

Search history

Search 1: longitud* and absorb* and layer and first and second and crotch (Results 5657)

Search 2: 1 and opening (Results 3844)

Search 3: 2 and (impermeable or impervious or waterproof) and (permeable or pervious) (Results 3375)

Search 4: 3 and edge* (Results 3297)

Search 5: 1 and overlap* (Results 2966)

Search 6: 5 and compres* (Results 1971)

Search 7: 6 and (Cent*) and line (Results 1768)

Search 8: 7 and "absorption layer" (Results 44)

Search 9: (8) AND IPC=(A61) (Results 44)

Search 10: 9 and (Area or zone) (Results 42)

Search 11: 10 and leak* (Results 41)

Search 12: 11 and transvers* (Results 31)

Search 13: 12 and g/ (Results 0)

Search 14: 12 and (g/m2 or g/cm2) (Results 0)

Search 15: 12 and (first w10 layer) (Results 30)

Search 16: 15 and (first w5 layer) (Results 28)

Search 17: (16) AND PD=(2006 OR 2003 OR 2005 OR 2000 OR 2001 OR 2011 OR 2004 OR 2013 OR 2002 OR 1996 OR 1997 OR 1998 OR 2012 OR 2007) (Results 18)

Title: **Absorbent** articles having improved properties

Abstract: PCT No. PCT/SE95/01587 Sec. 371 Date Jun. 17, 1997 Sec. 102(e) Date Jun. 17, 1997 PCT Filed Dec. 27, 1995 PCT Pub. No. WO96/20670 PCT Pub. Date Jul. 11, 1996 An **absorbent** article which includes a liquid-permeable outer sheet (1) disposed on a **first** surface of the article, a liquid-impermeable outer sheet (2) disposed on a **second** surface of the article, and an **absorbent** body (3) which is enclosed between the two casing sheets and which includes a receiving space (24) for taking-up body liquid, wherein the space is comprised of at least one cavity or region of lower density than the density of a part of the **absorbent** body (3) adjacent the receiving space (24) and located generally in the same plane. The article is mainly characterized in that the receiving space (24) is disposed in a storage **layer** (19) in the **absorbent** body (3), and in that parts (20,125) of the storage **layer** (19) adjacent the receiving space (24) include a material which when wetted increases in volume in a direction generally perpendicular to the **first** surface of the article, whereby the size of the receiving space (24) is also increased in this direction as a result of wetting the article.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/49 A61F13/53 A61F13/534 A61F5/44 (Advanced/Invention);

A61F5/44 (Advanced/Non-invention);

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

A61F13/15 (Core/Non-invention)

International (IPC 1-7): A61F13/15 A61F13/46 A61F13/48 A61F13/50 A61F13/53 A61F5/44

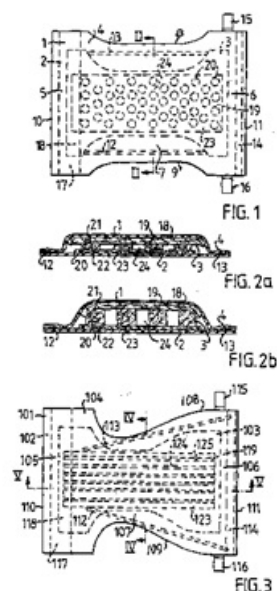
CPC: A61F13/533 A61F13/535 A61F2013/4568 A61F2013/530861

European: A61F13/535 K61F13/15E1C2 K61F13/15E8S K61F13/45C4 K61F13/533 K61F13/53R5

US: 604/358 604/374 604/378 604/385.08 604/385.101

PatBase - US5941863_A

U.S. Patent Aug. 24, 1999 Sheet 1 of 4 5,941,863



Family:

Publication number	Publication date	Application number	Application date
AU199644037 A1	19960724	AU19960044037	19951227
CO4650262 A1	19980903	CO19950060385	19951220
CZ9701749 A3	19971015	CZ19970001749	19951227
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DE69515514 T2	20000720	DE19956015514T	19951227
DE69515514 T3	20031211	DE19956015514T	19951227
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PL321020 A1	19971124	PL19950321020	19951227
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SE9404582 L	19960701	SE19940004582	19941230
SK87797 A3	19980204	SK19970000877	19951227
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TR9501680 A1	19961021	TR19950001680	19951226

TR960815 A1	19961021	TR19950001680	19951226
TW308539 B	19970621	TW19950113213	19951212
US5941863 A	19990824	US19970849884	19970617
WO9620670 A1	19960711	WO1995SE01587	19951227
ZA9510800 A	19960620	ZA19950010800	19951219

Priority:

SE19940004582 19941230 WO1995SE01587 19951227

Probable Assignee: SCA HYGIENE PRODUCTS AB

Assignee(s): (std): SCA MOELNLYCKE AB ; WIDLUND URBAN ; BUSCHKA ANETTE ; GUIDOTTI TED ; GUSTAFSSON ANDERS ; MOELNLYCKE AB ; SCA HYGIENE PROD AB ; MOLNYCHE AB

Assignee(s): MOLNYCHE ABSE ; SCA HYGIENE PRODUCTS A ; MOLNLYCKE AB ; SCA MOLNLYCKE ABS ; SCA MOLNLYCKE AB ; SCA HYGIENE PRODUCTS AB ; SCA HYGIENE PRODUCTS AB GOETEBORG ; SCA HYGIENE PRODUCTS AB GOETEBORG GOTENBURG

Inventor(s): (std): BUSCHKA ANETTE ; GUIDOTTI TED ; GUSTAFSSON ANDERS ; WIDLUND URBAN ; URBAN WIDLUND ; TED GUIDOTTI ; ANETTE BUSCHKA ; ANDERS GUSTAFSSON ; URBAN WIDLUND

Agent(s): ERNESTO CAVELIER; REINHOLD COHN AND PARTNERS

Designated states: AT AU BE CA CH CN CZ DE DK ES FI FR GB GR HU IE IT JP LU MC MX NL NO NZ PL PT SE SK US

Title: **Absorbent** body which includes cavities

Abstract: PCT No. PCT/SE95/01592 Sec. 371 Date Jan. 11, 1997 Sec. 102(e) Date Jan. 11, 1997 PCT Filed Dec. 28, 1995 PCT Pub. No. WO96/20671 PCT Pub. Date Jul. 11, 1996 An **absorbent** article which includes a liquid-permeable outer sheet (1) mounted on a **first** surface of the article, a liquid-impermeable outer sheet (2) mounted on a **second** surface of the article, and an **absorbent** body (3) which is enclosed between the two casing sheets and which includes a receiving space (24) for receiving and accommodating body liquid or fluid, the space comprising at least one cavity or region of lower density than the density of a part of the **absorbent** body (3) located adjacent the receiving space (24) generally in the same plane. The article is characterized in that the receiving space (24) is disposed in a storage **layer** (19) in the **absorbent** body (3), wherein the storage **layer** (19) is formed from a web of material which is divided in the **longitudinal** direction of the web along a dividing curve (20) which is undulating along at least part of its length so as to cross a **line** (21) extending in the **longitudinal** direction of the web at least two times, and the web-parts (22, 23) are displaced relative to one another in the plane of the web such that the web-parts (22, 23) will define the receiving space (24) therebetween in the plane of the web.

Classifications:

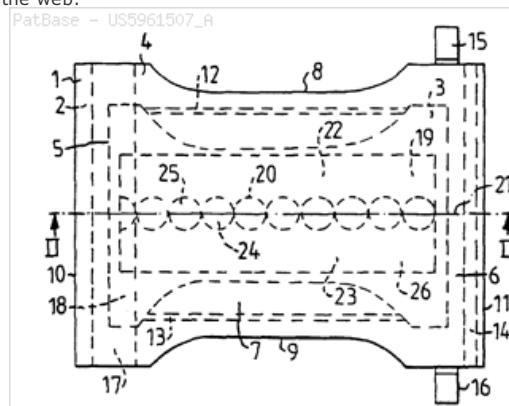
International (IPC 8-9): A61F13/15 A61F13/49 A61F13/53 A61F13/534 A61F5/44 G01B7/00 G01B7/30 G01C17/28 G01C17/32 G01C17/38 H01L43/12 H04B1/40 H04M1/21 (Advanced/Invention); A61F5/44 H04M1/725 (Advanced/Non-invention); A61F13/15 A61F5/44 G01B7/00 G01B7/30 G01C17/00 H01L43/00 H04B1/40 H04M1/21 (Core/Invention); A61F13/15 H04M1/72 (Core/Non-invention)

International (IPC 1-7): A61F13/15 A61F13/46 A61F13/48 A61F13/53 A61F5/44

CPC: A61F13/15203 A61F13/534 A61F13/535

European: A61F13/15J A61F13/534 A61F13/535

US: 604/378 604/385.21



Family:

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GB9524982 A0	19960207	GB19950024982	19951206
IL116171 A0	19960131	IL19950116171	19951128
IL116171 A1	20001206	IL19950116171	19951128
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JP3794590 B2	20060705	JP19960520903T	19951228
MX9704703 A1	19971031	MX19970004703	19951228
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SE9404583 L	19960701	SE19940004583	19941230
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TR960819 A1	19961021	TR19950001714	19951228
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US5961507 A	19991005	US19970849692	19970611
WO9620671 A1	19960711	WO1995SE01592	19951228
ZA9510810 A	19960621	ZA19950010810	19951219

Priority:

SE19940004583 19941230 WO1995SE01592 19951228

Probable Assignee: SCA HYGIENE PRODUCTS AB

Assignee(s): (std): MOELNYCKE AB ; MOLNYCKE AB ; WIDLUND URBAN ; SCA HYGIENE PROD AB ; SCA HYGIENE PRODUCTS AB ; SCA MOELNYCKE AB

Assignee(s): MOELNYCKE A B ; SCA HYGIENE PRODUCTS AB GOETEBORG ; SCA HYGIENE PRODUCTS A ; SCA MOLNYCKE ABS ; SCA MOLNYCKE AB ; MOLNYCKE ABSE ; MOLNYCKE AB

Inventor(s): (std): WIDLUND URBAN ; URBAN WIDLUND

Agent(s): ERNESTO CAVELIER; REINHOLD COHN AND PARTNERS

Designated states: AT AU BE CA CH CN CZ DE DK ES FI FR GB GR HU IE IT JP LU MC MX NL NO NZ PL PT SE SK US

Title: **ABSORBENT** PANTS

Abstract: **Absorbent** pants having a waist opening, two leg openings, and a waterproof outer barrier **layer**, which is arranged outside the pants **layer**. The pants **layer** has a surface **area** which is greater than that of the outer barrier **layer** and is joined in parts with itself or includes a device for enabling it to be joined in parts with itself, so that during use of the pants it alone constitutes the waist opening and the leg openings of the pants, and that the load-bearing parts of the pants and all of the parts lying against the body of the user are formed only from the pants **layer**. The pants are also elastic, where the outer barrier **layer** is essentially inelastic.

Classifications:

International (IPC 8-9): A41B13/04 A61F13/15 A61F13/49 A61F13/494 A61F13/496 A61F13/68 A61F5/44 (Advanced/Invention);

A61F5/44 (Advanced/Non-invention);

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

International (IPC 1-7): //A61F13/68 A41B13/04 A61F A61F13/15

A61F13/20 A61F13/66 A61F13/68 A61F5/44

CPC: A61F13/513 A61F13/51305 A61F13/495 A61F13/496 A61F13/5148

A61F13/515 A61F2013/4951 A61F2013/4953 A61F2013/51486

European: A61F13/15B3K A61F13/15B3L A61F13/15C6 A61F13/495

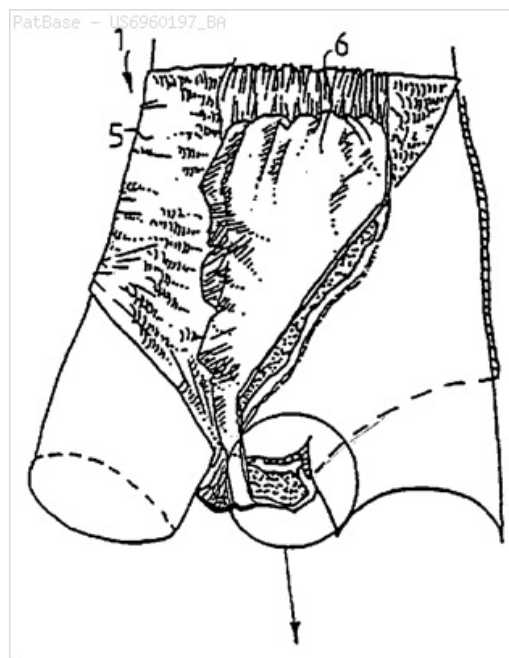
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K61F13/514C2A K61F13/514C4

US: 604/348 604/354 604/355 604/385.19 604/385.23 604/385.29

604/396

**Family:**

Publication number	Publication date	Application number	Application date
AT222738 E	20020915	AT19960902551T	19960201
AU199646817 A1	19960821	AU19960046817	19960201
AU700718 B2	19990114	AU19960046817	19960201
CA2212060 AA	19970731	CA19962212060	19960201
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GB2297474 A1	19960807	GB19960001716	19960129
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GB2325146 B2	19990303	GB19980014936	19960129
GB2325147 A1	19981118	GB19980014939	19960129
GB2325147 B2	19990303	GB19980014939	19960129
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Priority:

SE19950000386 19950202 GB19960001716 19960129 NZ19960301403 19960201
WO1996SE00118 19960201

Probable Assignee: SCA HYGIENE PRODUCTS AB

Assignee(s): (std): GUSTAFSSON ANDERS ; MOELNLYCKE AB ; SCA HYGIENE PROD AB ; SCA MOELNLYCKE AB ; SCA MOLNLYCKE AB ; SCA MOELNLYCKE AB GOETEBORG ; WIDLUND URBAN

Assignee(s): SCA HYGIENE PRODUCTS AB GOETEBORG GOTENBURG ; MOLNLYCKE AB ; SCA MOLNLYCKE AB ; SCA HYGIENE PRODUCTS AB ; M 247 LNLYCKE AB ; M AND 247 LNLYCKE AB

Inventor(s): (std): GUSTAFSSON A ; GUSTAFSSON ANDERS ; GUTAFSSON ANDERS ; ANDERS GUSTAFSSON ; URBAN WIDLUND ; WIDLUND U ; WIDLUND URBAN ; WIDLUND URBAN

Inventor(s): A GUSTAFSSON ; URBAN WIDLUND ; ANDERS GUTAFSSON ; U WIDLUND

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; FETHERSTONHAUGH AND CO; ERNESTO CAVELIER; BURNS DOANE SWECKER AND MATHIS LLP

Designated states: AT AU BE CA CH CN CZ DE DK ES FI FR GB GR HU IE IT JP LI LU MC MX NL NO NZ PL PT SE SK TR US

Title: Absorbent bodies in absorbent articles having improved liquid acquisition properties

Abstract: An absorbent article comprising a liquid-permeable casing sheet (1), a liquid-impermeable casing sheet (2) and an absorbent body (3) enclosed between the two casing sheets. The absorbent body (3) includes a liquid acquisition space (24) which consists of at least one cavity or one region of lower density than the density of an acquisition layer (19) located in said absorbent body (3) adjacent the space (24) and essentially in the same plane thereof. The acquisition layer (19) includes a material which when wetted increases in size in the thickness direction of the article (the z-direction). The article is mainly characterized in that the material in the acquisition layer (19) exhibits relatively low expansion in the plane of the article (the xy-direction) when wetted, such that the volume of the liquid-acquisition space (24) will increase by at least 100 percent, preferably by at least 200 percent, more preferably by at least 400 percent and most preferably by 900 percent when wetted.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/47 A61F13/49 A61F13/53

A61F13/534 A61F5/44 (Advanced/Invention);

A61F13/15 A61F13/47 (Advanced/Non-invention);

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

A61F13/15 (Core/Non-invention)

International (IPC 1-7): A61F13/15 A61F13/46 A61F13/49 A61F13/50

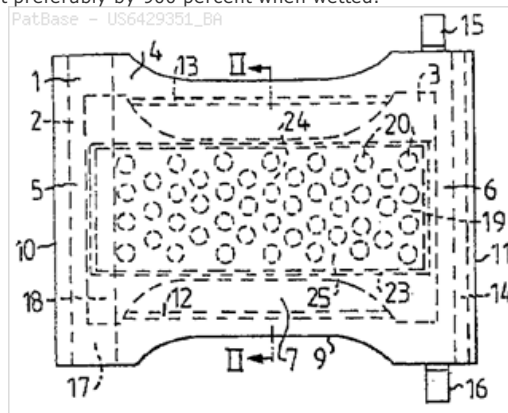
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CPC: A61F13/533 A61F13/535 A61F2013/4568 A61F2013/530861

European: A61F13/535 K61F13/15E1C2 K61F13/15E8S K61F13/45C4

K61F13/533 K61F13/53R5

US: 604/378 604/385.01



Family:

Publication number	Publication date	Application number	Application date
CZ9804264 A3	19990512	CZ19980004264	19970626
DE69715222 D1	20021010	DE19976015222	19970626
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EP0929279 B1	20020904	EP19970932086	19970626
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KR20000022310 A	20000425	KR19980710733	19970626
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US6429351 BA	20020806	US19980202454	19981215
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Priority:

SE19960002579 19960628 WO1997SE01152 19970626

Probable Assignee: SCA HYGIENE PRODUCTS AB

Assignee(s): (std): BUSCHKA ANETTE ; GUIDOTTI TED ; SCA HYGIENE PROD AB ; MOELNLYCKE AB ; GUSTAFSSON ANDERS ; SCA HYGIENE PROD GMBH ; SCA MOELNLYCKE AB ; SCA HYGIENE PRODUCTS AB ; WIDLUNG URBAN

Assignee(s): SCA HYGIENE PRODUCTS GMBH ; SCA HYGIENE PRODUCTS AB GOETEBORG GOTENBURG ; SCA HYGIENE PRODUCTS GMBHSE ; SCA HYGIENE PRODUCTS ABS

Inventor(s): (std): ANDERS GUSTAFSSON ; ANETTE BUSCHKA ; BUSCHKA ANETTE ; GUIDOTTI TED ; GUSTAFSSON ANDERS ; TED GUIDOTTI ; URB WIDLUND ; URBAN WIDLUND ; WIDLUND URB ; WIDLUNG URBAN ; WIDLUNG URBAN

Designated states: AT BE CH CZ DE DK ES FI FR GB GR IE IT JP KR LU MC MX NL PL PT RU SE SK US

Title: **ABSORBENT** ARTICLE WITH IMPROVED LIQUID-HANDLING ABILITY

Abstract: An **absorbent** article has two side edges (9, 10), two end edges (11, 12), a liquid-permeable surface **layer** (2), a liquid-tight surface **layer** (3), and an absorption body (4) arranged between the surface **layers** (2, 3). The absorption body (4) includes at least one intermediate storage part (22-25) arranged along a side edge (9, 10), in direct contact with a liquid transfer part (26). The liquid transfer part (26) has a higher liquid affinity than the intermediate storage **layer**, so the liquid transfer **layer** drains from the intermediate storage part (22-25) better than the intermediate storage part (22-25) drains liquid from the liquid transfer part (26).

Classifications:

International (IPC 8-9): A61F13/15 A61F13/49 A61F13/53 A61F13/535 A61F5/44 (Advanced/Invention);

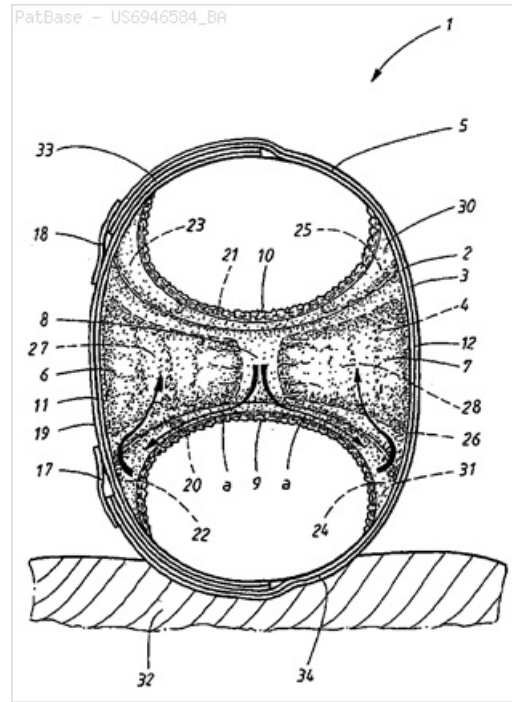
A61F13/15 A61F5/44 (Core/Invention)

International (IPC 1-7): A61F13/15 A61F13/49 A61F13/53 A61F13/535 A61F5/44

CPC: A61F13/515 A61F13/535 A61F13/53708

European: A61F13/515 A61F13/535 A61F13/537B

US: 604/375 604/378 604/385.101



Family:

Publication number	Publication date	Application number	Application date
AT287688 E	20050215	AT20000937425T	20000512
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AU200052599 A5	20010102	AU20000052599D	20000512
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WO0076446 A1	20001221	WO2000SE00947	20000512

Priority:

SE19990001941 19990528 WO2000SE00947 20000512

Probable Assignee: SCA HYGIENE PRODUCTS AB

Assignee(s): (std): GUIDOTTI TED ; MALMGREN KENT ; SCA HYGIENE PROD AB ; SCA HYGIENE PRODUCTS AB

Assignee(s): SCA HYGIENE PRODUCTS AB GOETEBORG GOTENBURG ; SCA HYGIENE PRODUCTS ABSE

Inventor(s): (std): GUIDOTTI TED ; KENT MALMGREN ; MALMGREN KENT ; TED GUIDOTTI

Agent(s): BURNS DOANE SWECKER AND MATHIS LLP

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

Title: **Absorbent** article with improved liquid-handling ability

Abstract: An **absorbent** article with a **longitudinal** direction and a **transverse** direction, a **center line** (29) running in the **longitudinal** direction, a **center line** running in the **transverse** direction, two side edges (9, 10) running in the **longitudinal** direction, two end edges (11, 12) running in the **transverse** direction, and including a liquid-permeable surface **layer** (2), a liquid-tight surface **layer** (3), a side barrier pocket (40, 41) arranged along each side edge (9, 10) and having an opening directed towards the **longitudinal center line**, and an absorption body (4) enclosed between the surface **layers** (2, 3). The absorption body (4) includes at least one intermediate storage part (22-25) and a liquid transfer part (26). The intermediate storage part (22-25) is arranged along a side edge (9, 10), in direct contact with the liquid transfer part (26), and inside a side barrier pocket (40, 41). The transport of liquid between the material in the intermediate storage part (22-25) and the liquid transfer part (26) is such that the liquid transfer part (26) drains liquid from the intermediate storage part (22-25).

Classifications:

International (IPC 8-9): A61F13/15 A61F13/49 A61F13/49A A61F13/53

A61F13/535 A61F5/44 (Advanced/Invention);

A61F13/15 A61F5/44 (Core/Invention)

International (IPC 1-7): A61F13/15 A61F13/49 A61F13/49A A61F13/53

A61F13/535 A61F5/44

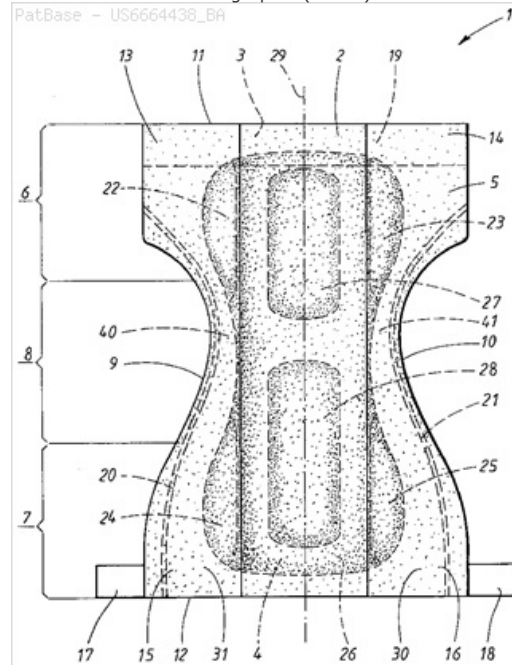
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A61F2013/53721 A61F2013/53778

European: A61F13/532B A61F13/535 A61F13/537B K61F13/537B5

K61F13/537E3 K61F13/53P1

US: 604/378 604/385.28



Family:

Publication number	Publication date	Application number	Application date
AT273678 E	20040915	AT20000935776T	20000512
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AU200051186 A5	20010102	AU20000051186D	20000512
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DE60013144 D1	20040923	DE20006013144	20000512
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EP1207833 A1	20020529	EP20000935776	20000512
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MXPA01011821 A1	20020424	MX2001PA11821	20000512
PL352165 A1	20030728	PL20000352165	20000512
RU2001135837 A	20030820	RU20010135837	20000512
SE514213 C2	20010122	SE19990001942	19990528
SE9901942 A	20001129	SE19990001942D	19990528
SE9901942 A0	19990528	SE19990001942	19990528
SE9901942 L	20001129	SE19990001942	19990528
US6664438 BA	20031216	US20000550796	20000417
WO0076445 A1	20001221	WO2000SE00946	20000512

Priority:

SE19990001942 19990528 WO2000SE00946 20000512

Probable Assignee: SCA HYGIENE PRODUCTS AB

Assignee(s): (std): GUIDOTTI TED ; SCA HYGIENE PROD AB ; SCA HYGIENE PRODUCTS AB

Assignee(s): SCA HYGIENE PRODUCTS AB GOETEBORG GOTENBURG ; SCA HYGIENE PRODUCTS ABSE

Inventor(s): (std): GUIDOTTI TED ; TED GUIDOTTI

Agent(s): ERNESTO CAVELIER

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

Title: FASTENING MEANS FOR AN **ABSORBENT** ARTICLE AND AN **ABSORBENT** ARTICLE

Abstract: Fastening means for fastening of an **absorbent** article, such as a diaper, an incontinence guard or the like, on a user and an **absorbent** article comprising such fastening means. The **absorbent** article comprises a **central** portion (30), projecting front and/or rear side portions (31, 32) located on each side of the **central** portion and at least one soft and inelastic fastening tab (1) which at one of its ends is joined to the **absorbent** article to any of the side portions, characterised in, that the relationship between smallest height H of the fastening tab along the projecting part of the fastening tab and the projecting part U of the fastening tab is such that $H/U > 2$.

Classifications:

International (IPC 8-9): A61F13/49 A61F13/56 A61F13/58 A61F13/62 A61F5/44 (Advanced/Invention);

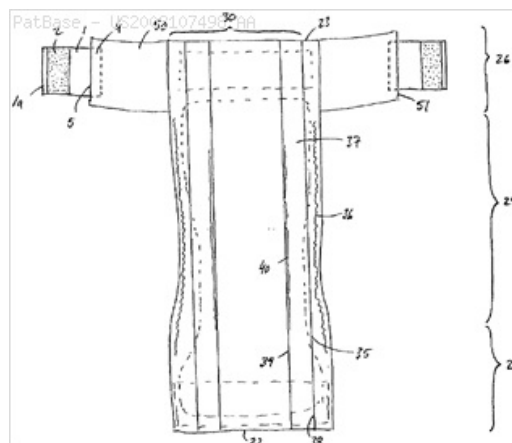
A61F13/15 A61F13/56 A61F5/44 (Core/Invention)

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

CPC: A61F13/622 A61F13/5633 A61F13/58

European: A61F13/56C A61F13/58 A61F13/62

US: 604/389 604/391 604/392



Family:

Publication number	Publication date	Application number	Application date
AT318569 E	20060315	AT20010270294T	20011212
AU200216523 A1	20020624	AU20020016523	20011212
AU200216523 A5	20020624	AU20020016523	20011212
AU2002216523 AA	20020624	AU20020216523	20011212
DE60117462 D1	20060427	DE20016017462	20011212
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EP1349526 A1	20031008	EP20010270294	20011212
EP1349526 B1	20060301	EP20010270294	20011212
JP2004515316 T2	20040527	JP20020549174T	20011212
MXPA03005020 A1	20030925	MX2003PA05020	20011212
PL361982 A1	20041018	PL20010361982	20011212
SE200004646 A	20020615	SE20000004646D	20001214
SE200004646 A0	20001214	SE20000004646	20001214
SE200004646 L	20020615	SE20000004646	20001214
SE521210 C2	20031014	SE20000004646	20001214
US2002107498 AA	20020808	US20010013447	20011213
WO0247597 A1	20020620	WO2001SE02765	20011212

Priority:

SE20000004646 20001214 US20000255112P 20001214 WO2001SE02765 20011212
US20010013447 20011213

Probable Assignee: SCA HYGIENE PRODUCTS AB

Assignee(s): (std): BLENNAR ANNA ; JOHANSSON MARIE ; JONBRINK ANNA KARIN ; KLING ROBERT ; SCA HYGIENE PROD AB ; SCA HYGIENE PRODUCTS AB

Assignee(s): SCA HYGIENE PRODUCTS AB GOETEBORG GOTENBURG

Inventor(s): (std): BLENNAR ANNA ; JOENBRINK ANNA KARIN ; JOHANSSON MARIE ; JONBRINK ANNA KARIN ; KLING ROBERG ; KLING ROBERT ; MARIE JOHANSSON ; ANNA BLENNAR ; ANNA KARIN JOENBRINK ; ROBERT KLING

Inventor(s): ANNA KARIN JONBRINK ; ROBERG KLING

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

Title: **ABSORBENT** ARTICLE HAVING IMPROVED FIT AND ENHANCED **ABSORBENT** CAPACITY AND METHOD FOR MANUFACTURING THIS **ABSORBENT** ARTICLE

Abstract: An **absorbent** article with a longitudinal direction and a **transverse** direction and comprising an absorption body (104) enclosed in a cover (102, 103), wherein the cover (102, 103) has a fluid-permeable surface (102) and a fluid-impermeable surface (103) and wherein the absorption body (104) comprises at least one **absorption layer** (124), exhibiting a penetrating slit with a **first** cut edge (126) and a **second** cut edge (127). The **absorption layer** is shaped by the material on both sides of the two cut edges (126, 127) being moved in a direction essentially at right angles to the slit and being locked in the moved position. The invention also pertains to a method of manufacturing a shaped **absorption layer** (924) with a penetrating slit (925), the cut edges being moved together, or apart.

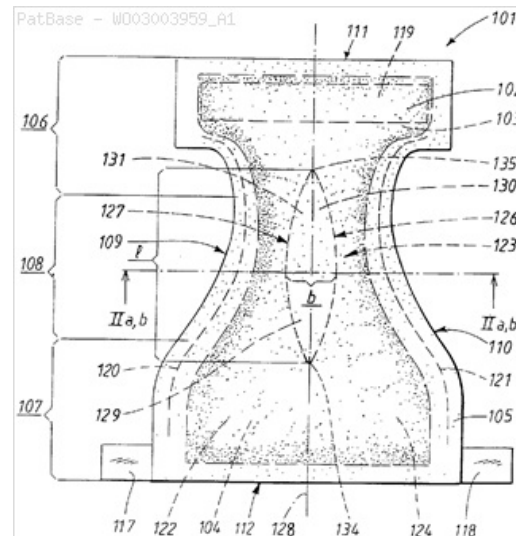
Classifications:

International (IPC 8-9): A61F13/15 A61F13/472 A61F13/49 A61F13/53 A61F13/534 A61F5/44 (Advanced/Invention); A61F13/15 A61F5/44 (Core/Invention); A61F (Subclass/Invention)

International (IPC 1-7): A61F13/15 A61F13/472 A61F13/49 A61F13/53 A61F13/534 A61F5/44 H04L29/06 H04L9/08

CPC: A61F13/15585 A61F13/15666 A61F13/15699 A61F13/15707 A61F13/15723 A61F13/472 A61F13/49 A61F13/535 A61F13/4704 A61F13/49001 A61F13/4755

European: A61F13/15M2 A61F13/15M4 A61F13/15M5 A61F13/15M6 A61F13/15M6B A61F13/472 A61F13/49 A61F13/535



Family:

Publication number	Publication date	Application number	Application date
CO5540365 A2	20050729	CO20030113379	20031230
EP1404272 A1	20040407	EP20020746276	20020704
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SE200102431 A	20030106	SE20010002431D	20010705
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WO03003959 A1	20030116	WO2002SE01330	20020704

Priority:

SE20010002431 20010705 SE20010002432 20010705 SE20010002434 20010705
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Probable Assignee: SCA HYGIENE PROD AB

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

Inventor(s): (std): FERNFORS INGEMAR ; FIHN GERD ; GERD FIHN ; HANSSON ROY ; INGEMAR FERNFORS ; ROY HANSSON

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

Title: **ABSORBENT** ARTICLE HAVING IMPROVED FIT AND ENHANCED ABSORPTION CAPACITY

Abstract: An **absorbent** article with a **longitudinal** direction and a **transverse** direction and comprising an absorption body (104) enclosed in a cover (102,103), wherein the cover (102,103) has a fluid-permeable surface (102) and a fluid-impermeable surface (103) and wherein the absorption body (104) comprises at least one **absorption layer** (124), exhibiting a penetrating slit with a **first** cut edge (126) and a **second** cut edge (127). The **absorption layer** is shaped by the material on both sides of the two cut edges (126, 127) being moved in a direction essentially at right angles to the slit and being locked in the moved position. The invention also pertains to a method of manufacturing a shaped **absorption layer** (924) with a penetrating slit (925), the cut edges being moved together, or apart.

Classifications:

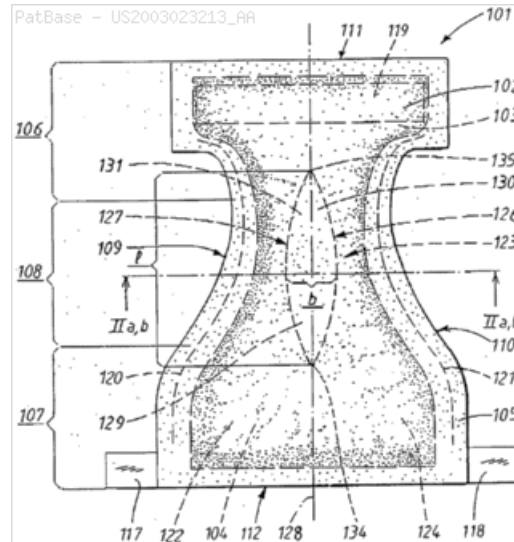
International (IPC 8-9): A61F13/15 (Advanced/Invention);
A61F13/15 (Core/Invention)

International (IPC 1-7): A61F13/20

CPC: A61F13/47218 A61F13/474 A61F13/493 A61F13/532 A61F13/534
A61F13/539 A61F2013/530802

European: A61F13/472B A61F13/474 A61F13/493 A61F13/532
A61F13/534 A61F13/539 K61F13/53R

US: 604/359 604/359P 604/385.201 604/385.21



Family:

Publication number	Publication date	Application number	Application date
US2003023213 AA	20030130	US20020187831	20020703
US7022114 BB	20060404	US20020187831	20020703

Priority:

US20010302667P 20010705 US20010302668P 20010705 US20010302669P 20010705
US20010302670P 20010705 US20020187831 20020703

Probable Assignee: SCA HYGIENE PRODUCTS AB

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

Assignee(s): SCA HYGIENE PRODUCTS AB ; SCA HYGIENE PRODUCTS AB SE ; FERNFORS INGEMAR ; FIHN GERD

Inventor(s): (std): FERNFORS INGEMAR ; FIHN GERD

Agent(s): BUCHANAN INGERSOLL PC

Title: **ABSORBENT** ARTICLE WITH RESILIENT PORTION AND METHOD FOR MANUFACTURING THE SAME

Abstract: Disclosed is an **absorbent** article including: a liquid-permeable topsheet on its skin surface; a backsheet on its garment surface; and an **absorbent layer** therebetween. **First compressed** portions and **second compressed** portions, in which the **absorbent layer** is **compressed** together with at least the topsheet, extend **longitudinally** of the **absorbent** article. The **first compressed** portions are disposed symmetrically about a **longitudinal centerline** of the **absorbent** article to define a **central absorbent** portion having the **absorbent layer** therebetween. The **second compressed** portions are disposed symmetrically about the **longitudinal centerline** and spaced outwardly apart from the **first compressed** portions. When the **central absorbent** portion is laterally **compressed** by an external force, resilient portions each defined between each adjacent pair of **first** and **second compressed** portions are permitted to exert a resilience against **compression** on the **central absorbent** portion.

Classifications:

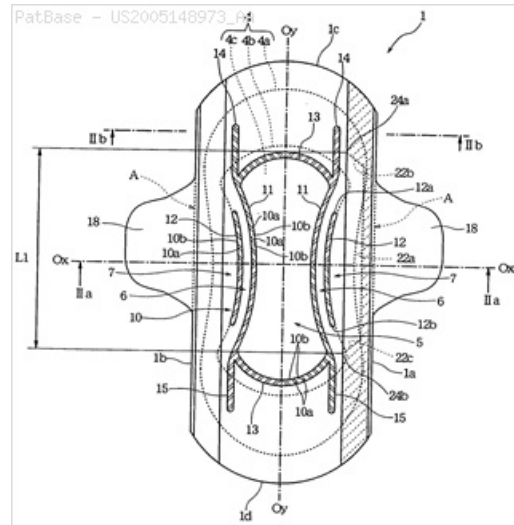
International (IPC 8-9): A61F13/15 A61F13/20 A61F13/472 A61F13/475 A61F13/49 A61F13/494 A61F13/53 A61F13/533 A61F13/536 A61F13/539 A61F5/44 A61F5/455 (Advanced/Invention); A61F13/53 A61F13/533 (Advanced/Non-invention); A61F13/15 A61F13/20 A61F13/472 A61F13/49 A61F13/494 A61F13/53 (Core/Invention)

International (IPC 1-7): A61F13/15 A61F13/20 A61F13/472 A61F13/475 A61F13/49 A61F13/494 A61F13/53 A61F13/533 A61F13/536 A61F13/539 A61F5/44 A61F5/455

CPC: A61F13/15203 A61F13/4704 A61F13/4756 A61F13/532 A61F13/47218 A61F13/533 A61F13/536 A61F13/539

European: A61F13/15J A61F13/472B A61F13/475A3 A61F13/47B A61F13/532 A61F13/533 A61F13/536 A61F13/539

US: 604/380 604/380P 604/385.31



Family:

Publication number	Publication date	Application number	Application date
AU2003261984 AA	20040329	AU20030261984	20030908
AU2003261984 AH	20040329	AU20030261984	20030908
CN100409829 C	20080813	CN20038014631	20030908
CN1662201 A	20050831	CN20038014631	20030908
CN1961851 A	20070516	CN200610149491	20030908
CN1961851 B	20110713	CN200610149491	20030908
JP2004154154 A2	20040603	JP20020276393	20020920
JP4180866 B2	20081112	JP20020276393	20020920
KR101013477 B1	20110214	KR20057001087	20050120
KR20050035867 A	20050419	KR20057001087	20030908
MY156055 A	20151231	MY20030003231	20030826
TH59648 B	20171226	TH20031003354	20030909
TH61027 A	20040227	TH20031003354	20030909
TW200414893 A	20040816	TW20030124917	20030909
TWI230056 B	20050401	TW20030124917	20030909
US2005148973 AA	20050707	US20050059132	20050215
US7550646 BB	20090623	US20050059132	20050215
VN11030 A1	20130225	VN20040001218	20030908
WO04021947 A1	20040318	WO2003JP11408	20030908

Priority:

JP20020263453 20020909 JP20020276393 20020920 WO2003JP11408 20030908
US20050059132 20050215

Probable Assignee: UNI CHARM CORP

Assignee(s): (std): KOMATSU SHIMPEI ; MIZUTANI SATOSHI ; SUEKANE MAKOTO ; TAMURA TATSUYA ; UNI CHARM CORP ; UNICHARM CORP

Assignee(s): UNI CHARM CO LTD

Inventor(s): (std): KOMATSU SHIMPEI ; KOMATSU SHINPEI ; MAKOTO SUEKANE ; MAKOTO TAMURA TATSUYA MIZUTANI ; MIZUTANI SATOSHI ; SATOSHI MIZUTANI ; SHIMPEI KOMATSU ; SUEKANE MAKOTO ; TAMURA TATSUYA ; TATSUYA TAMURA

Inventor(s): TAMURA TATSUYA MIZUTANI SATOSHI KOMATSU... ; 769-1602 ; TAMURA TATSUYA MIZUTANI SATOSHI KOMATSU SHIMPEI SU

Agent(s): DARBY AND DARBY PC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT 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 US UZ VC VN YU ZA ZM ZW

Title: SHAPE-ADAPTED **ABSORBENT** ARTICLE HAVING IMPROVED ABSORPTION CAPACITY

Abstract: An **absorbent** article with a **longitudinal** direction and a **transverse** direction and including an absorption body which is enclosed in a cover and has at least one **absorption layer**, the cover having a liquid-permeable surface and a liquid-impermeable surface. The absorption body has a **second** absorption part which is separate from and displaced in the **longitudinal** direction from a **first** absorption part. The **first** absorption part has a tongue-shaped portion adapted to be arranged in between two legs extending essentially in the **longitudinal** direction on the **second** absorption part so that fold indications are formed in the absorption body between the tongue-shaped portion and at least each leg. Also relates to a method for manufacturing an **absorbent** article as described above.

Classifications:

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

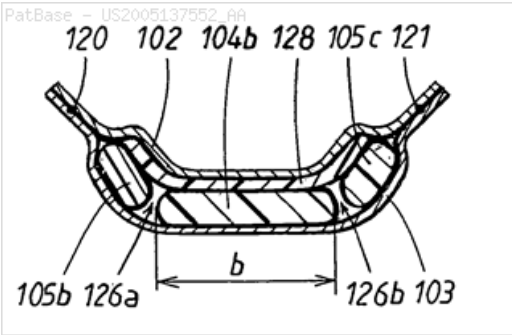
A61F13/15 A61F13/20 (Core/Invention)

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

CPC: A61F13/493 A61F13/532

European: A61F13/493 A61F13/532

US: 604/385.01 604/385.010P



Family:

Publication number	Publication date	Application number	Application date
US2005137552 AA	20050623	US20040019478	20041223

Priority:

US20030531611P 20031223 US20040019478 20041223

Probable Assignee: SCA HYGIENE PRODUCTS AB

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

Assignee(s): SCA HYGIENE PRODUCTS AB

Inventor(s): (std): ASP FREDRIK ; CARLEN HENRIK ; HANSSON MORGAN

Agent(s): BURNS DOANE SWECKER AND MATHIS L L P

Title: SHAPE-ADAPTED **ABSORBENT** ARTICLE WITH IMPROVED ABSORPTION CAPACITY

Abstract: The invention relates to an **absorbent** article with a **longitudinal** direction and a **transverse** direction and comprising an absorption body which is enclosed in a cover and comprises at least one **absorption layer**, the cover having a liquid-permeable surface (102) and a liquid-impermeable surface (103). The absorption body comprises a **second** absorption part (105, 305, 405) which is separate from and displaced in the **longitudinal** direction from a **first** absorption part (104, 304, 404). The **first** absorption part (104, 304, 404) has a tongue-shaped portion (104b, 304b, 404b) intended to be arranged in between two legs (105b, c; 305b, c; 405b, c) extending essentially in the **longitudinal** direction on the **second** absorption part (105, 305, 405) so that fold indications (126a, b; 326a, b; 426a, b) are formed in the absorption body between the tongue-shaped portion (104b, 304b, 404b) and at least each leg (105b, c; 305b, c; 405b, c). The invention also relates to a method for manufacturing an **absorbent** article as described above.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/49 A61F13/493 A61F13/53

A61F5/44 (Advanced/Invention);

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

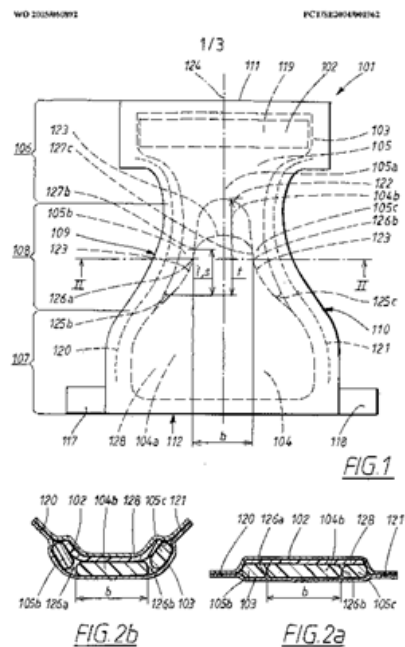
A61F A61L (Subclass/Invention)

International (IPC 1-7): A61F13/15

CPC: A61F13/49 A61F13/493

European: A61F13/49 A61F13/493

PatBase - WO05060892_A1



Family:

Publication number	Publication date	Application number	Application date
AU2004305418 AA	20050707	AU20040305418	20041222
AU2004305418 BB	20100325	AU20040305418	20041222
BRPI0418040 A	20070417	BR2004PI18040	20041222
CA2548664 AA	20060602	CA20042548664	20041222
CN1897901 A	20070117	CN200480038755	20041222
CN1897901 B	20110427	CN200480038755	20041222
CO5700692 A2	20061130	CO20060068287	20060713
DE602004043694 D1	20131224	DE200460043694T	20041222
EP1696852 A1	20060906	EP20040809135	20041222
EP1696852 B1	20131030	EP20040809135	20041222
JP2007516034 T2	20070621	JP20060546915T	20041222
JP4907358 B2	20120328	JP20060546915T	20041222
MXPA06007061 A1	20060904	MX2006PA07061	20041222
RU2006122398 A	20071227	RU20060122398	20041222
RU2366394 C2	20090910	RU20060122398	20041222
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WO05060892 A1	20050707	WO2004SE01962	20041222
ZA200605166 A	20071227	ZA20060005166	20060622

Priority:

SE20030003521 20031223 EP20040809135 20041222 WO2004SE01962 20041222

Probable Assignee: SCA HYGIENE PROD AB

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

Assignee(s): SKA KHAJDZHIN PRODAKTS AB ; ASP FREDRIK ; CARLEN HENRIK ; HANSSON MORGAN

Inventor(s): (std): CARLEN HENRIK ; FREDRIK ASP ; HANSSON MORGAN ; HENRIK CARLEN ; MORGAN ASP FREDRIK CARLEN HENR ; MORGAN HANSSON ; OLSSON HENRIK ; ASP FREDRIK ; KHANSSON MORGAN ; KARLEN KHENRIK

Inventor(s): ASP FREDRIK CARLEN HENRIK HANSSON MORGAN ; HENRIK OLSSON

Agent(s): WATERMARK INTELLECTUAL PROPERTY PTY LTD; WATERMARK PATENT AND TRADE MARKS ATTORNEYS; FETHERSTONHAUGH AND CO; ERNESTO CAVELIER; ZACCO DR PETERS U PARTNER; ROMARE LAILA ANETTE

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
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Title: SANITARY NAPKIN

Abstract: Disclosed is a sanitary napkin which is allowed to quickly **absorb** menstrual blood and also effective in preventing **absorbed** menstrual blood from returning to the skin-side surface under pressure and in concealing the color of **absorbed** menstrual blood from the outside. Between a liquid **absorbent layer** and a topsheet formed of a resin film having a large number of liquid passage apertures, there is disposed a barrier **layer** formed of a resin film having a large number of liquid passage apertures. The barrier **layer** is composed of a plurality of strip-shaped elements, and liquid passage regions are defined between adjacent elements of the barrier **layer**. After passing through the liquid passage apertures of the topsheet, menstrual blood tends to be **absorbed** by the liquid **absorbent layer** through the liquid passage regions. The barrier **layer** functions to prevent liquid return and conceal the color of menstrual blood.

Classifications:

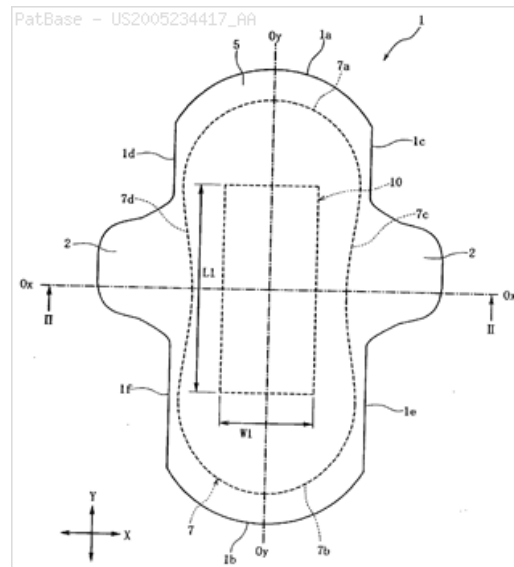
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International (IPC 1-7): A61F13/15 A61F13/20 A61F13/51 A61F13/511 A61F13/539

CPC: A61F13/15 A61F13/53704 A61F13/53713 A61F13/53717 A61F13/53747 A61F2013/53782

European: A61F13/15 A61F13/537A A61F13/537B2 A61F13/537B4 A61F13/537C2 K61F13/537E4

US: 604/358 604/358S 604/378 604/378P



Family:

Publication number	Publication date	Application number	Application date
JP2005296480 A2	20051027	JP20040119854	20040415
TH75962 A	20060223	TH20051001607	20050408
TW200534833 A	20051101	TW20050109804	20050329
TWI256300 B	20060611	TW20050109804	20050329
US2005234417 AA	20051020	US20050097494	20050401
WO05099640 A1	20051027	WO2005JP06749	20050406
WO05099640 C2	20051208	WO2005JP06749	20050406

Priority:

JP20040119854 20040415

Probable Assignee: UNI CHARM CORP

Assignee(s): (std): NODA YUUKI ; TAMAGAWA NORITATSU ; TOKUMOTO MEGUMI ; UNI CHARM CORP ; UNI CHARM LTD ; YOSHIMASA WATARU

Assignee(s): UNI CHARM CO LTD

Inventor(s): (std): NODA YUKI ; NODA YUUKI ; TAMAGAWA KUNITATSU ; TAMAGAWA NORITATSU ; TOKUMOTO MEGUMI ; YOSHIMASA WATARU

Agent(s): DARBY AND DARBY PC

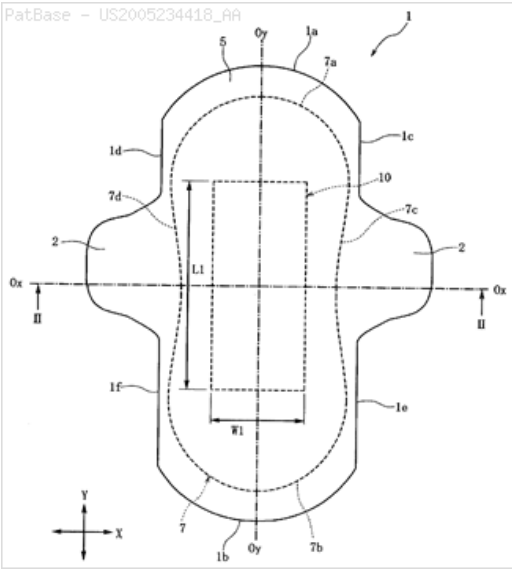
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Title: SANITARY NAPKIN

Abstract: Disclosed is a sanitary napkin which is allowed to quickly absorb menstrual blood and also effective in preventing absorbed menstrual blood from returning to the skin-side surface under pressure and in concealing the color of absorbed menstrual blood from the outside. Between a liquid absorbent layer and a topsheet formed of a resin film having a large number of liquid passage apertures, there is disposed a large number of barrier members having a small width. The barrier members are strips formed of a resin film, and gaps are left between adjacent barrier members. After passing through the liquid passage apertures of the topsheet, menstrual blood tends to be absorbed by the liquid absorbent layer through the gaps. The barrier members also function to prevent liquid return and conceal the color of menstrual blood.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/20 A61F13/511
A61F13/539 (Advanced/Invention);
A61F13/15 A61F13/20 A61F13/51 (Core/Invention)
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A61F13/539
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A61F13/53747 A61F2013/53463 A61F2013/53765 A61F2013/53782
A61F2013/530167
European: A61F13/15 A61F13/537A A61F13/537B2 A61F13/537B4
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US: 604/358 604/358S 604/378 604/378P



Family:

Publication number	Publication date	Application number	Application date
JP2005296481 A2	20051027	JP20040119855	20040415
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TH75963 A	20060223	TH20051001608	20050408
TW200534832 A	20051101	TW20050108632	20050321
US2005234418 AA	20051020	US20050097522	20050401
WO05099641 A1	20051027	WO2005JP06750	20050406

Priority:

JP20040119855 20040415

Probable Assignee: UNI CHARM CORP

Assignee(s): (std): NODA YUUKI ; TAMAGAWA NORITATSU ; TOKUMOTO MEGUMI ; UNI CHARM CORP ; YOSHIMASA WATARU

Assignee(s): UNI CHARM CO LTD

Inventor(s): (std): NODA YUKI ; NODA YUUKI ; TAMAGAWA KUNITATSU ; TAMAGAWA NORITATSU ; TOKUMOTO MEGUMI ; YOSHIMASA WATARU

Agent(s): DARBY AND DARBY 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 KE KG KM KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: DISPOSABLE WEARING ARTICLE**Abstract:** A disposable wearing article includes a backsheet which is composed of inner and outer sheets and a light transmission in a region of the backsheet in which the inner and outer sheets are placed upon each other is in a range of 20 to 50 percent.

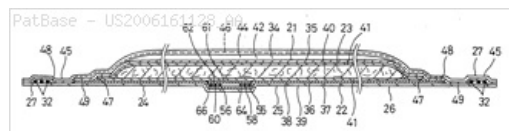
First and **second** elastic members constituting leg elastic members are colored in substantially the same white or milky white as that of the inner and outer sheets and respective intermediate segments of these elastic members are sandwiched between a liquid-**absorbent layer** and the inner sheet. The inner and outer sheets conceal the respective intermediate segments of these elastic members so that the respective intermediate segments of the elastic members are not highly visible and the article is protected from any deterioration of its appearance.

Classifications:**International (IPC 8-9):** A61F13/00 A61F13/15 A61F13/49 A61F13/494

A61F13/496 A61F13/514 A61F5/44 (Advanced/Invention);

A61F13/15 A61F13/49 A61F13/514 (Advanced/Non-invention);

A41B13/00 A61F13/15 A61F5/44 (Core/Invention)

International (IPC 1-7): A41B13/00 A61F13/15**CPC:** A61F13/49017 A61F13/49019 A61F13/51496**European:** A61F13/49D2E A61F13/49D2F A61F13/514D**US:** 604/385.01 604/385.24 604/385.240P 604/385.25 604/385.27**Family:**

Publication number	Publication date	Application number	Application date
CN101106963 A	20080116	CN200680002580	20060119
CN101106963 B	20110921	CN200680002580	20060119
CN101919765 A	20101222	CN201010256224	20060119
CN101919765 B	20120704	CN201010256224	20060119
EP1844748 A1	20071017	EP20060712007	20060119
EP1844748 A4	20110914	EP20060712007	20060119
JP2008161205 A2	20080717	JP20050012079	20050119
JP2011224404 A2	20111110	JP20110178596	20110817
JP4845383 B2	20111228	JP20050012079	20050119
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KR101236682 B1	20130222	KR20077018623	20060119
KR20070095411 A	20070928	KR20077018623	20060119
MY141400 A	20100430	MY20060000227	20060118
TH49229 B	20160425	TH20061000180	20060118
TH78595 A	20060706	TH20061000180	20060118
TW200640425 A	20061201	TW20060100344	20060104
TWI290039 B	20071121	TW20060100344	20060104
US2006161128 AA	20060720	US20060334533	20060119
US7226438 BB	20070605	US20060334533	20060119
WO06077938 A1	20060727	WO2006JP300761	20060119

Priority:

JP20050012079 20050119 WO2006JP300761 20060119 JP20110178596 20110817

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

Title: DISPOSABLE WASTE CONTAINMENT ARTICLE AND A COMBINATION OF TWO ARTICLES WORN SIMULTANEOUSLY

Abstract: A disposable waste containment article is disclosed along with a combination of using two articles simultaneously. The article includes a bodyside **layer** having a **first** surface and an outer perimeter, and a garment facing **layer** having an outer perimeter approximately coincident with the outer perimeter of the bodyside **layer**. An **absorbent layer** is positioned between the bodyside **layer** and the garment facing **layer**. A seal secures the bodyside **layer** to the garment facing **layer**. The seal is located inward of the outer perimeters. An ingress is formed in the bodyside **layer** and is aligned with one of the waste orifices present in a human body such that waste from the human body can pass through the ingress and be collected in the waste containment article. The waste containment article also includes a body adhesive for securing the **first** surface to the wearer's body.

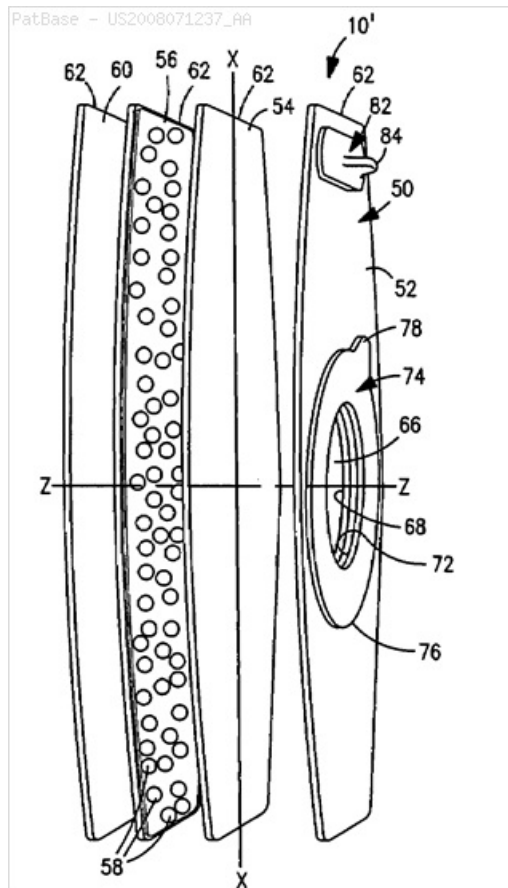
Classifications:

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CPC: A61F13/82 A61F5/451 A61F13/471 A61F13/495 A61F13/505 A61F13/512 A61F13/515 A61F2013/4953

European: A61F13/471 A61F13/495 A61F13/505 A61F13/512 A61F13/515 A61F13/82 A61F5/451 K61F13/495B

US: 4/144.1 4/144.3 604/317 604/322 604/327 604/344 604/352 604/352P 604/385.03 604/385.030P 604/385.05 604/385.050S



Family:

Publication number	Publication date	Application number	Application date
AU2007297694 AA	20080327	AU20070297694	20070919
AU2007297694 BB	20120830	AU20070297694	20070919
BRPI0717593 A2	20131217	BR2007PI17593	20070919
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IL197511 A0	20091224	IL20070197511	20070919
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JP2010504150 T2	20100212	JP20090529216T	20070919
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Priority:

US20060845771P 20060920 US20070901635 20070917 EP20070838471 20070919
WO2007US20264 20070919 US20110065288 20110317

Probable Assignee: TISTERON LTD

Assignee(s): (std): CHEN RON ; GOLDWASSER MOSHE ; GOLDWASSER MOSHE D ; KELLENBERGER STANLEY ; KELLENBERGER STANLEY R ; TISTERON LTD

Inventor(s): (std): CHEN RON ; GOLDWASSER MOSHE ; GOLDWASSER MOSHE D ; KELLENBERGER STANLEY ; KELLENBERGER STANLEY R

Inventor(s): MOSHE GOLDWASSER ; RON CHEN ; STANLEY KELLENBERGER

Agent(s): SPRUSON AND FERGUSON; MACRAE AND CO; DIEHL AND PARTNER; DIEHL AND PARTNER GBR; REINHOLD COHN AND PARTNERS; YESIM METIN; WILHELM LAW SERVICE SC; THOMAS J; WILHELM LAW SC; CONNELLY THOMAS ET AL

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

Title: **ABSORBENT** STRUCTURE

Abstract: The present invention relates to an **absorbent** structure, preferably for use in **absorbent** products, such as used in the food, consumer, household, building and construction, beauty and medical industry, and as used in the personal hygiene industry. The substantially cellulose free **absorbent** structures continuously immobilise **absorbent** polymer material via initial smaller pockets and subsequently larger compartments allowing excellent fluid management of the **absorbent** polymer material in dry, partially and fully liquid loaded state. Preferably such **absorbent** structure volume increases are result of temporary secondary attachment patterns made in combination with substantially permanent primary attachment grids allowing the release of bigger volumes from the initial smaller volumes by detachment of the secondary attachments. Furthermore the **absorbent** structure according to an embodiment of the invention non-homogeneously swells to form a liquid-managing surface structure as a result of exposing the **absorbent** structure to liquid. The present invention foresees in the need for improved flexible, thin, lightweight **absorbent** structures which overcome the **absorbency** problems of the prior art during absorption, distribution and retention of liquids with optimal fit.

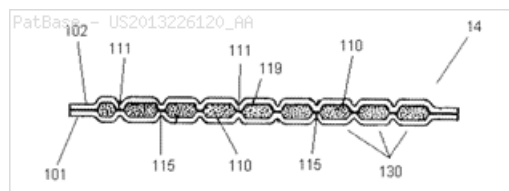
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CPC: A61F13/15658 B32B7/04 B32B3/28 B32B5/16 B32B37/0076 D04H1/465 A61F13/15585 A61F13/539 A61F2013/530562 A61F2013/530591 B05C1/10 B05C19/04 B05D1/32 B05D2401/32 B32B5/30 B32B37/24 B32B2555/02 A61F13/5323 Y10T428/239 Y10T428/24893

European: A61F13/15M3G A61F13/532B A61F13/539 B32B7/04

US: 156/379.8 156/390 156/62.2 156/70 28/104 428/206 428/76 604/372 604/384

**Family:**

Publication number	Publication date	Application number	Application date
AU2011316136 AA	20120419	AU20110316136	20111013
AU2016203745 AA	20160623	AU20160203745	20160604
AU2016203745 BB	20171019	AU20160203745	20160604
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EP2810630 A1	20141210	EP20140183749	20111013
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EP3292847 A1	20180314	EP20170198061	20111013
EP3292848 A1	20180314	EP20170198063	20111013
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EP3292850 A1	20180314	EP20170198067	20111013
FR2966039 A3	20120420	FR20110059247	20111013
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JP3172565 U	20111222	JP20110006001U	20111013
US2013226120 AA	20130829	US20110879454	20111013
US2014039437 AA	20140206	US20110879498	20111013
US9603750 BB	20170328	US20110879498	20111013
WO12048878 A1	20120419	WO2011EP05138	20111013
WO12048879 A1	20120419	WO2011EP05139	20111013

Priority:

EP20100447022	20101013	EP20100447023	20101013	EP20100447024	20101013
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EP20110773682	20111013	EP20140183749	20111013	AU20160203745	20160604
AU20180200300	20180112	AU20180200301	20180112	AU20180200299	20180112

Probable Assignee: DRYLOCK TECHNOLOGIES NV

Assignee(s): (std): DRYING TECH CO ; DRYLOCK TECH NV ; ROMANOVA BVBA STARTER ; ROMANOVA BVA STARTER ; VAN DE MAELE MARLEEN ; DRYLOK TECH NV

Assignee(s): DRYLOK TECHNOLOGIES NV ; DRYLOCK TECHNOLOGIES NV ; DRYING TECHNOLOGY CO
Inventor(s): (std): VAN DE MAELE MARLEEN
Inventor(s): MARLEEN VAN DE MAELE
Agent(s): DENNEMEYER AND ASSOCIATES; BRANTS JOHAN P E; DENNEMEYER AND ASSOCIATES SA; D HALLEWEYN
NELE VEERLE TREES GERTRUDIS; CABINET BECKER ET ASSOCIES; SHOJI TAKASHI; SUKENOBU YURIKO;
DENNEMEYER AND ASSOCIATES LLC; HOEBEN FERDINAND EGON
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
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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

Title: METHOD OF MANUFACTURING **ABSORBENT** ARTICLE

Abstract: A method of manufacturing as **absorbed** article includes a **first absorption layer**-forming step of forming a **first absorption layer** configuring the **absorber**, and a **second absorption layer**-forming step of forming a **second absorption layer** configuring the **absorber**, and laminated on to the **first absorption layer**. In the **first absorption layer**-forming step, a **first absorption layer** is formed while forming the curving unit in symmetry with respect to a virtual **central line** dividing a width of the **absorber** in the widthwise direction into two, and extending in the **longitudinal** direction, and in the **second absorption layer**-forming step, the **second absorption layer** is formed without providing the curving unit in a **crotch** region that is adapted to be in contact with a **crotch** of the wearer.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/49 A61F13/53 A61F13/534

A61F13/535 A61F13/537 (Advanced/Invention);

A61F13/45 (Advanced/Non-invention)

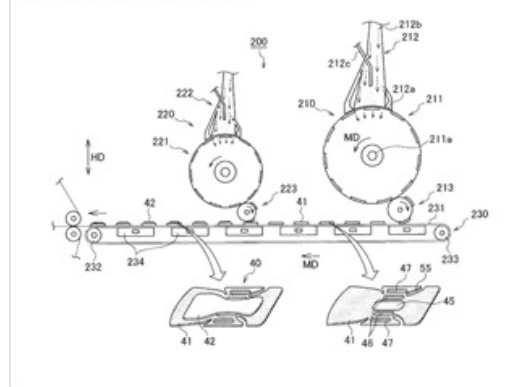
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A61F13/535 A61F2013/4543

US: 156/196 156/250 156/60

PatBase - US2014338822_AA



Family:

Publication number	Publication date	Application number	Application date
AR087702 AA	20140409	AR2012P103174	20120828
CN103781447 A	20140507	CN201280042171	20120823
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Priority:

JP20110185850 20110829 WO2012JP05274 20120823

Probable Assignee: UNICHARM CORP

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