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Title: BIAXIALLY STRETCHABLE OUTER COVER FOR AN **ABSORBENT ARTICLE**

Abstract: An outer cover for use with an **absorbent article** having a layer of nonwoven **fibrous** material and optionally including a polymeric layer **laminated** or printed onto the layer of nonwoven **fibrous** material. The outer cover includes at least one plastic component and at least one **elastic** component in the nonwoven **fibrous** material and/or optional polymeric layer. The outer cover can have different structural combinations of spunbond fibers, meltblown fibers, and/or nanofibers. The combination of plastic and **elastic** components results in an outer cover that has favorable mechanical, physical, and aesthetic properties. The outer cover can be rendered either uniaxially or biaxially stretchable via a mechanical activation process.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/20 A61F13/49 A61F13/496 A61F13/514 A61F13/56 A61F13/64 B21D53/84 B21K25/00 B23P11/00 B32B27/12 B32B5/02 B32B5/26 D04H1/00 D04H1/42 D04H1/4374 D04H13/00 D04H3/00 D04H3/16 D04H5/00 F16B17/00 F16D1/072 F16H53/02 (Advanced/Invention); A61F13/15 A61F13/56 B21D53/00 B21K25/00 B23P11/00 B32B27/12 B32B5/22 D04H1/00 D04H1/42 D04H13/00 D04H3/00 D04H3/16 D04H5/00 F16B17/00 F16D1/06 F16H53/00 (Core/Invention)

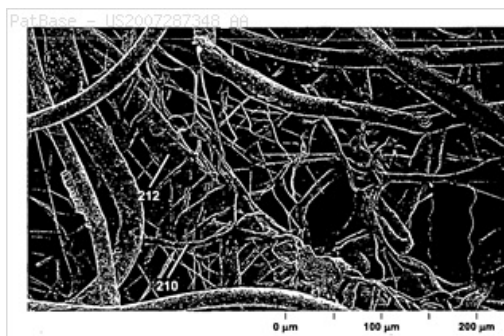
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Family:

Publication number	Publication date	Application number	Application date
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Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM 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 ARTICLES** COMPRISING GRAPHICS

Abstract: An **absorbent article** may comprise a first zone comprising graphics and a second zone comprising graphics, wherein the first and second zones have different **elastic** properties. Further, the **absorbent article** may comprise a first **absorbent article** component and a second **absorbent article** component having substantially different **elastic** properties, wherein the first **absorbent article** component comprises an elastomer. Additionally, the **absorbent article** may comprise a third **absorbent article** component overlapping the first and second **absorbent article** components, wherein the third **absorbent article** component comprises graphics on at least the portions which overlap the first and second **absorbent article** components.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/20 A61F13/49
A61F13/496 A61F13/514 A61F13/84 A61L15/16 B21D39/00
B23P11/00 B23P25/00 B32B37/00 B32B38/04

B32B38/14 (Advanced/Invention);

A61F13/72 A61F13/84 (Advanced/Non-invention);

A61F13/15 B23P11/00 (Core/Invention)

CPC: A61F13/15699 A61F13/496 A61F13/51464 A61F13/51496

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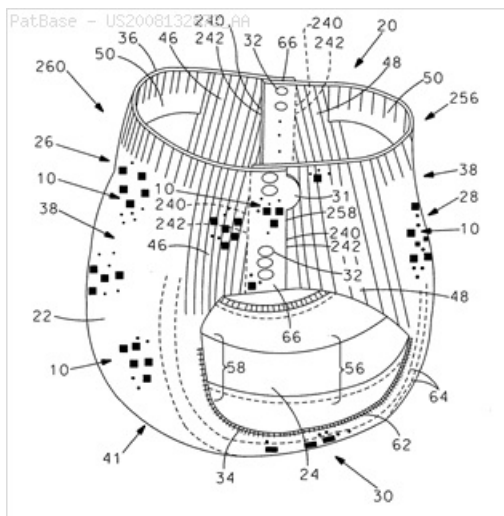
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US: 156/277 156/277S 29/428S 29/458 29/458 29/458

29/458P 493/320 604/368 604/368P 604/385.01 604/385.24

604/385.240P 604/385.240S 604/396



Family:

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Probable Assignee: PROCTER AND GAMBLE CO

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Assignee(s): THE PROCTER AND GAMBLE COMPANY ; PROCTER AND GAMBLE CO ; PROCTER AND GAMBLE COONE PROCTER & GAMBLE PLAZACINCINNATIOH45202US

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Agent(s): DIMOCK STRATTON LLP; WILSON LUE LLP; KREMER VERONIQUE MARIE JOSEPHINE; NAGAI HIROSHI; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION WEST BLDG; THIBAUT; RICHARD L; THE PROCTER AND GAMBLE COMPANY

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: METHODS OF MAKING LAMINATES FOR ABSORBENT ARTICLES

Abstract: A method of making a laminate for an absorbent article is provided. The laminate comprises elastic elements disposed at least partially intermediate two substrates. The first substrate has a primary fiber bond pattern formed therein and comprising a plurality of primary fiber bonds. The method comprises forming densified regions in the first substrate. A perimeter of each of the densified regions is larger than a perimeter of each of the primary fiber bonds. The densified regions together form a pattern of densified regions in the first substrate. The method comprises adhesively attaching the elastic elements to the first substrate, joining the second substrate to the first substrate or to some of the elastic elements, and forming a plurality of rugosities in the first substrate by allowing the elastic elements to at least partially contract. The frequency and amplitude ranges of the rugosities result from the pattern of the densified regions.

Classifications:

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

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B32B3/08 B32B3/18 B32B3/28 B32B3/30 B32B5/02 B32B5/26

B32B7/12 D06N1/00 (Advanced/Invention);

A61F13/496 A61F13/51 A61F13/56 A61F13/68

A61F13/72 (Advanced/Non-invention)

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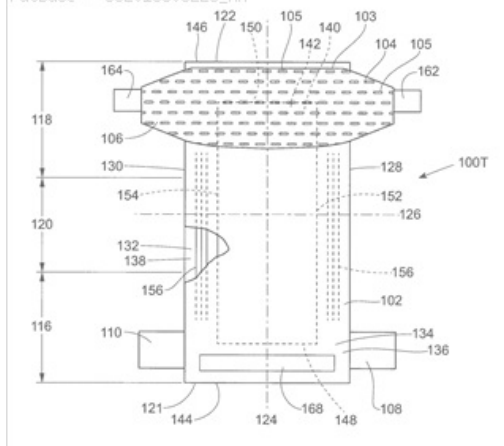
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PatBase - US2013306226_AA



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: PROCTER AND GAMBLE CO

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

Assignee(s): JURATOVAC DIANA WOEHLN ; ISHIHARA KAORU ; PROCTER AND GAMBLE COONE PROCTER & GAMBLE PLAZACINCINNATIOH45202US ; WADE SARAH MARIE ; LAVON GARY DEAN ; GOYETTE NICHOLAS PAUL ; WALTHER RACHEL EDEN ; ZINK RONALD JOSEPH ; BICKING AMANDA MARGARET ; BROWN DARRELL IAN ; DESIGN CENTRAL ; GLAHN TINA MARIE

Inventor(s): (std): BICKING AMADA MARGARET ; BICKING AMANDA MARGARET ; BROWN DARRELL IAN ; GLAHN TINA MARIE ; GOYETTE NICHOLAS PAUL ; IBRAHIM FARIHAH ; IBRAHIM FARRAH ; JURATOVAC DIANA WOEHLN ; WALTHER RACHEL EDEN ; ZINK RONALD JOSEPH II ; ZINK RONALD JOSEPH ; WADE SARAH MARIE ; SHI YUANXUN ; LAVON GARY DEAN ; KAORU ISHIHARA ; JURATOVAC DIANA WOEHNI ; ISHIHARA KAORU ; BROWN DARREL IAN ; WALTHER RACHAEL EDEN ; JURATOVAC DIANA ; TINA MARIE GLAHN ; SARAH MARIE WADE ; RONALD JOSEPH ZINK ; RACHEL EDEN WALTHER ; NICHOLAS PAUL GOYETTE ; GARY DEAN LAVON ; DIANA WOEHLN JURATOVAC ; DARRELL IAN BROWN ; AMANDA MARGARET BICKING ; D I BROWN

Inventor(s): ZINK RONALD JOSEPHUS ; WALTHER RACHEL EDENUS ; WADE SARAH MARIEUS ; LAVON GARY DEANUS ; JURATOVAC DIANA WOEHLNUS ; ISHIHARA KAORUUS ; GOYETTE NICHOLAS PAULUS ; GLAHN TINA MARIEUS ; BROWN DARRELL IANUS ; BICKING AMANDA MARGARETUS

Agent(s): DIMOCK STRATTON LLP; WILSON LUE LLP; LLOVET AHUMADA RAUL; HEIDE UTE; BORBACH MARKUS; NAGAI HIROSHI; NA RYBINOJ; CHRISTIAN M; GUFFEY TIMOTHY B

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

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

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

Classifications:

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

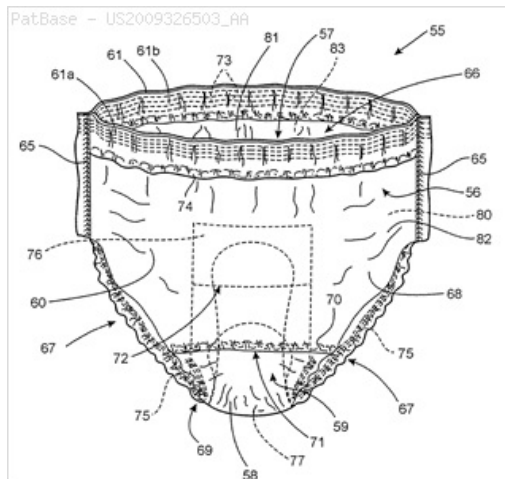
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International (IPC 1-7): A61F13/49 A61F13/496 B32B27/00

CPC: A61F13/15699 A61F13/15804 A61F13/4902 B32B25/02 Y10T156/1052 Y10T156/1056 Y10T156/1057 Y10T156/1062 Y10T156/108 Y10T156/1085 A61F13/493 Y10T156/1051 Y10T156/1084 Y10T156/1087 A61F13/496 A61F13/49 B32B27/00 A61F13/45

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

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



Family:

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Probable Assignee: SCA HYGIENE PRODUCTS AB

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

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

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

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

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

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

Title: PANT-TYPE **ABSORBENT ARTICLE**

Abstract: A pant-type **absorbent article** having an **absorbent** assembly having an **absorbent core** and a chassis, wherein the front and back portions are joined to each other along two opposite longitudinal side edges to define a waist-**opening** and a pair of leg-**openings**, at least one of the front and back portions has an **elastic web material**, a crotch portion located between the front portion and the back portion in the longitudinal direction of the **article**, the front portion having a length in the longitudinal direction, the back portion having a length in the longitudinal direction, and the crotch portion having a length in the longitudinal direction, the **absorbent** assembly overlapping a distance with both the front and back portions, the **article** having a longitudinal and a transverse direction, wherein the **absorbent** assembly overlaps no more than 20 percent of the surface area of each of the front and back portions.

Classifications:

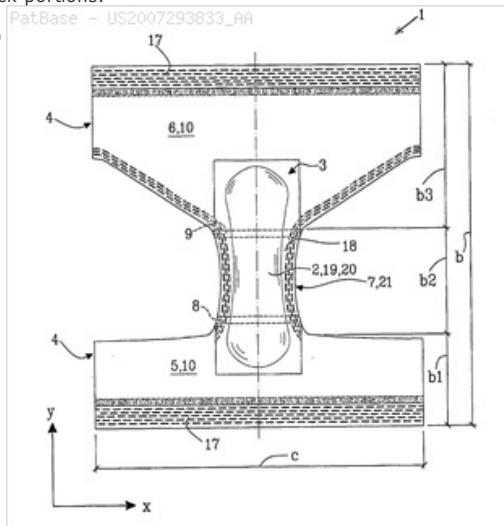
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International (IPC 1-7): A61F13/15

CPC: A61F13/496 A61F13/15203 A61F13/49012 A61F13/49017

European: A61F13/15J A61F13/496

US: 604/385.01 604/385.010P 604/385.22 604/385.23 604/385.230P 604/385.29 604/385.290S 604/385.3 604/385.300S



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: SCA HYGIENE PRODUCTS AB

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

Assignee(s): SKA KHAJDZHIN PRODAKTS AB ; WENNERBACK MARGARETA

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

Agent(s): WATERMARK INTELLECTUAL PROPERTY PTY LTD; WATERMARK PATENT AND TRADE MARKS ATTORNEYS; FETHERSTONHAUGH AND CO; VALEA AB; DE ELZABURU ALBERTO; BUCHANAN INGERSOLL AND ROONEY PC

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

Title: THREE-PIECE DISPOSABLE UNDERGARMENT AND METHOD FOR THE MANUFACTURE THEREOF

Abstract: A method of manufacturing a disposable undergarment includes moving a web of body panel material in a longitudinal machine direction and cutting the web of body panel material along the longitudinal machine direction to thereby form a rear body panel web and a front body panel web each having a maximum rise and a minimum rise respectively. The maximum rise of each of the rear and front body panel webs is greater than the minimum rise of a corresponding one of the rear and front body panel webs. The method further includes shifting at least one of the rear and front body panel webs in the longitudinal machine direction and thereby aligning the maximum rises of the rear and front body panel webs. The method further includes separating the rear and front body panels in a lateral cross direction, such that the maximum rises of each of the rear and front body panel webs are spaced apart in the lateral cross direction and form a **gap** therebetween in a non-overlapping relationship. The method further includes aligning a crotch **member** with the maximum rises of the front and rear body panels and connecting the crotch **member** to each of the rear and front body panel webs and thereby bridging the **gap** therebetween. A disposable undergarment is also provided.

Classifications:

International (IPC 8-9): A41B13/00 A41B9/00 A41B9/04 A41D13/00 A61F13/15 A61F13/20 A61F13/49 A61F13/496 A61F13/50 A61F13/505 A61F13/514 A61F13/53 A61F13/539 A61F13/74 A61F13/80 B32B31/00 B32B37/00 B32B38/00 B32B38/04 B32B38/10 (Advanced/Invention); A41B9/00 A61F13/15 A61F13/49 A61F13/53 A61F13/74 A61F13/80 (Advanced/Non-invention); A61F13/15 (Core/Invention)

International (IPC 1-7): A41B13/00 A41B13/04 A41B9/00 A41B9/04 A41H3/00 A61F13/15 A61F13/20 A61F13/47 A61F13/49 A61F13/496 A61F13/505 A61F13/514 A61F13/539 A61F13/74 A61F13/80 B32B31/00

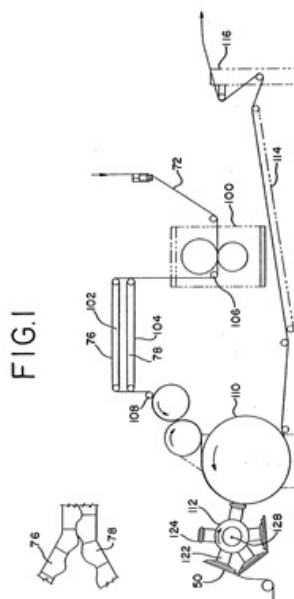
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PatBase - US2004060648_AA

Patent Application Publication Apr. 1, 2004 Sheet 1 of 4 US 2004/060648 A1

**Family:**

Publication number	Publication date	Application number	Application date
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AR042518 AA	20050622	AR2003P104694	20031217
AR044553 AA	20050921	AR2004P101797	20040524
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Priority:

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Probable Assignee: KIMBERLY CLARK WORLDWIDE INC

Assignee(s): (std): KIMBERLY CLARK CO ; KIMBERLY CLARK CORP ; KIMBERLY CLARK WORDWIDE INC ; KIMBERLY CLARK WORLDWIDE INC ; VAN GOMPEL PAUL T ; THORSON RUSSELL E ; GROSS JACQUELINE A

Assignee(s): HUANG YUNG H ; RICOH CO LTD ; MARVIN JENNIFER L ; KIMBERLY CLARK WORLDWIDE INC NEENAH

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Inventor(s): GOMPEL PAUL ; VAN GOMPEL PAUL ; VAN GOMPEL PAUL T HORTONVILLE ; THORSON RUSSELL E APPLETON ; RUSSELL EVAN THORSON ; THORSON RUSSELL ; MARVIN JENNIFER L EVERETT ; JENNIFER LYNN MARVIN ; GOMPEL PAUL TV ; GROSS JACQUELINE

Agent(s): SPRUSON AND FERGUSON; BORDEN LADNER GERVAIS LLP; ZIMMERMANN AND PARTNER PATENTANWAELTE MBB; MABEY KATHERINE FRANCES; DAVIES CHRISTOPHER ROBERT; BRINKS HOFER GILSON AND LIONE; KIMBERLY CLARK WORLDWIDE INC TARA POHLKOTTE; H MICHAEL; KIMBERLY CLARK WORLDWIDE INC

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

Title: FINGER GLOVE

Abstract: A finger glove that can fit onto a human finger is provided. The finger glove can be used as a substitute for cotton balls, swabs, and/or gauzes, or as an oral cleaning device. The finger glove is at least partially made from an elastomeric material such that the glove can more aptly fit onto a finger. Moreover, the glove can also be partially made from a texturized material having an abrasive surface useful for cleaning surfaces. Furthermore, the glove, in some instances, can possess a barrier that is liquid-impermeable, but vapor-permeable so that the finger of a user is more comfortable during use. Various additives can be applied to the glove.

Classifications:

International (IPC 8-9): A41D13/08 A46B5/04 A47B5/04 A47K7/02 A47L13/18 A61C15/00 A61F13/00 A61F13/10 B32B27/12

B32B7/02 (Advanced/Invention);

A61F13/00 A61F13/10 (Advanced/Non-invention);

A41D13/05 A46B5/00 A47B5/00 A61F13/00 A61F13/10

B32B7/02 (Core/Invention)

International (IPC 1-7): A41D13/00 A41D13/08 A41D19/00 A46B5/04 A47B5/04 A47K7/02 A47L1/06 A47L13/18 A47L13/19 A47L17/08 A61F013/00 A61F013/10 A61F13/00 A61F13/10 B08B1/00 B43L21/00 C07K14/605 C22C47/14

CP: A45D2200/1018 A45D2200/1036 A45D2200/1063

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B32B2437/02 B32B27/12 A46B2200/1066 B32B7/02 A41D13/087

A46B5/04 A61F13/10 A61F13/105

European: A41D13/08B8 A46B5/04 A61F13/10 A61F13/10H2

B32B27/12 B32B7/02 K45D200/10B2 K45D200/10B6 K45D200/10F K46B200/10G

US: 132/309 132/309S 132/323 132/323S 15/104.94 15/104.940P 15/104.940S 15/167.1 15/167.100P 15/22.7 15/227 15/227P 15/227S 2/163 2/163P 2/167 2/21 401/7 42/43 42/44 42/45 42/60 42/61 602/41 602/41P D4/103

Locarno class: 2 /21



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Priority:

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Probable Assignee: KIMBERLY CLARK WORLDWIDE INC

Assignee(s): (std): BRUNNER MICHAEL S ; KIM JAEHO ; KIMBERLY CLARK CO ; MCDEVITT JASON P ; YANG KAIYUAN ; LAU JARK C ; KIMBERLY CLARK WORLDWIDE INC ; KIMBERLY CLARK CORP

Assignee(s): ADMINISTRATORS OF TULANE EDUCATIONAL FUND ; M S KIMBERLY CLARK WORLDWIDE INC ; METZ JOHN ; KIMBERLY CLARK WORLDWIDE INC NEENAH ; KIMBERLY CLARK WORLWIDE INC ; KIMBERLI KLARK WORLVDVAJD INK ; DE CONSEILS DE RECHERCHES ET D APPLICATIONS SCIENTIFIQUES SAS SOC

Inventor(s): (std): BRUNNER M S ; BRUNNER MICHAEL ; JAEHO KIM ; JP MCDEVITT ; K YANG ; KIM DZHEJKHO ; BRANNER MAJKL S ; LAU DZHARK K ; LAU JARK C ; MAKDEVITT DZHEJSON P ; MCDEVITT J P ; MCDEVITT JASON ; MCDEVITT JASON P ; METZ JOHN ; MS BRUNNER ; YANG K ; YANG KAIYUAN ; METTS DZHON ; LAU JARK ; JANG KAJJUAN ; MCDEVITT JASON PATRICK ; LAU J C ; KIM J ; KIM JAEHO ; BRUNNER MICHAEL S ; BRENNAN M S

Inventor(s): MICHAEL S BRUNNER ; JASON P MCDEVITT ; JARK C LAU ; KAIYUAN YANG ; JOHN METZ ; ZHENG XIN DONG ; MCDEVITT JASON P ALPHARETTA ; LAU JARK C ROSWELL ; M S BRUNNER ; KIM JAEHO ROSWELL ; BRUNNER MICHAEL S ROSWELL ; DAVID H COY ; J P MCDEVITT

Agent(s): SPRUSON AND FERGUSON; ZIMMERMANN AND PARTNER PATENTANWALTE MBB; DAVIES CHRISTOPHER ROBERT; DORITY AND MANNING PA

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN 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 MZ 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: PANT-TYPE **ABSORBENT ARTICLE** AND A METHOD FOR ITS MANUFACTURE

Abstract: A pant-type **absorbent article**, at least one of the front and back panels having an **elastic** web material constituting the sole component of at least part of the front and/or back panels, the **elastic** waistband being joined to the waist edge of at least one of the front and back panels, wherein the **elastic** waistband having a first and a second ply of substantially **non-elastic** web material enclosing between them at least one elongate **elastic member**, the first ply of substantially **non-elastic** web material being secured to one side of the **elastic** web material at the waist edge of at least one of the front and back panels and that the second ply of substantially **non-elastic** web material is secured to the opposite side of the **elastic** web material just opposite said first ply.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/20 A61F13/49
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A61F13/15 A61F13/56 A61F5/44 (Core/Invention)

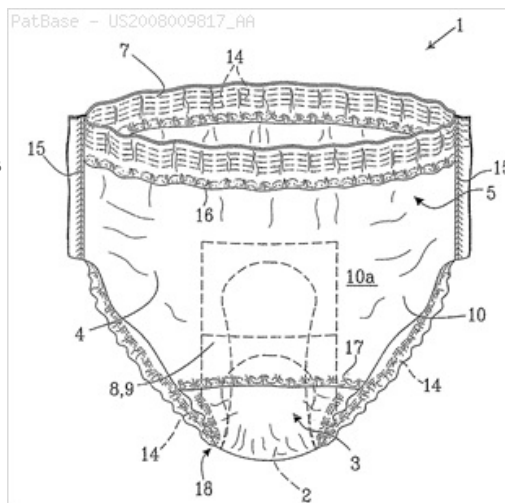
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European: A61F13/15M2B A61F13/15M7 A61F13/496 A61F13/49D2B
K61F13/15J8E K61F13/15J8T2 K61F13/49E3

US: 604/385.22 604/385.24 604/385.240S 604/385.27 604/385.3
604/385.300P



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Priority:

EP20050711164 20050302 RU20070136345 20050302 WO2005SE00309 20050302
US20070848556 20070831

Probable Assignee: SCA HYGIENE PRODUCTS AB

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

Assignee(s): SKA KHAJDZHIN PRODAKTS AB

Inventor(s): (std): NORRBY NICLAS ; NORRBJU NIKLAS ; NICLAS NORRBY

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; FETHERSTONHAUGH AND CO; VALEA AB; DE ELZABURU ALBERTO; BUCHANAN INGERSOLL AND ROONEY PC

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

Title: **ABSORBENT ARTICLE** HAVING A FUNCTIONAL AND PARTIALLY ENCIRCLING WAISTBAND

Abstract: **Absorbent articles** are disclosed having extended waistbands. More particularly, the **absorbent articles** include a back waistband and/or a front waistband that encircle a portion of the circumference of the waist **opening**. The **absorbent article** includes a front portion attached to a back portion by a pair of stretchable side areas. Each of the side areas are made from at least two panels that are connected together along a vertical attachment area. In accordance with the present disclosure, a waistband is incorporated into the **article** that extends over the entire front portion or the entire back portion and terminates at opposite ends on opposing side areas. Each end of the waistband, however, terminates prior to the vertical attachment areas leaving a **gap** in between. The presence of the **gap** has been found to provide various benefits and advantages including improved stretch properties for donning the **article**.

Classifications:

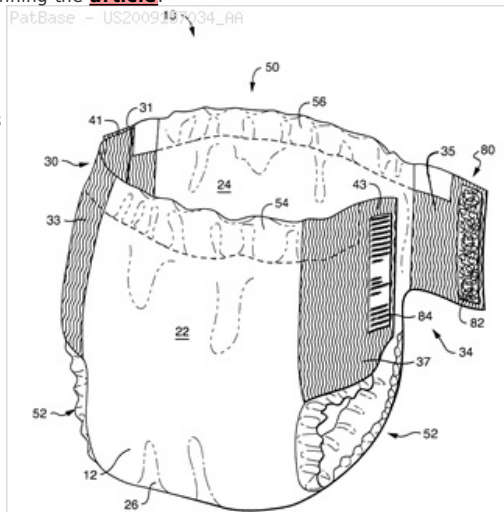
International (IPC 8-9): A61F A61F13/15 A61F13/49 A61F13/493 A61F13/496 A61F13/56 A61F13/58 A61F13/62 (Advanced/Invention); A61F13/49 A61F13/493 (Advanced/Non-invention); A61F13/15 A61F13/56 (Core/Invention)

International (IPC 1-7): A61F13/15 A61F13/49 A61F13/56 A61F13/58 A61F13/62

CPC: A61F13/49014 A61F13/49011 A61F13/5622 A61F13/5633 A61F2013/5683

European: A61F13/49D2B A61F13/49D2D A61F13/56C K61F13/56G

US: 1/1 604/385.3 604/385.300P 604/389 604/389S 604/391 604/391S



Family:

Publication number	Publication date	Application number	Application date
AR069685 AA	20100210	AR2008P105422	20081212
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AU2008337177 BB	20140619	AU20080337177	20080924
CN101902998 A	20101201	CN200880121094	20080924
CN106344282 A	20170125	CN201611011852	20080924
CO6251226 A2	20110221	CO20100070279	20100610
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EP2240144 A4	20130227	EP20080807790	20080924
EP2240144 B1	20160615	EP20080807790	20080924
IN03525CN2010 A	20101126	IN2010CN03525	20100610
JP2011505941 T2	20110303	JP20100537548T	20080924
JP5411158 B2	20140212	JP20100537548T	20080924
KR101517259 B1	20150507	KR20107012877	20080924
KR20100100866 A	20100915	KR20107012877	20080924
MX2010006105 A1	20100625	MX20100006105	20080924
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RU2472479 C2	20130120	RU20100128920	20080924
US2009157034 AA	20090618	US20070956986	20071214
US9089454 BB	20150728	US20070956986	20071214
WO09077891 A2	20090625	WO2008IB53891	20080924
WO09077891 A3	20100812	WO2008IB53891	20080924
ZA201003767 A	20110928	ZA20100003767	20100526

Priority:

US20070956986 20071214 CN200880121094 20080924 WO2008IB53891 20080924

Probable Assignee: KIMBERLY CLARK WORLDWIDE INC

Assignee(s): (std): BUSHMAN LISA L ; FINCH VALERIE V ; KIMBERLY CLARK CO ; KIMBERLY CLARK CORP ; MATTINGLY WALTER ANDREW ; POPP ROBERT LEE ; WILLIAMSON THOMAS E ; SPERL MICHAEL DONALD ; VANDYKE SHERRY A

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

Inventor(s): (std): ANDREW MATTINGLY WALTER ; BUSHMAN LISA L ; BUSHMEHN LAJZA L ; DONALD SPERL MICHAEL ; FINCH VAL V ; FINCH VALERIE V ; LEE POPP ROBERT ; MATTINGLI UOLTER EHND RJU ; MATTINGLY WALTER A ; MATTINGLY WALTER ANDREW ; POPP ROBERT LEE ; POPP ROBERT LI ; SPERL MICHAEL D ; SPERL MICHAEL DONALD ; SPIRL MAJKL DONAL D ; VANDYKE SHERRY ; VANDYKE SHERRY A ; VEHNDAJK SHERRI A ; WILLIAMSON THOMAS E

Inventor(s): WALTER ANDREW MATTINGLY ; SPIRL MAJKL DONAL'D ; THOMAS E WILLIAMSON ; VALERIE V FINCH ; ROBERT LEE POPP ; SHERRY A VANDYKE ; SHERRY VANDYKE ; MICHAEL DONALD SPERL ; LISA L BUSHMAN ; LISA LARAE BUSHMAN ; BUSHMAN LISA

Agent(s): SPRUSON AND FERGUSON; J IAN RAISBECK; DAVIES CHRISTOPHER ROBERT; DORITY AND MANNING PA; DORITYAND MANNING PA; CASSIDY TIMOTHY A

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

Title: METHOD OF MODIFYING A NONWOVEN **FIBROUS** WEB FOR USE AS A COMPONENT OF A DISPOSABLE **ABSORBENT ARTICLE**

Abstract: An economical method is disclosed for modifying the physical characteristics of a nonwoven **fibrous** web which involves passing the web between at least one pair of interengaged rolls to incrementally stretch the web, and then withdrawing the incrementally stretched web from between the rolls under tension. A web modified according to the disclosed method has advantageous elongation, extensibility and strength properties, as well as other desirable characteristics. In another aspect, a method is disclosed for forming a composite material by combining a modified nonwoven web with a polymeric **film**, or an **elastic member**, which may be liquid impervious yet breathable. In yet other aspect, a method is disclosed for forming a composite material by combining a modified web with a polymeric **film** which is rendered liquid-impervious yet breathable while the method is performed. The modified nonwoven webs and composite materials made according to the disclosed methods may be advantageously employed in **absorbent articles** such as disposable diapers.

Classifications:

International (IPC 8-9): A61F13/00 A61F13/15 A61F13/49 A61F13/514 A61F5/44 B29C55/06 B29C55/14 B29C55/18 B29C59/04 B32B27/14 B32B31/00 B32B37/00 B32B5/04 B32B5/26 D04H1/42 D04H1/4391 D04H1/44 D04H1/54 D04H1/72 D04H13/00 D04H3/08 D04H3/16 D04H5/00 D06C23/04

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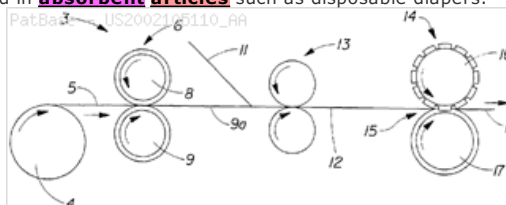
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International (IPC 1-7): A61F13/00 A61F13/15 A61F13/49 A61F13/514 A61F5/44 B29C55/05 B29C55/06 B29C55/08 B29C55/14 B29C55/18 B29C59/04 B29C65/48 B29C65/56 B32B27/12 B32B27/14 B32B31/00 B32B37/00 B32B5/04 B32B5/26 D04H1/54 D04H1/72 D04H13/00 D04H3/16 D04H5/00 D04H5/08 D06C23/04 D06C3/06 D21F11/00

CPC: Y10T156/1023 Y10T442/674 Y10T442/68 Y10T442/681 D04H13/00 B29C55/14 B29C55/18 B29K2105/0854 D04H1/44 B32B5/024 B32B5/26 B32B7/12 B32B27/32 B32B27/34 B32B27/36 B32B27/40 B32B2262/0207 B32B2262/0253 B32B2262/0261 B32B2262/0276 B32B2262/062 B32B2262/065 B32B2264/02 B32B2264/067 B32B2274/00 B32B2307/51 B32B2307/54 B32B2307/726 B32B27/12 B32B2305/20 B32B38/0012 B32B5/04 B32B5/022 B32B2555/02 D04H3/08

European: B29C55/14 B29C55/18 B32B5/04 D04H1/44 D04H13/00B3 D04H3/08 L29K105/08C

US: 156/209 156/229 156/324 264/154 264/154P 264/171.13 264/171.130S 264/284 264/288.8 264/288.800S 264/290.2 442/394 442/400 442/401 604/37 604/370 604/370S



Family:

Publication number	Publication date	Application number	Application date
AR012332 AA	20001018	AR1998P101543	19980403
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WO9845520 A1	19981015	WO1998US06645	19980402
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Priority:

US19970832875 19970404 WO1998US06645 19980402 US19990274946 19990323
US19990309201 19990510 JP20000606405 20000322 WO2000US07583 20000322
US20020071001 20020207

Probable Assignee: PROCTER AND GAMBLE CO

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

Assignee(s): THE PROCTER AND GAMBLE COMPANY CINCINNATI ; THE PROCTER AND GAMBLE CO CINCINNATI OHIO ; PROCTER AND GAMBLE CO CINCINNATI ; PROCTOR AND GAMBLE CO ; BENSON DOUGLAS H ; BENSON DOUGLAS HERRIN ; CURRO JOHN J ; CURRO JOHN JOSEPH ; DOBRIN GEORGE CHRISTOPHER ; GAMBLE CO ; PROCTER AND

Inventor(s): (std): DH BENSON ; DOBRIN GEORGE CHRISTOPHER ; DOUGLAS H BENSON ; DOUGLAS HERRIN BENSON ; JJ CURRO ; JOHN J CURRO ; JOHN JOSEPH CURRO ; JOSEPH CURRO JOHN ; BENSON DOUGLAS HERRIN ; CURRO JOHN JOSEPH ; HERRIN BENSON DOUGLAS ; CURRO JOSEPH ; CURRO JOHN JOSEPH ; CURRO JOHN J ; CURRO J J ; BENSON HERRIN ; BENSON DOUGLAS H ; BENSON D H ; DOBRIN CHRISTOPHER

Inventor(s): D H BENSON ; GEORGE CHRISTOPHER DOBRIN ; CURRO JOHNJOSEPH ; JOHN JOSEPH CURRO ; J J CURRO

Agent(s): DIMOCK STRATTON LLP; WILSON LUE LLP; SIM AND MCBURNEY; HARNECKER; CARLOS REINALDO OLARTE GARCIA; NAGAI HIROSHI

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

Title: METHOD OF PRODUCING AN **ABSORBENT** GARMENT, AND AN **ABSORBENT** GARMENT PRODUCED ACCORDING TO THE METHOD

Abstract: A method for continuously producing **absorbent** garments includes forming a continuous multi-component production web; and cutting individual garments from the production web. The production web is formed by: a) feeding a first **elastic** web in a travelling direction; b) stretching the first **elastic** web by 35-250 percent in the travelling direction; c) intermittently laying down **absorbent cores** in an intermediate zone extending in a travelling direction of the production web; d) feeding a continuous web of liquid permeable material in the travelling direction and covering the **absorbent cores** with the continuous web of liquid permeable material; and e) bonding the first **elastic** web to the continuous web of liquid permeable material in a first lateral zone on a side of the intermediate zone of the production web. In addition, an **absorbent** garment has a continuous liquid permeable layer.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/49 A61F13/513 B32B37/00 B32B37/06 B32B37/22 B32B38/00 (Advanced/Invention); A61F13/511 (Advanced/Non-invention);

A61F13/15 B32B37/14 B32B38/00 (Core/Invention)

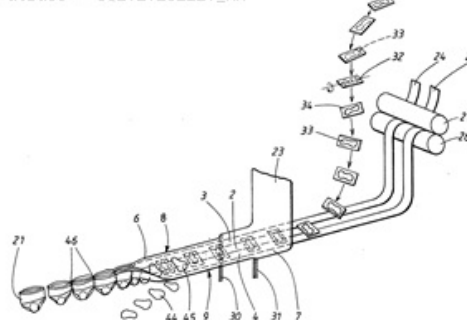
CPC: A61F13/49011 A61F13/4906 A61F13/51305 A61F13/15593 A61F13/15699 A61F13/51113 A61F2013/153 Y10T156/1084

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K61F13/15J8A1 K61F13/511C

US: 1/1 156/160 156/160S 156/269 156/269S 156/73.4 156/73.400S 604/385.3 604/385.300P

PatBase - US2010262110_AA



Family:

Publication number	Publication date	Application number	Application date
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CN101854897 B	20130424	CN200780101536	20071114
DE602007029103 D1	20130508	DE200760029103T	20071114
EP2211810 A1	20100804	EP20070835208	20071114
EP2211810 A4	20111228	EP20070835208	20071114
EP2211810 B1	20130313	EP20070835208	20071114
RU2437641 C1	20111227	RU20100123881	20071114
US2010262110 AA	20101014	US20070739594	20071114
US2014088537 AA	20140327	US20130094924	20131203
US9456934 BB	20161004	US20130094924	20131203
WO09064225 A1	20090522	WO2007SE01009	20071114

Priority:

EP20070835208 20071114 RU20100123881 20071114 WO2007SE01009 20071114
US20100739594 20100423 US20130094924 20131203

Probable Assignee: SCA HYGIENE PRODUCTS AB

Assignee(s): (std): LAKSO ELISABETH ; SCA HYGIENE PROD AB

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

Inventor(s): (std): LAKSO ELISABETH ; LAKSO EHLIZABET ; ELISABETH LAKSO

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

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 ARTICLES** HAVING A BREATHABLE STRETCH **LAMINATE**

Abstract: An **absorbent article** may comprise a topsheet; a backsheet joined with the topsheet; an **absorbent core** between the topsheet and backsheet; and an **elastic** element comprising a breathable stretch **laminate**. The breathable stretch **laminate** may comprise a first substrate; and an **elastic member** joined to the first substrate, wherein said **elastic member** comprises a polyurethane. The breathable stretch **laminate** may exhibit a MVTR greater than about 300 grams per square meter per 24 hours and a force relaxation of **less** than about 50 percent after about 10 hours at 100 degrees Fahrenheit and 50 percent elongation.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/49 B29C65/00

B32B37/24 B32B38/00 C08G18/65 (Advanced/Invention);

A61F13/15 C08G18/00 (Core/Invention)

CPC: B32B5/022 B32B5/14 B32B27/285 B32B27/40 B32B2307/51

B32B2307/718 B32B2307/724 B32B2307/726 B32B2307/728

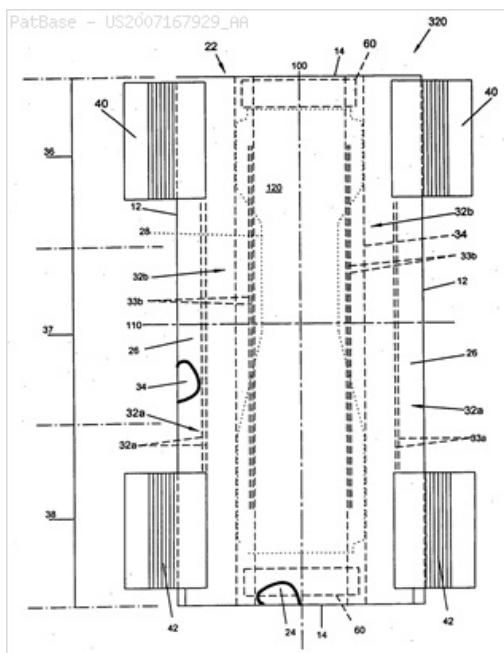
B32B2555/02 A61F13/4902 A61F2013/15552 B32B27/12

European: A61F13/49D2H B32B27/12 K61F13/15J8T1

US: 156/163 156/163S 156/229 156/229S 604/366 604/367 604/370

604/385.22 604/385.24 604/385.240P 604/385.27 604/385.3

604/385.300P 604/385.31 604/385.310S



Family:

Publication number	Publication date	Application number	Application date
AT522195 E	20110915	AT20070700612T	20070116
CA2637633 AA	20080717	CA20072637633	20070116
CA2637633 C	20101207	CA20072637633	20070116
CN101370455 A	20090218	CN200780002433	20070116
DE602007016748 D1	20111110	DE200760016748T	20070116
EP1973509 A1	20081001	EP20070700612	20070116
EP1973509 B1	20110831	EP20070700612	20070116
JP2009523524 T2	20090625	JP20080550890T	20070116
US2007167929 AA	20070719	US20060333135	20060117
US2011004180 AA	20110106	US20100878264	20100909
US7806883 BB	20101005	US20060333135	20060117
WO07083268 A1	20070726	WO20071B50145	20070116

Priority:

US20060333135 20060117 EP20070700612 20070116 WO20071B50145 20070116
US20100878264 20100909

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): ASHRAF ARMAN ; FOSSUM RENAE DIANNA ; PROCTER AND GAMBLE

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

Inventor(s): (std): DIANNA FOSSUM RENAE ; FOSSUM RENAE ; FOSSUM RENAE D ; FOSSUM RENAE DIANNA ; ARMAN ASHRAF ; ASHRAF ARMAN

Inventor(s): ASHRAF ARMAN HAMILTON ; FOSSUM RENAE DIANNA MIDDLETOWN

Agent(s): DIMOCK STRATTON LLP; KREMER VERONIQUE MARIE JOSEPHINE; HEIDE UTE; NAGAI HIROSHI; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION WEST BLDG; THE PROCTER AND GAMBLE COMPANY, GLOBAL LEGAL DEPARTMENT - IP; PROCTER AND GAMBLE CO GLOBAL LEGAL DEPARTMENT IP; THIBAUT FAYETTE; ERIC T

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

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

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

Classifications:

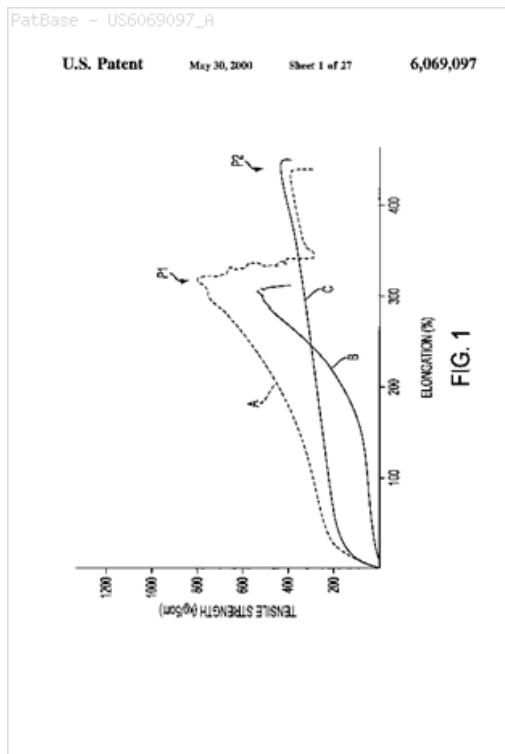
International (IPC 8-9): A41D31/00 A61F13/15 A61F13/49 A61F13/494 A61F13/511 A61F13/56 A61F5/44 B29C65/02 B32B27/12 B32B5/04 B32B5/26 D04H13/00 D04H3/14 D04H3/147 D04H3/153 D04H3/16 (Advanced/Invention); A41D31/00 A61F13/15 A61F13/56 A61F5/44 B29C65/02 B32B27/12 B32B5/04 B32B5/22 D04H13/00 D04H3/14 D04H3/16 (Core/Invention)

International (IPC 1-7): A41D31/00 A61F13/15 A61F13/49 A61F13/494 A61F13/511 A61F13/56 A61F5/44 B29C65/02 B32B25/10 B32B27/12 B32B3/10 B32B3/12 B32B5/04 B32B5/26 D04H13/00 D04H3/16

CPC: Y10T428/24826 B32B37/144 B32B5/26 B32B2305/20 B32B2307/51 B32B2555/02 Y10T156/1142 A61F13/49011 A61F13/49015 A61F13/56 A61F2013/4905 Y10T442/2377 Y10T442/601 Y10T442/602 Y10T442/637 Y10T442/641 Y10T442/659 Y10T428/249921 D04H1/4358 D04H1/559 D04H1/56 A61F13/4902 A61F13/49019 B32B5/022 B32B5/245 B32B25/10 B32B27/12 B32B5/04 A61F13/49009

European: A61F13/49D2 A61F13/49D2D2 A61F13/49D2F A61F13/49D2H A61F13/56 B32B37/14B B32B5/04 B32B5/26 D04H13/00B2 D04H13/00B5 K61F13/49D2B K61F13/49D3A4 L32B305/20 L32B307/510 L32B555/02

US: 156/183 156/344 156/709 428/198 428/221 442/105 442/328 442/329 442/361 442/364 442/381 604/365 604/366 604/370 604/372 604/373 604/385.25 604/385.29 604/385.3



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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

Probable Assignee: PARAGON TRADE BRANDS INC

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

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

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

Inventor(s): MIGAKU SUZUKI

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

Title: METHOD OF PRODUCING AN **ABSORBENT** GARMENT, AND AN **ABSORBENT** GARMENT PRODUCED ACCORDING TO THE METHOD

Abstract: A method for continuously producing **absorbent** garments includes forming a continuous multi-component production web; and cutting individual garments from the production web. The production web is formed by: a) feeding a first **elastic** web in a travelling direction; b) stretching the first **elastic** web by 35-250 percent in the travelling direction; c) intermittently laying down **absorbent cores** in an intermediate zone extending in a travelling direction of the production web; d) feeding a continuous web of liquid permeable material in the travelling direction and covering the **absorbent cores** with the continuous web of liquid permeable material; and e) bonding the first **elastic** web to the continuous web of liquid permeable material in a first lateral zone on a side of the intermediate zone of the production web. In addition, an **absorbent** garment has a continuous liquid permeable layer.

Classifications:

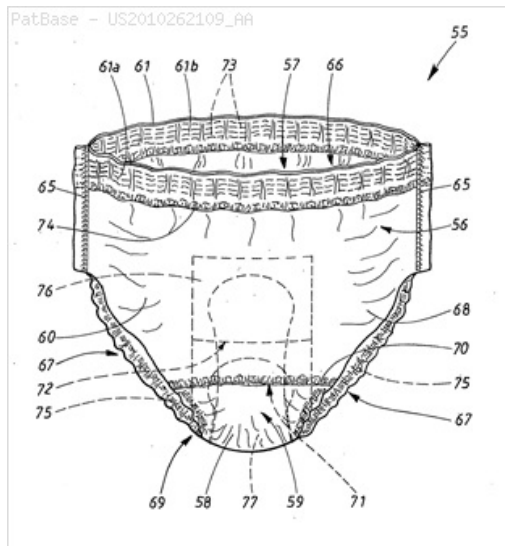
International (IPC 8-9): A61F13/15 A61F13/49 B29C65/08
B32B37/00 B32B37/18 B32B37/22 B32B38/00 (Advanced/Invention);
A61F13/15 B32B37/14 B32B38/00 (Core/Invention)

CPC: A61F13/15593 A61F13/15699 A61F13/49011 A61F2013/153
Y10T156/1052 Y10T156/1062 Y10T156/1064 Y10T156/1075

European: A61F13/15M2B A61F13/15M5 A61F13/49D2B

K61F13/15J8A1 K61F13/511C

US: 156/164 156/164S 156/250 156/256 156/257 156/264 156/73.4
156/73.400S 604/385.22 604/385.24 604/385.25 604/385.26
604/385.27 604/385.29 604/385.3 604/385.300P



Family:

Publication number	Publication date	Application number	Application date
BRPI0722260 A2	20140401	BR2007PI22260	20071114
CN101854898 A	20101006	CN200780101537	20071114
CN101854898 B	20130626	CN200780101537	20071114
EP2211809 A1	20100804	EP20070835207	20071114
EP2211809 A4	20140910	EP20070835207	20071114
RU2010123878 A	20111220	RU20100123878	20071114
RU2441634 C1	20120210	RU20100123878	20071114
US2010262109 AA	20101014	US20070739555	20071114
US8303561 BB	20121106	US20070739555	20071114
WO09064224 A1	20090522	WO2007SE01008	20071114

Priority:

RU20100123878 20071114 WO2007SE01008 20071114

Probable Assignee: SCA HYGIENE PRODUCTS AB

Assignee(s): (std): ERIKSSON KATARINA ; SCA HYGIENE PROD AB

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

Inventor(s): (std): ERIKSSON KATARINA ; KATARINA ERIKSSON ; EHRIKSSON KATARINA

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

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: A PANT-TYPE **ABSORBENT ARTICLE** AND A METHOD FOR ITS MANUFACTURE

Abstract: A pant-type **absorbent article** having a **core** region (3) and a front (5) and a back panel (6) comprising an **elastic laminate** material (10) constituting the sole component of at least part of the front and/or back panels, said **article** further having an **elastic** waistband (7) joined to the **elastic laminate** material (10). The **elastic laminate** material (10) comprises at least one **elastic** component (13) and at least one **non-elastic** component (12). A portion (12a) of the **non-elastic** component (12) of the **elastic laminate** material (10) extends beyond said **elastic** component (13) of the **elastic laminate** material at the waist edge (5a, 6a) of the front and/or back panel (5; 6). The **elastic** waistband (7) is joined to the front and/or back panel in said portion (12a) of the **non-elastic** component (12) that extends beyond said **elastic** component (13) to form a waistband seam (16) that is located entirely in the area of said portion (12a) of the **non-elastic** component (12).

Classifications:

International (IPC 8-9): A61F13/496 B32B27/12 (Advanced/Invention)

CPC: A61F13/496 A61F13/15593 A61F13/49011

European: A61F13/15M2B A61F13/496 A61F13/49D2B

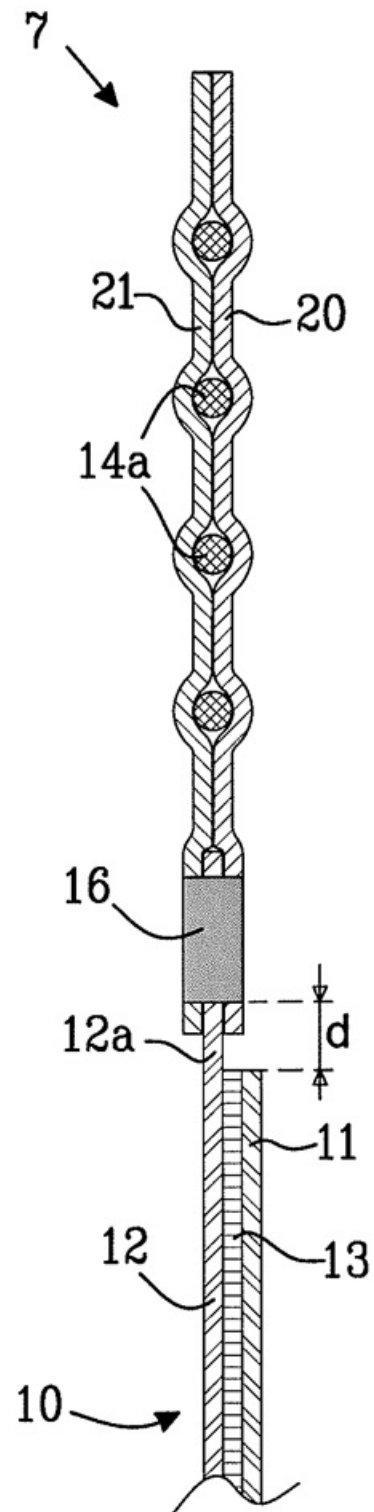


Fig. 4

Family:

Publication number	Publication date	Application number	Application date
WO11162652 A1	20111229	WO2010SE50714	20100623

Priority:

WO2010SE50714 20100623

Probable Assignee: SCA HYGIENE PROD AB

Assignee(s): (std): ERIKSSON KATARINA ; SCA HYGIENE PROD AB

Assignee(s): SCA HYGIENE PRODUCTS AB

Inventor(s): (std): ERIKSSON KATARINA

Agent(s): VALEA AB
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU
CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL
IN IS IT JP KE KG KM KN KP KR KZ LA LC 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

Title: **ABSORBENT** PRODUCT SIDE FLAP ARRANGEMENT

Abstract: An **absorbent** product (1) has a first end portion (2) with two side flaps (10, 11) extending laterally outwardly on either side of a waist section (8). Each of the side flaps (10, 11) includes an upper edge (12, 13) and a lower edge (15, 25, 16, 26). Each of the side flaps (10, 11) further has an **elastic** section (33, 34) which is distinct from **elastic** in the waist section (8). The **elastic** section (33, 34) extends longitudinally over a portion of the lateral extent of the side flap (10, 11), over only part of the distance between the flap upper edge (12, 13) and lower edge (15, 25, 16, 26). A **non-elastic** section (29, 30) extends between a lower end (31, 32) of the **elastic** section (33, 34) and the flap lower edge (15, 25, 16, 26). In this way, **elastic** material can be saved while maintaining the requisite properties of the side flaps.

Classifications:

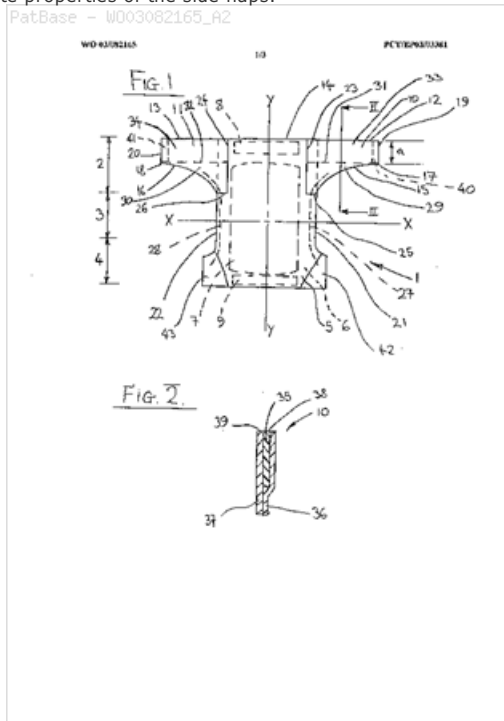
International (IPC 8-9): A61F13/15 A61F13/49 A61F13/56
A61F5/44 (Advanced/Invention);
A61F13/15 A61F5/44 (Core/Invention)

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

CPC: A61F13/49014

European: A61F13/49D2D

PatBase - WO03082165_A2



Family:

Publication number	Publication date	Application number	Application date
AT390109 E	20080415	AT20020007498T	20020402
AU2003221540 AA	20031013	AU20030221540	20030401
DE60225782 D1	20080508	DE20026025782	20020402
DE60225782 T2	20090409	DE20026025782T	20020402
EP1350493 A1	20031008	EP20020007498	20020402
EP1350493 B1	20080326	EP20020007498	20020402
JP2005521474 T2	20050721	JP20030579710T	20030401
JP4537072 B2	20100901	JP20030579710T	20030401
PL206557 B1	20100831	PL20030371552	20030401
PL371552 A1	20050627	PL20030371552	20030401
RU2004131865 A	20050420	RU20040131865	20030401
RU2306122 C2	20070920	RU20040131865	20030401
WO03082165 A2	20031009	WO2003EP03381	20030401
WO03082165 A3	20040205	WO2003EP03381	20030401

Priority:

EP20020007498 20020402 WO2003EP03381 20030401

Probable Assignee: SCA HYGIENE PROD AB

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

Assignee(s): SKA KHAJDZHIN PRODAKTS AB

Inventor(s): (std): JOKHANSSON MIKAEL ; JOHANSSON MIKAEL

Inventor(s): MIKAEL JOHANSSON ; JOKHANSSON MIKAEL'

Agent(s): BERGSTRAND MIKAEL GUDMUNDSSON ET AL

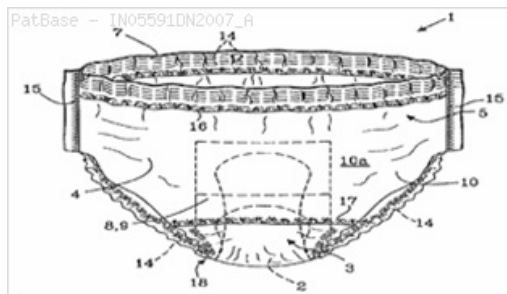
Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NI NL NO NZ OM PH PL PT RO RU SC SD SE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

Title: A PANT-TYPE **ABSORBENT ARTICLE** AND METHOD FOR ITS MANUFACTURE

Abstract: A pant-type **absorbent article** having a **core** region (3) and a front (5) and A back panel (6) comprising an elastic web material (10) constituting the sole component of at least part of the front and/or back panels, said **article** further having an **elastic** waistband (7) joined to the **elastic** web material (10). The waistband comprises a first and a second ply (20, 21) of **non-elastic** web material (22) enclosing between them at least nne elongate **elastic member** (14), wherein the first ply (20) is secured to one side of the **elastic** web material (10) and the second ply (21) of is secured lo the opposite side of the **elastic** web material just opposite the first ply. The first and second plies are secured to the **elastic** web material (10) while this is in a stretched condition so as to form gathers (29) along the waistband seam (1C) when the **elastic** web material (10) is in a relaxed position.

Classifications:

International (IPC 1-7): A61F13/15



Family:

Publication number	Publication date	Application number	Application date
IN05591DN2007 A	20070817	IN2007DN05591	20070719

Probable Assignee:

SCA HYGIENE PRODUCTS AB

Assignee(s):

SCA HYGIENE PRODUCTS AB

Inventor(s):

NICLAS NORRBY