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Title: ELASTOMERIC SIDE PANEL FOR USE WITH CONVERTIBLE ABSORBENT ARTICLES

Abstract: Absorbent articles such as disposable **diapers**, incontinent briefs, **diaper** holders, training pants and the like, having elastomeric ear panels and a fastening system that provides the user with different options as to how the absorbent article may be fitted to and removed from the wearer. The absorbent articles allow the wearer to choose between conventional and pull-on **diaper** configurations, or combinations thereof, and properly and comfortably fit a large range of wearer sizes. Further, the absorbent articles can be pulled on and/or off as a pant. This feature is provided by the ear panels which maintain sufficient tension to hold the **diaper** on the wearer throughout the period of use without harming the wearer's skin, while providing enough stretch to allow the **diaper** to be pulled up or down over the wearer's hips. The fastening system is refastenable for convenience yet strong enough to maintain the **diaper** in a fastened configuration without becoming detached if the **diaper** is pulled on or off the wearer.

Classifications:

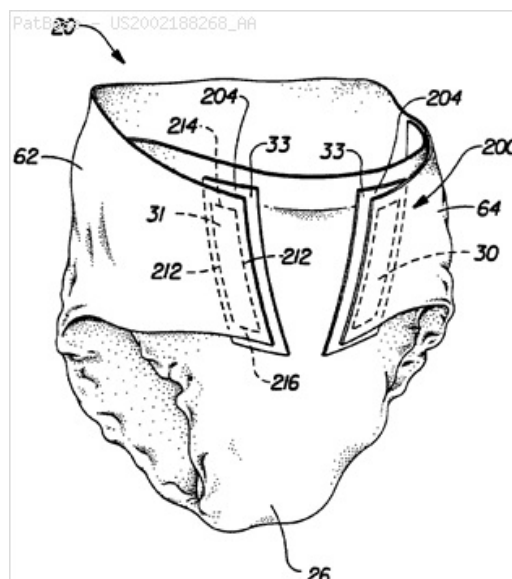
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CPC: A61F2013/15886 Y10T24/2708 Y10T24/33 A61F13/49015 Y10T428/24008 Y10T428/24017 Y10T428/24025 Y10T428/24479 Y10T428/24612 Y10T428/2481 Y10T442/674 Y10T442/679 Y10T442/69 A61F13/5638 A61F13/5655 A61F13/565 A61F13/622

European: A61F13/15 A61F13/15D4B4B A61F13/49B A61F13/49D2D2 A61F13/56C A61F13/62 K61F13/15M11E3A

US: 24/304 24/306 428/100 428/101 428/156 428/156P 428/172 428/172P 428/196 428/196S 428/99 442/394 442/399 442/409 604/367 604/367P 604/370 604/370P 604/372 604/372P 604/385.01 604/385.04 604/385.16 604/385.160P 604/385.160S 604/385.22 604/385.23 604/385.230P 604/385.230S 604/385.24 604/385.240S 604/385.25 604/385.26 604/385.28 604/385.29 604/385.290S 604/385.3 604/385.300P 604/386 604/386P 604/386S 604/389 604/389S 604/390 604/390P 604/391 604/391S 604/393 604/394 604/394S 604/396 604/396S

**Family:**

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US20130085838 20131121		

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): PROCTER AND GAMBLE ; PROCTER AND GAMBLE CO ; ROBLES MIGUEL ALVARO ; THE PROCTER AND GAMBLE ; THE PROCTER AND GAMBLE COMPANY ; HARD SUITS INC ; HENRICH THOMAS ; KLINE MARK JAMES

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

Inventor(s): (std): ALVARO ROBLES MIGUEL ; HENRICH THOMAS ; JAMES KLINE MARK ; KLINE MARK JAMES ; ROBLES MIGUEL ALVARO ; THOMAS HENRICH ; ROBLES ALVARO ; NUYTEN RENE T ; MIGUEL ALVARO ROBLES ; MARK JAMES KLINE ; KLINE JAMES

Inventor(s): Kline ; Henrich ; Mark James ; Miguel Alvaro ; Robles ; Thomas ; ROBLES MIQUEL ALVARO

Agent(s): SIM AND MCBURNEY; HARNECKER; CARLOS REINALDO OLARTE GARCIA; 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; WHITMER LAURA L; KREBS JAY A; LEAL GEORGE H; LAURA L; GEORGE H; JAY A; THIBAUT; RICHARD L; DAVID M; THIBAUT FAYETTE

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CH CN CU CZ DE DK EE ES FI FR GB GE GH GR HU IE IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK MN MW MX NL NO NZ PL PT RO RU SD SE SG SI SK SZ TJ TM TR TT UA UG UZ VN YU

Title: METHOD FOR MAINTAINING A FASTENER IN A **FOLDED** CONFIGURATION

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

Classifications:

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

A61F13/515 A61F13/58 B32B37/12 B32B38/00 (Advanced/Non-invention)

CPC: B32B38/18 A61F13/15756 B32B37/1036 B32B37/1292 B32B37/144 B32B38/0004 B32B2037/1215 B32B2305/20 B32B2309/02 B32B2309/10 B32B2310/024 B32B2310/0843 B32B2555/02 Y10T156/1049 Y10T156/1051 B32B37/12 B32B37/10 A61F13/15699 A61F13/515

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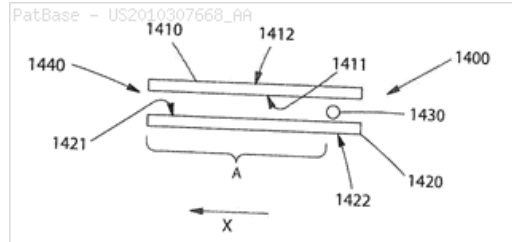
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A61F13/625

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US: 1/1 156/226 156/227 156/291 156/66 604/365 604/365P 604/385.11 604/387 604/389 604/391 604/394 604/396



Family:

Publication number	Publication date	Application number	Application date
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EP2437711 A1	20120411	EP20100728047	20100604
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Probable Assignee: PROCTER AND GAMBLE CO

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

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

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

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

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

Title: Absorbent articles having improved fastening system

Abstract: A T-shaped **diaper** comprising two portions, a lateral portion (backwaist) having two lateral segments or wings for wrapping around the waist of a wearer of the **diaper**, and a second vertical portion or insert which is adapted to be passed under the crotch of the wearer and **folded** thereover. A uniquely designed tape tab located at the outer lateral end of one wing assures more perfect and comfortable fit. Tape tabs are also provided at the distal ends of vertical portion for engagement onto landing zones disposed on the surface of each wing. These tape tabs may have the same general construction as the tape tab on the **diaper** wing.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/20 A61F13/49 A61F13/493 A61F13/494 A61F13/496 A61F13/56 A61F13/62 A61F13/64 A61L9/12 A61L9/14 A61M15/08 A61M21/02 A63H3/00 B05B7/26 (Advanced/Invention); A61F13/49 (Advanced/Non-invention); A61F13/15 A61F13/20 A61F13/56 A61L9/12 A61L9/14 A63H3/00 (Core/Invention); A61F A61L (Subclass/Invention)

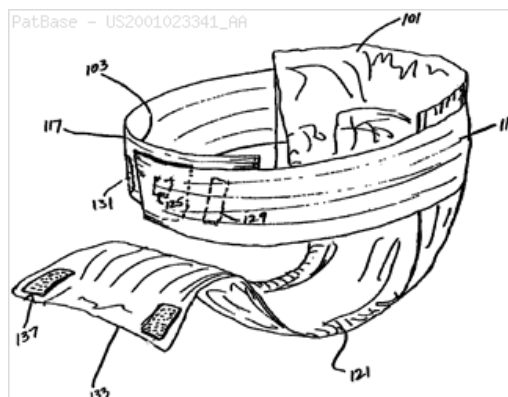
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Family:

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Probable Assignee: FIRST QUALITY PRODUCTS INC

Assignee(s): (std): FIRST QUALITY ENTERPRISES INC ; FIRST QUALITY ENTPR INC ; FIRST QUALITY PRODUCTS INC ; TURI MORDECHAI ; KAUSCHKE MICHAEL ; SPECTOR DONALD

Assignee(s): HAMZEH KARAMI ; FIRST QUALITY PRODUCTS INC AND FIRST QUALITY BABY PRODUCTS LLC ; FIRST QUALITY NONWOVENS INC ; JP MORGAN CHASE BANK NA ; KARAMI HAMZEH ; JPMORGAN CHASE BANK NA ; FIRST QUALITY PRODUCTS INC AND FIRST QUALITY BABY ; JPMORGAN CHASE BANK NA ; CITIZENS BANK OF PENNSYLVANIA ; DAMAGHI BABAK ; DAMAGHI KAMBIZ ; DODELIN DONALD R ; FIRST QUALITY ENTERPRISES ; FIRST QUALITY ENTERPRISES CLINTON COUNTY

Inventor(s): (std): DAMAGHI BABAK ; DAMAGHI KAMBIZ ; KARAMI HAMZEH ; DODELIN DONALD R ; HAMZEH KARAMI ; DODELIN DONALD ROY ; KARAMI HAZMEH ; TURI MORDECHAI ; KAUSCHKE MICHAEL ; SPECTOR DONALD

Agent(s): SHAPIRO COHEN; AVENTUM IP LAW LLP; OSLER HOSKIN AND HARCOURT LLP; AMSTER ROTHSTEIN AND EBENSTEIN 90 PARK AVENUE; NEAL L ROSENBERG ESQ AMSTER ROTHSTEIN AND EBENSTEIN; AMSTER ROTHSTEIN AND EBENSTEIN LLP; DIEHL SERVILLA LLC; SUNSTEIN KANN MURPHY AND TIMBERS LLP; AMSTER ROTHSTEIN AND EBENSTEIN

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

Title: DISPOSABLE ASSEMBLY FOR DETACHABLE TWO PIECE ABSORBENT GARMENT

Abstract: A two piece garment for collecting bodily discharges is disclosed. The garment has a belt and a disposable assembly which are detachable and reattachable. The belt is intended to be reused, while the disposable assembly is intended to be discarded when soiled. The two components are attached to one another by hook and loop type fastening material, providing for adjustment to fit a wide range of wearer sizes.

Classifications:

International (IPC 8-9): A41B17/00 A41B9/12 A61F13/15 A61F13/16 A61F13/49 A61F13/49A A61F13/514 A61F13/551 A61F13/56 A61F13/62 A61F13/64 A61F13/66 A61F13/74 A61F5/44 (Advanced/Invention); A41B17/00 A61F13/15 A61F13/56 A61F5/44 (Advanced/Non-invention); A41B9/00 A61F13/15 A61F13/56 A61F5/44 (Core/Invention); A61F13/15 (Core/Non-invention)

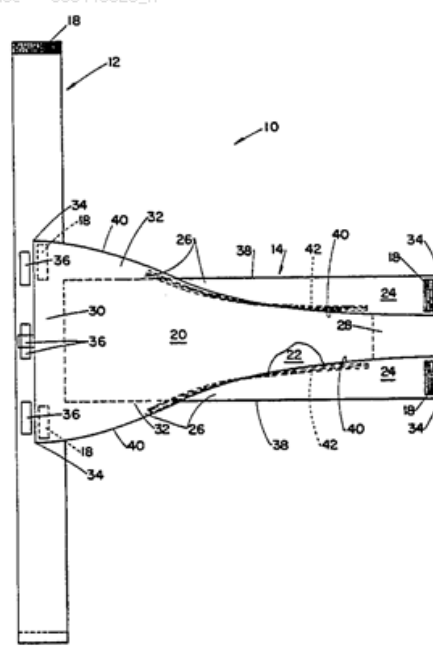
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US: 156/164 156/204 156/211 156/222 156/226 156/229 156/267 156/269 156/291 156/73.1 604/358 604/369 604/373 604/385.1 604/385.2 604/385.28 604/386 604/387 604/389 604/391 604/392 604/397

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Probable Assignee: PROCTER AND GAMBLE CO

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

Assignee(s): MASON MICHAEL W ; BENJAMIN JOYCE MARIE ; GIPSON WILLIAM P ; GIPSON WILLIAM PATRICK ; HENSLER THOMAS A ; HENSLER THOMAS ANTHONY ; JUERGENSE STANLEY GEORGE ; PROCTER AND GAMBLE CO THE ; PROCTER AND GAMBLE COMPANY THE ; MASON MICHAEL WAYNE ; MILBY JOHN THOMAS ; SAGESER DAVID MARK ; MIDKIFF MARK DAWSON ; PROCTER AND GAMBLE CO CINCINNATI ; PROCTOR AND GAMBLE CO ; PROCTER AND GAMBLE COMPANYUS ; THE PROCTER AND GAMBLE COMPANY ; THE PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY CINCINNATI ; THE PROCTOR AND GAMBLE COMPANY ; THE PROCTER AND GAMBLE COMPANYUS ; THE PROCTER AND GAMBLE CO CINCINNATI OHIO US ; THE PROCTER AND GAMBLE CO CINCINNATI ; TAUB ELIZABETH ASHLEY

Inventor(s): (std): BENJAMIN JOYCE MARIE ; GIPSON WILLIAM PATRICK ; HENSLER THOMAS ANTHONY ; JUERGENSE STANLEY GEORGE ; MASON MICHAEL WAYNE ; TAUB ELIZABETH ASHLEY ; MIDKIFF MARK DAWSON ; MILBY JOHN THOMAS ; SAGESER DAVIS MARK ; WP GIPSON ; UIRIAMU PATORITSUKU GIPUSON ; TOOMASU ANSONII HENSURAA ; TAUB ELIZABETH A ; TAUB ASHLEY ; TA HENSLER ; SAGESER MARK ; SAGESER DIVIS MARK ; SAGESER DAVIS M ; SAGESER DAVID MARK ; SAGESER DAVID M ; SAGESER DAVID ; MIDKIFF MARK D ; MIDKIFF MARK ; MW MASON ; MILBY JOHN T ; MASON MICHAEL WAYNE ; MASON MICHAEL W ; MAIKERU UEIN MEESON ; JUERGENSE STANLEY ; JUERGENSE STANLEY GEORGE ; GIPSON WILLIAM P ; HENSLER THOMAS A ; BENJAMIN MARIE ; BENJAMIN JOYCE

Inventor(s): PROCTER AND GAMBLE CO ; GIPSON WILLIAM PATRICK CINCINNATI OHIO 45211 US ; ELIZABETH ASHLEY TAUB ; ELIZABETH A TAUB ; DAVIS M SAGESER ; David MarkMilby ; DAVID MARK SAGESER ; DAVID M SAGESER ; JOYCE MARIE BENJAMIN ; JOYCE BENJAMIN ; John ThomasMason ; JOHN T MILBY ; HENSLER THOMAS ANTHONY CINCINNATI OHIO 45238 US ; JUERGENSE STANLEY GEORGE CINCINNATI OH 45240 US ; JUERGENSE STANLEY G ; MASON MICHAEL WAYNE CINCINNATI OHIO 45241 US ; MIDKIFF MARK DAWSON FAIRFIELD OH 45014 US ; Michael Wayne ; MICHAEL W MASON ; Sageser ; SAGESER DAVID MARK CINCINNATI OH 45208 US ; STANLEY GEORGE JUERGENSE ; STANLEY GEORGE JUERGENSE ; THOMAS ANTHONY HENSLER ; WILLIAM PATRICK GIPSON ; WPGIPSON ; Taub ; TAHEHSLER ; MWMASON ; Joyce Marie ; Elizabeth Ashley ; David Mark ; Benjamin ; MICHAEL WAYNE MASON ; MARK DAWSON MIDKIFF ; JOHN THOMAS MILBY ; DAVIS MARK SAGESER

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; SIM AND MCBURNEY; NAGAI HIROSHI

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

Title: Absorbent articles providing sustained dynamic fit

Abstract: Absorbent articles such as **diapers**, incontinent briefs, training pants, **diaper** holders and liners, feminine hygiene garments, and the like, designed to provide sustained dynamic fit about the wearer during use as well as to improve the containment of body exudates and wearer comfort/mobility. Such an absorbent article has an absorbent core preferably designed to fit within the low motion zone of the wearer so that dynamic forces imparted by movements of the wearer on the absorbent core are minimized. The absorbent article is also provided with a closure system for anchoring the absorbent article on the wearer to sustain the dynamic fit of the absorbent article throughout wearing. The closure system is designed so that a primary line of tension, fitting at an angle to the body, is formed to secure the absorbent article on a wearer. The absorbent article preferably further comprises elastic features for fitting about the extremities of the wearer, including elastic waist features, elastic leg features, and elastic side panels, that allow freedom of movement for the wearer as well as maintenance of forces about the body to sustain the fit of the absorbent article. Preferred containment assembly (chassis) designs are also provided.

Classifications:

International (IPC 8-9): A41B13/04 A61F13/15 A61F13/49 A61F13/496 A61F13/56 A61F13/58 A61F13/66 A61F5/44 H04L29/02 H04M1/00 H04W88/06 (Advanced/Invention);
A61F13/15 A61F13/56 A61F5/44 (Advanced/Non-invention);
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International (IPC 1-7): A41B13/04 A61F13/15 A61F13/20 A61F13/49 A61F13/496 A61F13/56 A61F13/58 A61F13/62 A61F13/66 A61F5/44

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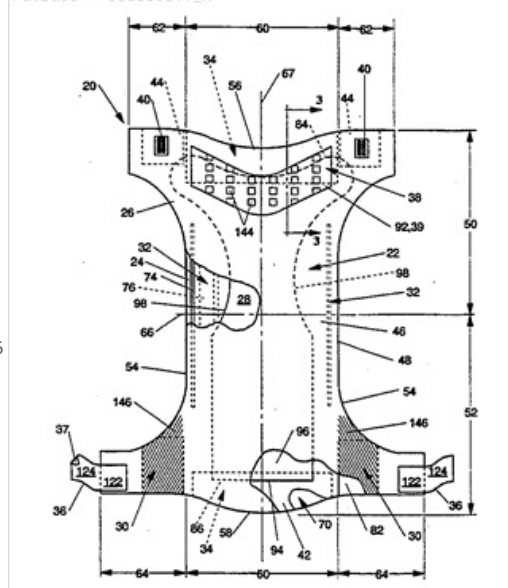
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Probable Assignee: PROCTER AND GAMBLE CO

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

Assignee(s): THE PROCTER AND GAMBLE COMPANY ; THE PROCTER AND GAMBLE CO ; PROCTER AND GAMBLE FAR EAST INC ; PROCTER AND GAMBLE GMBH ; PROCTER AND GAMBLE COMPANY THE ; PROCTER AND GAMBLE CO

THE ; THE PROCTER AND GAMBLE CO CINCINNATI OHIO US ; ROE DONALD CARROLL ; ROBLES MIGUEL ALVARO ; LAVON GARY DEAN ; HAGA TAKAKO ; MUELLER CHRISTINA SUSANNE ; THE PROCTER AND GAMBLE COUS ; BERGMAN CARL LOUIS ; BUELL KENNETH BARCLAY ; CARLIN EDWARD PAUL ; CHANG JOHN ALLEN ; DAKIN CONSTANCE LEE ; DESMARAIS THOMAS ALLEN ; DREIER KIMBERLY ANN

Inventor(s): (std): SUSANNE MUELLER CHRISTINA ; TAKAKO HAGA ; CHANG JOHN A ; CARLIN EDWARD P ; BUELL KENNETH B ; ALVARO ROBLES MIGUEL ; LAVON GARY D ; MUELLER CHRISTINA ; LAVON GARY ; KIMBERLY A DREIER ; KENNETH B BILL ; DESMARAIS THOMAS ALLEN ; DESMARAIS THOMAS ; DREIER KIMBERLY ANN ; CARLIN EDWARD ; ROE DONALD CARROLL ; ROE DONALD C ; ROE DONALD ; ROBLES MIGUEL ALVARO ; ROBLES MIGUEL ALVARO ; ROBLES MIGUEL A ; ROBLES MIGUEL ; MUELLER CHRISTINA SUSANNE ; MUELLER CHRISTINA S ; BUELL KENNETH ; HAGA TAKAKO ; DREIER KIMBERLY ; DAKIN CONSTANCE LEE ; DAKIN CONSTANCE ; CHANG JOHN ALLEN ; CARLIN EDWARD PAUL ; BUELL KENNETH BARCLAY ; BUELL KENNETH BARCLAY ; BERGMAN CARL LOUIS ; BERGMAN CARL L ; BERGMAN CARL ; ROE D C ; ROBLES M A ; LAWAN GARY D ; LAVON GARY DEAN ; DREIER KIMBERLY A ; DREIER K A ; DESMARAIS THOMAS ALLAN ; DESMARAIS THOMAS A

Inventor(s): D C ROE ; CHRISTINA SUSANNE MUELLER ; CHANG JOHN ; KENNETH BARCLAY BUELL ; K A DREIER ; JOHN ALLEN CHANG ; EDWARD PAUL CARLIN ; M A ROBLES ; BERGMAN CARL LOUIS LOVELAND OH 45140 US ; CARL LOUIS BERGMAN ; CONSTANCE LEE DAKIN ; DONALD CARROLL ROE ; DAKIN CONSTANCE LEE CINCINNATI OH 45246 US ; DREIER KIMBERLY ANN CINCINNATI OH 45251 US ; ROE DONALD CARROLL WEST CHESTER OH 45069 US ; MIGUEL ALVARO ROBLES ; KIMBERLY ANN DREIER ; ROBLES MIGUEL ALVARO CINCINNATI OH 45246 US ; BUELL KENNETH BARCLAY CINCINNATI OH 45215 US ; DONALD C ROE ; DESMARAIS THOMAS ALLEN CINCINNATI OH 45252 US ; CHANG JOHN ALLEN F 75017 PARIS FR ; CARLIN EDWARD PAUL MAINEVILLE OH 45039 US ; HAGA TAKAKO ASHIYA HYOGO 659 JP ; GARY DEAN LAVON ; GARY D LAWAN ; EDWARD P CARLIN ; MIGUEL A ROBLES ; LAVON GARY DEAN WEST CHESTER OH 45044 US ; MUELLER CHRISTINA SUSANNE ; ROE DONALD CARROL ; Edward PaulBuell ; etc. ; Gary DeanCarlin ; kenneth Barclay ; Lavon ; THOMAS ALLEN DESMARAIS ; ROBLES MIGUEL ALBARO ; RO DONALD CARROLL ; MUELLER CHRISTINA SUSANNE D 69121 HEIDELBERG DE

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; SIM AND MCBURNEY; HARNECKER

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

Title: ABSORBENT ARTICLE COMPRISING A **FOLDED** WEB

Abstract: A disposable absorbent article may comprise a web that may be **folded** over at a first **fold** line forming a first hem, **folded** over at a second **fold** line forming a second hem, and **folded** over at a third **fold** line and attached in the front and back waist regions to form a first side flap. The web may be **folded** over at a fourth **fold** line and attached in the front and back waist regions to form a second side flap. A closure member may be disposed in at least one of the front and back waist regions. The closure member may maintain waist and leg openings of the absorbent article in a closed configuration to form a pant. An abdominal stretch panel may be attached to the interior surface or the exterior surface of at least one of the web and/or absorbent assembly in the front waist region or the back waist region and may have a circumferentially extending longitudinally distal edge disposed at or adjacent to the respective waist end edge. The abdominal stretch panel may have longitudinally opposing circumferentially extending longitudinally proximal edge and may provide a circumferential contractive force around the waist opening when the absorbent article is stretched circumferentially.

Classifications:

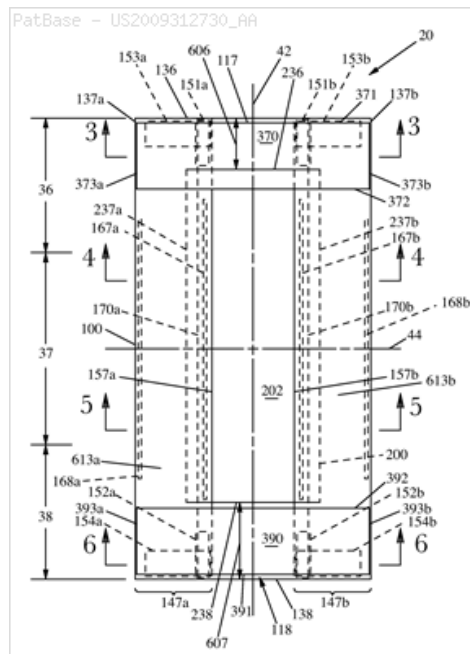
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International (IPC 1-7): A61F13/15

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Priority:

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Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): SMITH KEVIN MICHAEL ; LAVON GARY DEAN ; NOGALES LUKE ; STRUBE JOHN ; WASSON COURTNEY ; STRUBE JOHN BRIAN ; PROCTER AND GAMBLE ; FREDERICK LISA M ; HENRICH THOMAS ; KO ADA HO YAU ; BIANCHI ERNESTO G

Assignee(s): DZE PROKTER EHND GEHMBL KOMPANI ; THE PROCTER AND GAMBLE COMPANY ; PROCTER AND GAMBLE CO

Inventor(s): (std): LUKE NOGALES ; MICHAEL SMITH KEVIN ; NOGALES LUKE ; SMITH KEVIN MICHAEL ; STRUBE JOHN ; THOMAS HENRICH ; WASSON COURTNEY ; YAU KO ADA HO ; HENRICH THOMAS ; KO ADA HO YAU ; LAVON GARY DEAN ; STRUBE JOHN BRIAN ; STRUBE DZHON BRAJN ; NOGALES LJUK ; FREDERICK LISA M ; BRIAN STRUBE JOHN ; BIANCHI ERNESTO G ; SMIT KEVIN MISHEL ; NOGALES LUK ; LAVON GARI DIN ; KO ADA ; KHENRICH TOMAS ; COURTNEY WASSON ; DEAN LAVON GARY

Inventor(s): ERNESTO G BIANCHI ; BIANCHI ; ADA ; SMIT KEVIN MISHEL' ; FREDERICK ; ERNESTO G ; CURTNEY ; NOGALES ; LUKE ; LISA M ; LAVON ; KO ; KEVIN MICHAEL SMITH ; KEVIN MICHAEL ; JOHN BRIAN STRUBE ; JOHN BRIAN ; HENRICH ; GARY DEAN ; STRUBE ; SMITH ; LISA M FREDERICK ; GARY DEAN LAVON ; ADA HO YAU KO ; WASSON CURTNEY ; WASSON ; THOMAS

Agent(s): DIMOCK STRATTON LLP; WILSON LUE LLP; LLOVET; HEIDE UTE; KREMER VERONIQUE MARIE JOSEPHINE; NAGAI HIROSHI; THE PROCTER AND GAMBLE COMPANY,GLOBAL LEGAL DEPARTMENT - IP; PROCTER AND GAMBLE CO GLOBAL LEGAL DEPARTMENT IP; RICHARD L; THE PROCTER AND GAMBLE COMPANY; THE PROCTER AND GAMBLE COMPANY ET AL

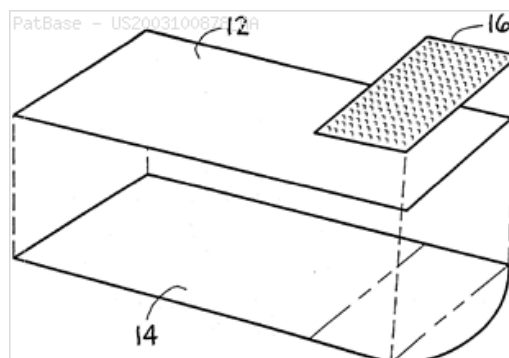
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Title: FLEXIBLE **MECHANICAL FASTENING TAB**

Abstract: Disclosed is a **mechanical fastening tab** formed from a substrate adapted to be joined to a disposable absorbent product and a first **mechanical fastener** component. The **fastening tab** has a Gurley stiffness value of less than about 1000 milligrams in an area of the **fastening tab** which includes said first **mechanical fastening** component. Also disclosed are disposable products comprising such **mechanical fastening tabs**.

Classifications:

International (IPC 8-9): A44B18/00 A61F13/15 A61F13/49 A61F13/56 A61F13/58 A61F13/60 A61F13/62 A61F5/44 H01L33/00 (Advanced/Invention); A44B18/00 A61F13/15 A61F13/56 A61F13/58 A61F5/44 (Advanced/Non-invention); A44B18/00 A61F13/15 A61F13/56 A61F5/44 H01L33/00 (Core/Invention)
International (IPC 1-7): A41B A44B A44B18/00 A61F A61F13/15 A61F13/52 A61F13/56 A61F13/58 A61F13/60 A61F13/62 A61F13/64 A61F13/66 A61F2/00 A61F5/44 B32B
CPC: A61F13/622 A61F13/58 A61F13/62
European: A61F13/58 A61F13/62
US: 604/386 604/391

**Family:**

Publication number	Publication date	Application number	Application date
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WO1995US16720	19951221				

Probable Assignee: KIMBERLY CLARK CORP

Assignee(s): (std): HUANG YUNG HSIANG ; KIMBERLEY CLARK CORP ; KIMBERLEY CLARK WORLDWIDE INC ; KIMBERLI KLARK UORLDDVAJD INK ; KIMBERLY CLARK CO ; KIMBERLY CLARK CORP ; LEAK A TODD ; ROSLANSKY APIROMRAJ S ; VAN GOMPEL PAUL T ; ZEHNER GEORGIA L ; RUSCHER EDWARD H

Assignee(s): VAN GOMPEL PAUL THEODORE ; ZEHNER GEORGIA LYNN ; ROESSLER THOMAS HAROLD ; ROSLANSKY APIROMRAJ SRISOPARK ; RUSCHER EDWARD HERMAN ; KIMBERLY CLARK WORLDWIDE ; KIMBERLY CLARK WORLDWIDE INC

Inventor(s): (std): DZHORDZHIA LINN ZENER ; DZHORDZHIJA LINN TSENER ; EDWARD HOWARD RUSCHER ; APIROMRAJ SRISOPARK ROSLANSKY ; E H RUSCHER ; EDWARD HERMAN RUSCHER ; EH RUSCHER ; AT LEAK ; GOMPEL PAUL THEODORE VAN ; HUANG YUNG H ; GOMPEL P T VAN ; HUANG Y H ; HAROLD ROESSLER THOMAS ; HSIANG HUANG YUNG ; EHDVARD GERMAN RASHER ; GOERGIA LYNN ZEHNER ; GEORGIA LYNN ZEHNER ; HUANG YUNG ; ROESSLER THOMAS HAROLD ; RUSCHER EDWARD HERMAN ; HUANG YUNG HSIANG ; LEAK A TODD ; ROSLANSKY APIROMRAJ SRISOPARK ; ROESSLER THOMAS H ; ROESSLER T H ; RUSCHER E H ; LEAK A T ; MERMEN EDWARD ; LYNN ZEHNER GEORGIA ; LEAK ALLEN TODD ; JANG KHSIANG KHUANG ; JUNG KHSJANG KHUANG ; POL TEODOR VAN GOMPEL ; RUSCHER EDWARD H ; ROSLANSKY APIROMRAJ S ; P T VAN GOMPEL ; LEAK ATODD ; PAUL THEODORE VAN GOMPEL ; PT VANGOMPEL ; ZEHNER GEORGIA LYNN ; VAN GOMPEL PAUL THEODORE ; VANGOMPEL P T ; THEODORE GOMPEL PAUL VAN ; RUSCHER EDWARD HERMANN ; TOMAS GAROL D ROESSLER ; VAN GOMPEL P T ; ZEHNER GEORGIA L ; VAN GOMPEL PAUL T ; ZEHNER GOERGIA LYNN ; YUNG HSIANG HUANG ; YH HUANG ; THOMAS HAROLD ROESSLER ; TH ROESSLER ; TODD A LEAK ; Y H HUANG ; T H ROESSLER ; VAN GOMPEL PAUL ; ZEHNER GEORGIA ; LEAK A ; ROSLANSKY APIROMRAJ ; RUSCHER EDWARD ; ROESSLER THOMAS HARAOLD ; LEAK A TODD ; A T LEAK ; A TODD LEAK ; A TODD LK ; APIROMRAJ SRISOPARK ROSLANSKI

Inventor(s): TOMAS GAROL'D ROESSLER ; Thomas Harold Van Gompel ; Yung Hsiang ; RUSCHER EH ; ALLEN TODD LEAK ; Paul TheodoreHuang ; Roessler ; ROSLANSKY A S ; LEAK AT ; THOMAS HARAOLD ROESSLER ; P T VANGOMPEL ; etc. ; GOMPELPT VAN ; HUANG YH ; GOMPELP T VAN

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; BORDEN LADNER GERVAIS LLP; SARGENT; CABINET SAUVAGE; JOHN L; THOMAS J; ALYSSA A

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

Title: ABSORBENT ARTICLE WITH DYNAMIC ELASTIC WAIST FEATURE COMPRISING AN EXPANSIVE TUMMY PANEL

Abstract: Absorbent article such as disposable **diapers**, incontinent briefs, **diaper** holders and the like, that have a unique elastic waist feature that improve the dynamic fit of the elasticized waistband as well as the containment characteristics of the absorbent article. The elastic waist feature comprises an "expansive tummy panel" that is capable of expanding well- beyond the dimensions of the absorbent article set by the primary fastening system (and the original dimensions of the end edge) so as to accommodate wearers, especially large infants, with large expansile waists so as to reduce the sagging/slipping of the absorbent article. The extension forces of the elasticized waistband are lower than the extension forces of the elasticized side panels so as to accommodate such expansion. In preferred embodiments of the elastic waist feature, the elasticized waistband is formed from a stretch laminate.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/49 A61F13/56 A61F13/58

A61F5/44 (Advanced/Invention);

A61F5/44 (Advanced/Non-invention);

A61F (Subclass/Invention)

International (IPC 1-7): A61F13/15 A61F13/20 A61F13/56 A61F13/58

A61F13/62 A61F5/44

CPC: A61F13/622 A61F13/49009 A61F13/15585 A61F13/47 A61F13/49011

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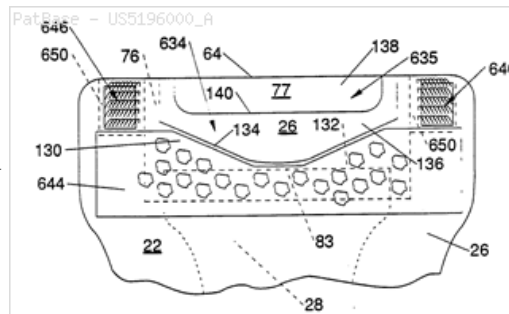
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K61F13/539A1 K61F13/53R K61F13/56Y K61F13/58D K61F13/58E2 K61F13/58F K61F13/62 K61F13/84E K61F13/84E1

US: 604/358 604/373 604/385.1 604/385.2 604/385.29 604/385.3



Family:

Publication number	Publication date	Application number	Application date
AT143248 E	19961015	AT19920914098T	19920608
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WO9222272 A1	19921223	WO1992US04768	19920608

Priority:

US19910715074 19910613	US19910750774 19910822	JP19930500949 19920608
JP19930500949T 19920608	WO1992US04768 19920608	NZ19920243119 19920612
US19920915797 19920716	US19940200894 19940223	

Probable Assignee: PROCTER AND GAMBLE CO

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

Assignee(s): THE PROCTER AND GAMBLE CO CINCINNATI OHIO US ; PROCTOR AND GAMBLE CO ; PROCTER AND GAMBLE CO ; BUELL KENNETH BARCLAY ; CLEAR SANDRA HINTZ ; FALCONE DANIELIA THREASE

Inventor(s): (std): BUELL KENNETH BARCLAY ; CLEAR SANDRA HINTZ ; DANIELIA THREASE FALCONE ; FALCONE DANIELIA THREASE ; FALCONE DANIELIA THREASE ; KENNETH BARCLAY BUELL ; SANDRA HINTZ CLEAR ; THREASE FALCONE DANIELIA ; SANDRA H CLEAR ; KENNETH B BUELL ; HINTZ CLEAR SANDRA ; FALCONE DANIELIA T ; DANIELIA T FALCONE ; CLEAR SANDRA H ; BUELL KENNETH B ; BARCLAY BUELL KENNETH ; BARCLAY BUEL KENNETH ; FALCONE DANIELIA ; CLEAR SANDRA ; BUELL KENNETH

Inventor(s): BUELL KENNETH BARCLAY CINCINNATI OH 45215 US ; CLEAR SANDRA HINTZ MAINEVILLE OH 45039 US ; FALCONE DANIELIA THREASE CINCINNATI OH 45223 US

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; SIM AND MCBURNEY; NAGAI HIROSHI

Designated states: AT AU BB BE BF BG BJ BR CA CF CG CH CI CM CS DE DK ES FI FR GA GB GN GR HU IT JP KP KR LI LK LU MC MG ML MN MR MW NL NO PL RO RU SD SE SN TD TG

Title: FASTENING SYSTEM FOR DISPOSABLE **DIAPER** WITH DISPOSABILITY FEATURE

Abstract: There is disclosed a disposable **diaper** in which the waistband is closed by a **mechanical fastener**. A second **fastener** means is included and positioned on the article to enable rolling or **folding** the garment after use and thereby secure it in a neat bundle for disposal. In the disclosed embodiments, the **mechanical fastener** is comprised of hook **tabs** at the rear waistband which engage a patch of loop material **adhesively** bonded on the front waistband. The second fastener means of the disclosed embodiments utilizes the tabs which engage a compatible component on the garment placed in the same half portion with the tabs. The disclosed species of the second (disposability) **fastener** means include: (1) **tabs** comprised of a hook component on one surface and loop component on the opposite surface thereof; or (2) tabs comprised of a hook component and a loop component on the outer surface in the same (rear) half of the garment; or (3) tabs comprised of a hook component and a loop component on the outer surface at the rear half of the cover in the region of the ears which is comprised of either the loop material mounted on the garment outer surface or is a non-woven material portion configured to function with the hook component and perform the secondary **fastening** function; or (4) **tabs** comprised of a hook component area and a pressure-sensitive **adhesive** area, the latter **adhesively fastening** the **tabs** to the rear half of the outer polymer cover sheet of the garment; or (5) tabs comprised of a hook component and transverse interlocking slots in the tabs, which link the ends of the rear waistband around the rolled garment to secure it for disposal.

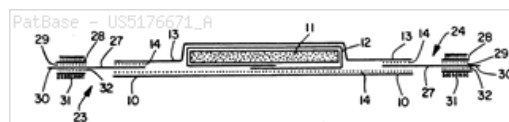
Classifications:

International (IPC 8-9): A41B13/00 A41H43/00 A44B18/00 A44B99/00 A61F13/15 A61F13/49 A61F13/56 A61F13/62 A61F5/44 B29C65/00 B32B3/00 B32B5/00 B32B7/00 G06F1/26 G06F7/02 (Advanced/Invention); A44B18/00 A61F13/56 A61F13/62 A61F5/44 (Advanced/Non-invention); A44B18/00 A44B99/00 A61F13/15 A61F13/56 A61F5/44 B29C65/00 G06F1/26 G06F7/02 (Core/Invention); A61F13/15 (Core/Non-invention); A41B A44B A61F B32B (Subclass/Invention)

International (IPC 1-7): A41B A41B13/02 A41F1/00 A41H42/00 A41H43/00 A41H43/04 A44B A44B18/00 A44B21/00 A61F A61F13/15 A61F13/20 A61F13/49 A61F13/56 A61F13/58 A61F13/62 A61F13/67 A61F5/44 B32B B32B31/10 B32B31/18 D04H11/00 **CP:** B29C66/21 Y10T156/1067 Y10T156/1077 Y10T156/1087 Y10T156/1074 Y10T156/1084 B29C66/729 B29C66/729A A61F13/551 B29C2793/00 Y10T428/23957 B29C66/721 B29C66/7392 B29C66/7394 B29C66/71 B29C66/73921 B29C66/73941 B29C66/83411 B29C66/83413 B29C66/83511 A61F13/622 B29C65/087 B29C65/18 A61F13/625 B29C65/02 B29C65/14 B29C66/472 A61F13/5633 A61F13/5512 B29L2031/4878 B29C66/4722 B29C65/62 B29C65/4815 B29C66/723 B29C66/1122 A61F13/62

European: A61F13/551 A61F13/551A6 A61F13/62 B29C66/4722 G03B15/08 G03B31/02 L29C793/00 L29L31/48E2 S10L21/10L S11B220/90 T04N5/60

US: 156/259 156/263 156/265 156/269 156/271 156/66 375/E07.083 375/E07.271 428/92 604/358 604/385.1 604/385.13 604/386 604/387 604/389 604/390 604/391



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: KIMBERLY CLARK CORP

Assignee(s): (std): KIMBERLY CLARK GLOBAL CORP ; KIMBERLY CLARK CO ; KIMBERLY CLARK CORP

Assignee(s): KIMBERLY CLARK COPORATION A CORP ; KIMBERLY CLARK COPORATION A CORP OF DELAWARE ; KIMBERLY CLARK CORP NEENAH WIS US ; FALLEN CHARLES R ; HEIN JOHN GERARD ; HEINDEL TIMOTHY RAYMOND ; JANSSEN TIM JOSEPH ; KIMBERLY CLARK WORLDWIDE INC ; KIMBERLY CLARK WORLDWIDE ;

ALCATEL LUCENT USA INC ; CHASE MANHATTAN BANK COLLATERAL AGENT AS ; DILNIK REBECCA LYN ; EHLERT THOMAS DAVID ; KIMBERLY CLARK CORPUS ; LOCUTION PITCH LLC ; POPP ROBERT L ; ROESSLER THOMAS H ; ODORZYNSKI THOMAS W ; LEVEILLE ROBERT JOHN ; PETERSON KATHLEEN ANN ; MLEZIVA MARK MICHAEL ; MCNICHOLS PATRICK SEAN ; PENNINGS SCOTT LEE ; LEAK ALLEN TODD ; SIEBERS BRUCE M ; TRAVIS GARY L ; SNYDER MICHAEL A ; ZEHNER GEORGIA LYNN ; SIEBERS BRUCE MICHAEL ; WILLIAMS SCOTT LESLIE ; SERBIAK PAUL JOHN ; VOGT ROBERT EUGENE

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

Title: MECHANICAL FASTENING ELEMENT

Abstract: The invention relates to a mechanical fastening element comprising a multiplicity of flexible hook elements emanating from a backing layer (1) and comprising stems (2) terminating in hook heads (3), said fastening element being releasably engageable with a complementary mechanical fastening element, the top portions of the hook heads (3) and/or at least part of the interstitial spaces (4) between the stems (2) of said fastening means being coated with a hot-melt pressure-sensitive adhesive (5) so that the level of the adhesive in the interstitial spaces (4), where present, does not exceed the length of the stems (2), and so that essentially no adhesive bridges are present between adjacent hook heads (3), said hot-melt pressure sensitive adhesive (5) having a viscosity as measured at the coating temperature of between 2,000 and 18,000 mPa-s.

Classifications:

International (IPC 8-9): A44B18/00 A61F13/58 (Advanced/Invention);
A44B18/00 (Advanced/Non-invention);

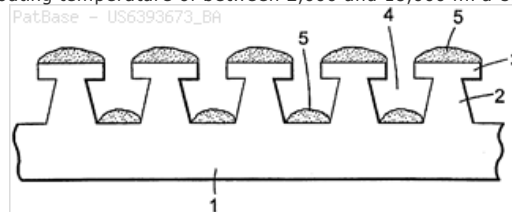
A44B18/00 A61F13/56 (Core/Invention)

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CPC: A44B18/0065 A44B18/008 A61F13/581 Y10T24/2708 Y10T24/33

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