604/385.01 604/385.101 604/385.16

JP class F-Term: 3B200 3B200/AA01 3B200/BA01 3B200/BA13 3B200/BB03 3B200/BB17 3B200/CA03 3B200/CA08 3B200/DA15 3B200/DA21 3B200/DB01 3B200/DB11 3B200/DB15 3B200/DD01 3B200/EA05 3B200/EA12

JP class F-Index: A41B13/02/B A61F13/49/315/Z A61F13/494/130 A61F13/532/100 A61F13/532/200 A61F13/534/110 A61F13/535/100 A61F13/535/200 A61F13/537/220

[Classification Explorer](#)

Cited documents: WO12067217 A1, WO12005249 A1, WO04000188 A1, WO03026545 A2, US2010004614 AA, US2008140042 AA, US2007244455 AA, US2007233029 AA, US2007179469 AA, US2006184146 AA, JP8280738 A2, JP8066426 A2, JP201355995, JP2013055995 A2, JP2009160035 A2, JP2009131593 A2, JP2009125199 A2, JP2006346439 A2, JP2006055360 A2, JP2003164477 A2, JP2003164477, JP2002320641 A2, JP0866426, EP1275358 A2,

Forward Citations: WO16092841, US9987176, US10335324, US10022280, TWI634880, KR20170081249, KR101971107, JP2016112408, EP3355843, EP3202382,

Abstract:

A disposable wearing article includes a urination region, a rear waistline region arranged to the rear of the urination region, and a front waistline region arranged to the front of the urination region. An absorbent sheet having an absorbent polymer arranged between liquid-permeable sheets is configured to be provided in at least one of the buttocks region and the ventral region. An absorbent polymer arranged region including absorbent polymer is in at least one of the front waistline region and the rear waistline region. A deformation restraining unit is formed to be capable of restraining deformation of the urination region from being propagated to an absorbent polymer arranged region in the inner side in the front-back direction with respect to the inner end in the front-back direction of the absorbent polymer arranged region.

US2010312214 AA	20101209	US20080742726	20080916
US2010324519 AA	20101223	US20080742723	20080815
US2011022019 AA	20110127	US20080742729	20080814
US8486039 BB	20130716	US20080742723	20080815
US8915900 BB	20141223	US20080742729	20080814
WO09063666 A1	20090522	WO2008JP64595	20080814
WO09063668 A1	20090522	WO2008JP64629	20080815
WO09063687 A1	20090522	WO2008JP66676	20080916

Probable Assignee: UNI CHARM CORP

Assignee(s):(std): UNI CHARM CORP ; UNI CHARM LTD ; UNICHARM CORP ; YAGI AKIKO ; MAKI HIDEAKI ; SHIMADA TAKAAKI

Assignee(s): UNI CHARM CO LTD ; UNICHARM CORP SHIKOKUCHUO SHI

Inventor(s):(std): YAGI AKIKO ; SHIMADA TAKAAKI ; MAKI HIDEAKI ; TAKAAKI SHIMADA ; AKIKO YAGI ; HIDEAKI MAKI ; KAWAKAMI YUSUKE ; SHIRAIISHI TSUKASA ; YAGI RYOKO

Agent(s): PHILLIPS ORMONDE FITZPATRICK; JOHANSSON; PATENTANWAELTE STAEGER AND SPERLING PARTNERSCHAFTSGESELLSCHAFT MBB; PETER JULIAN; BRINKS HOFER GILSON AND LIONE/ANN ARBOR; BRINKS HOFER GILSON AND LIONE ANN ARBOR; BRINKS HOFER GILSON AND LIONE; BRINKS GILSON AND LIONE; SHIRAHAMA YOSHIHARU 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 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 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

International class (IPC 8-9): A61F13/05 A61F13/15 A61F13/20 A61F13/49 A61F13/493 A61F13/494 A61F13/496 A61F13/511 A61F13/53 A61F13/58 (Advanced/Invention); A61F13/49 A61F13/494 A61F13/496 A61F13/511 A61F13/53 (Advanced/Non-invention); A61F13/00 A61F13/15 A61F13/49 A61F13/56 (Core/Invention); A61F13/49 (Core/Non-invention)

International class (IPC 1-7): A61F13/00 A61F13/05 A61F13/15 A61F13/49 A61F13/496 A61F13/58

CPC: A61F13/49466 A61F2013/49028 A61F13/49014 A61F13/49011 A61F13/49017 A61F13/49406 A61F13/496 A61F13/494 A61F13/511

European class: A61F13/494A A61F13/494B A61F13/49D2B A61F13/49D2D A61F13/49D2E

US class: 604/385.24 604/385.27 604/385.29 604/385.290P 604/385.3 604/385.300P

JP class F-Term: 3B200 3B200/AA01 3B200/BA11 3B200/BA12 3B200/BB03 3B200/BB04 3B200/BB09 3B200/BB11 3B200/CA06 3B200/DA27 3B200/DA28 3B200/DE02 3B200/DE06 3B200/DE07 3B200/EA12 3B200/BA07 3B200/BA13 3B200/BB02 3B200/BB05 3B200/BB13 3B200/BB20 3B200/CA03 3B200/CB01 3B200/CB03 3B200/DA02 3B200/DA21 3B200/EA23 3B200/EA24

JP class F-Index: A41B13/02/J A41B13/02/T A61F13/49/311/Z A61F13/49/312/Z A61F13/49/410 A41B13/02/U

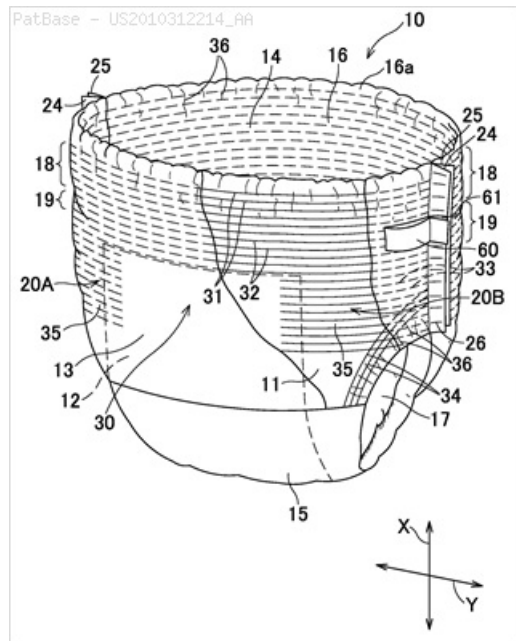
[Classification Explorer](#)

Cited documents: US8221376 BB, US7727214 BB, US6602238 BB, US6179820 BA, US6179820 BA, US5968029 A, US5941865 A, US5876392 A, US5876392 A, US5749866 A, US5569232 A, US5554145 A, US2007233034 AA, US2007107763 AA, US2006200109 AA, US2006025746 AA, US2006025746 AA, US2005107763 AA, US2005107763 AA, US2005080394 AA, US2005080394 AA, US2005010188 AA, US2004243083 AA, US2004224132 AA, US2004224132 AA, US2004133180 AA, US2004030317 AA, US2003199841 AA, US2003139726 AA, US2002068919 AA, US2002068919 AA, US2002045877 AA, US2002009940 AA, US2002009940 AA, JP9084826 A2, JP9084826 A2, JP200729507, JP2007082890 A2, JP2007082890 A2, JP2007029507 A2, JP2007029507, JP2006043067 A2, JP2006043067, JP2005334676 A2, JP2005334676 A2, JP200449765, JP2004236832 A2, JP2004049765 A2, JP2004049765 A2, JP200265733, JP2002248127 A2, JP2002248127 A2, JP2002065733 A2, JP2002065733 A2, EP1621168 A1, EP1552801 A1, EP1552801 A1,

Forward Citations: WO17058069, WO15198661, WO13146842, WO13084915, WO11152336, WO11145627, WO11001937, US9737444, US9566195, US9381121, US9358162, US9358161, US8986276, US8932274, US2016230088, US2016022510, US2015051569, US10206825, US10076454, US10058460, US10016317, TWI531359, TWI528951, RU2685022, KR101774129, JP6033129, JP5595055, JP5537846, JP5534839, JP5530252, JP5480018, JP5400556, JP2013226393, JP2013118962, JP2011250893, JP2011240054, JP2011156122, JP2011156121, JP2011083327, JP2011010840, EP3357464, EP3357464, EP2832328, EP2694007, EP2694007, EP2578196, EP2572689, EP2572689, EP2572689, EP2105115, EP2105115, EA027710, CN108135752, CN106163476, CN105007874, CN104185462, CN104185462, CN102933187, CN102933187, CN102905665, CN102686195, CN102427791, AU2015410598,

Abstract:

The present invention on its first aspect provides a disposable diaper improved so as to prevent body waste from leaking sideways without sacrificing a bodily fluid absorbing capacity of a liquid-absorbent structure and to assure appropriate fitness to the wearer's body. In each of front and rear waist regions 13, 14, a disposable diaper 10 comprises an upper elasticized region 18 extending in a vicinity of a waist-opening periphery 16a, lower elasticized regions 20A, 20B, intermediate elasticized region 19 extending between the upper elasticized region 18 and the lower elasticized regions 20A, 20B and outside longitudinally opposite ends 12a, 12b of a liquid-absorbent structure 12, and, at least in the front waist region 13 of the front and rear waist regions 13, 14, a non-elasticized region 30 opposed to a central zone of a liquid-absorbent core wherein a tensile stress of the intermediate elasticized region 19 is lower than a tensile stress of the upper elasticized region 18.



10) Family number: 65373759 (US2018303681A)

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Title: DISPOSABLE PANT-TYPE ABSORBENT ARTICLE

Priority: WO2015SE51032 20150929

Family:

Publication number	Publication date	Application number	Application date
AU2015410598 AA	20180405	AU20150410598	20150929
AU2015410598 BB	20181122	AU20150410598	20150929
BR112018006124 A2	20181023	BR20181106124	20150929
CA3000144 AA	20180327	CA20153000144	20150929
CN108135755 A	20180608	CN201580083485	20150929
CO20180003067 A2	20180810	CO20180003067	20180322
EP3355843 A1	20180808	EP20150905524	20150929
EP3355843 A4	20190320	EP20150905524	20150929
IN201847009810 A	20180323	IN201847009810	20180316
JP2018534027 T2	20181122	JP20180516468T	20150929
KR20180059829 A	20180605	KR20187010552	20150929
MX2018003849 A1	20180615	MX20180003849	20150929
RU2685022 C1	20190416	RU20180114627	20150929
US2018303681 AA	20181025	US20150758612	20150929
WO17058069 A1	20170406	WO2015SE51032	20150929

Probable Assignee: ESSITY HYGIENE AND HEALTH AKTIEBOLAG

Assignee(s):(std): ESSITI KHAJDZHIN END KHELT AB ; ESSITY HYGIENE AND HEALTH AB ; SCA HYGIENE PRODUCTS AB ; SCA HYGIENE PROD AB

Assignee(s): ESSITY HYGIENE AND HEALTH AKTIEBOLAG ; BACK LUCAS

Inventor(s):(std): BAECK LUCAS ; BACK LUCAS ; LUCAS BAECK ; BEKK LUKAS

Agent(s): WATERMARK INTELLECTUAL PROPERTY PTY LTD; RIDOUT AND MAYBEE LLP; JOSE ANDRES RINCON USCATEGUI; NEDERLANDSCH OCTROOIBUREAU; YURIDICHESKAYA GORODISSKIY I PARTNERNY OOO FA; SCA HYGIENE PRODUCTS AB

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

International class (IPC 8-9): A61F13/15 A61F13/47 A61F13/471 A61F13/49 A61F13/491 A61F13/494 A61F13/496 A61F13/53 A61F13/534 (Advanced/Invention)

International class (IPC 1-7): A61F13/491

CPC: A61F13/4902 A61F13/496 A61F2013/49023 A61F13/494 A61F2013/530481 A61F13/4915 A61F13/15804 A61F13/49011 A61F13/534 A61F13/491 A61F13/15

JP class F-Term: 3B200 3B200/AA01 3B200/AA14 3B200/BA12 3B200/BA13 3B200/BA14 3B200/BB11 3B200/CA03 3B200/CA06 3B200/CA08 3B200/CA11 3B200/DA08 3B200/DA21 3B200/DB05 3B200/EA02 3B200/EA08 3B200/EA12

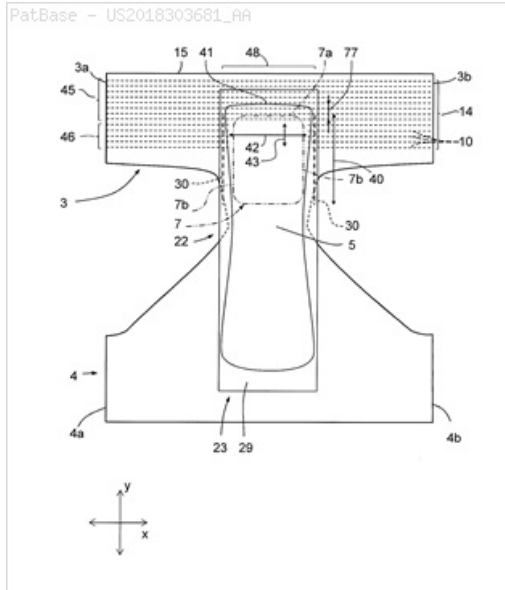
JP class F-Index: A61F13/15/311 A61F13/47/300 A61F13/471 A61F13/49/100 A61F13/49/312/Z A61F13/49/413 A61F13/491/100 A61F13/496

[Classification Explorer](#)

Cited documents: WO9634588 A1, WO14098683 A1, RU2489999 C2, EP2786731 A1, EP2572689 A1, EP2221031 A1,

Forward Citations: WO19130971, WO18182469, JP6503448, JP2019118556,**Abstract:**

A disposable pant-type absorbent article adapted for a male user. The disposable pant-type absorbent article includes a chassis having a front section and a back section, an absorbent core, a front region configured for receiving the genitals of a male user, in which the front section at least partly is made of an elastic material comprising at least one elastic element. The absorbent core within a front region, under the influence of side elastic elements and elastic web material is adapted to bulge outwardly during use of the article to form a bowl shaped portion for receiving the genitals of a male user.

**11) Family number: 56777977** (US2015328056A)

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Title: ELASTIC LAMINATE AND PROCESS FOR THE MANUFACTURE OF ELASTIC LAMINATE**Priority:** EP20120881984 20121221 WO2012SE51475 20121221**Family:**

Publication number	Publication date	Application number	Application date
AU2012397336 AA	20140626	AU20120397336	20121221
AU2012397336 BB	20160519	AU20120397336	20121221
BR112015015014 A2	20170926	BR20151115014	20121221
CA2895643 AA	20150618	CA20122895643	20121221
CA2895643 C	20171107	CA20122895643	20121221
CN104869955 A	20150826	CN201280077762	20121221
CN104869955 B	20180814	CN201280077762	20121221
DE602012040738 D1	20180118	DE201260040738T	20121221
EP2934404 A1	20151028	EP20120881984	20121221
EP2934404 A4	20160803	EP20120881984	20121221
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IN04378DN2015 A	20151127	IN2015DN04378	20150521
JP2016506322 T2	20160303	JP20150549305T	20121221
JP6298074 B2	20180320	JP20150549305T	20121221
KR101735309 B1	20170515	KR20157017042	20121221
KR20150091117 A	20150807	KR20157017042	20121221
MX2015007951 A1	20151008	MX20150007951	20121221
MX351204 B	20171005	MX20150007951	20121221
PL2934404 T3	20180831	PL20120881984T	20121221
RU2015129703 A	20170126	RU20150129703	20121221
RU2620747 C2	20170529	RU20150129703	20121221
TW201434648 A	20140916	TW20130142055	20131119
TWI605944 B	20171121	TW20130142055	20131119
US2015328056 AA	20151119	US20120653871	20121221
WO14098683 A1	20140626	WO2012SE51475	20121221

Probable Assignee: SCA HYGIENE PRODUCTS AB**Assignee(s):(std):** SCA HYGIENE PROD AB ; SCA HYGIENE PRODUCTS AB**Assignee(s):** SKA KHAJDZHIN PRODAKTS AB ; BACK LUCAS ; EEN HANS ; ESSITY HYGIENE AND HEALTH AKTIEBOLAG ; GABRIELII INGE**Inventor(s):(std):** BAECK LUCAS ; GABRIELII INGE ; EEN HANS ; BACK LUCAS ; HANS EEN ; LUCAS BAECK ; INGE GABRIELII ; WAGDAHL INGE ; EEN KHANS ; BOKK LUKAS ; B CK LUCAS**Agent(s):** WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; RIDOUT AND MAYBEE LLP; ZACCO PATENTANWALTS U RECHTSANWALTSGESELLSCHAFT MBH; ZACCO SWEDEN AB; ZACCO SWEDEN AB ET AL**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU

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

International class (IPC 8-9): A61F13/15 A61F13/49 A61F13/56 B32B3/28 B32B37/14 B32B5/26 B32B7/04 B32B7/06 B32B7/14 D04H3/00 D04H3/02 D04H3/08 D04H3/12 D04H3/14 (Advanced/Invention)

International class (IPC 1-7): A61F13/15

CPC: A61F13/4902 A61F13/49011 A61F13/15577 A61F2013/49031 A61F2013/49025 Y10T442/602 A61F13/15699 A61F13/15707 A61F13/15593 B05C3/12 B05C5/0241 B05C5/027

US class: 156/229 442/329 604/385.3

JP class F-Term: 3B200 3B200/AA01 3B200/CA02 3B200/CA06 3B200/CA09 3B200/DA01 3B200/EA11 3B200/EA27 4F100 4F100/BA04 4F100/BA10 4F100/BA32 4F100/CB00 4F100/DD01 4F100/DG04 4F100/DG07 4F100/DG15 4F100/GB66 4F100/GB72 4F100/JK07 4F100/JK08 4F100/JL11 4L047 4L047/AB03 4L047/BA09 4L047/BA12 4L047/CA02 4L047/CA03 4L047/CA05 4L047/CA12 4L047/CA15 4L047/CB01 4L047/CC03

JP class F-Index: A41B13/02/T A61F13/15/311/Z A61F13/15/352 A61F13/15/354 A61F13/15/355/A A61F13/49/311/Z A61F13/49/312/Z B32B5/26 B32B7/14 D04H3/12 D04H3/14

[Classification Explorer](#)

Cited documents: US6387471 BA, US6387471 B1, US5964973 A, US5964973 A, US5209801 A, US5209801 A, US4666542 A, US4666542 A, US2008306194 AA, US2008306194 AA, US2007135008 AA, US2007135008 AA, US2005013975 AA, US2005013975 AA, US2004158217 AA, US2004158217 AA, US2003089447 AA, US2003089447 AA, US2001030014 AA, US2001030014 AA, KR20070090971, JP2011505946 T2, JP2011505946, JP2006027089 A2, JP2006027089, JP2005212405 A2, JP2005212405, JP2003136591 A2, JP2003136591, JP2002291796 A2, JP2002291796, JP10501195 T2, JP10501195, CN1969002 A,

Forward Citations: WO19089689, WO19046552, WO18160208, WO18160207, WO18118886, WO18118885, WO18118884, WO18118883, WO18118872, WO18118870, WO18118869, WO18003566, WO17159498, WO17058069, US2017056933, US10335323, JP2018172845, JP2016112340, GB2571482, GB2571237,

Abstract:

An elastic laminate including a first nonwoven layer, a second nonwoven layer, and a plurality of elastic strands arranged in parallel with one another between said first and second nonwoven layers is disclosed, as well as a process for the production of the laminate. The elastic laminate includes elastic strands that are stretched and individually coated with an adhesive. The first and second nonwoven layers are attached to the stretched elastic strands to provide a corrugated elastic laminate when the elastic strands are relaxed. At least one of the nonwoven layers is attached to the strands at distinct adhesive bonding points in a repeating predetermined pattern in a lengthwise direction along the strands to form a predetermined corrugation pattern, and the nonwoven layers are substantially free of adhesive, except in the adhesive bonding points where the layers are attached to the elastic strands.

