

**Search query (2):** [SP]: disposable absorbent product with elastic leg opening regions and related methods a disposable absorbent product extends along a longitudinal dimension and a width dimension. the absorbent product has a backsheet, a topsheet overlaying the backsheet, and an absorbent core that is disposed between the backsheet and the topsheet for absorbing and retaining fluid secreted by a wearer of the absorbent product. the absorbent product also has a first multidirectional stretch material layer, adjacent the backsheet, that defines a first contoured leg opening of the absorbent product adapted to fit around a first leg of the wearer of the absorbent product.

**Results:** 59

**1) Family number: 54171619** (US2013165890A)

© PatBase

**Title:** DISPOSABLE ABSORBENT PRODUCT WITH ELASTIC LEG OPENING REGIONS AND RELATED METHODS

**Abstract:** A disposable absorbent product extends along a longitudinal dimension and a width dimension. The absorbent product has a backsheet, a topsheet overlaying the backsheet, and an absorbent core that is disposed between the backsheet and the topsheet for absorbing and retaining fluid secreted by a wearer of the absorbent product. The absorbent product also has a first multidirectional stretch material layer, adjacent the backsheet, that defines a first contoured leg opening of the absorbent product adapted to fit around a first leg of the wearer of the absorbent product.

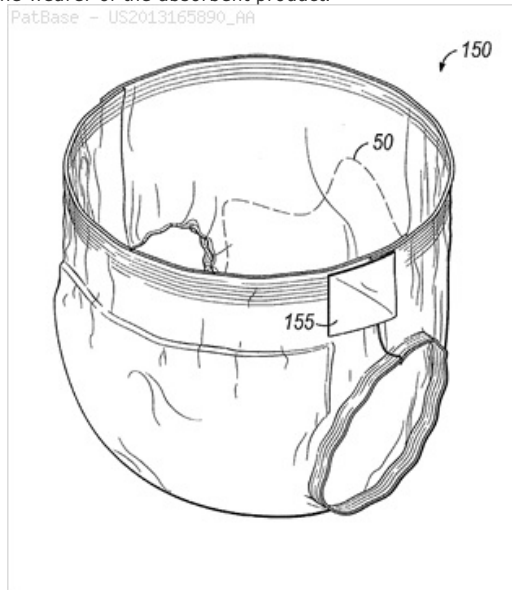
**Classifications:**

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

A61F13/496 A61F13/514 B31B1/00 (Advanced/Invention)

**CPC:** A61F13/49017 A61F13/49019 A61F13/4902 A61F13/49058

**US:** 1/1 493/393 604/385.16



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AU2012357740 AA    | 20130627         | AU20120357740      | 20121219         |
| AU2012357740 BB    | 20150326         | AU20120357740      | 20121219         |
| AU2012357740 BI    | 20150730         | AU20120357740      | 20121219         |
| BR112014015092 A2  | 20170613         | BR20141115092      | 20121219         |
| BR112014015092 A8  | 20170613         | BR20141115092      | 20121219         |
| BR112014015092 A8  | 20170704         | BR20141115092      | 20121219         |
| BR112014015092 A8  | 20170704         | BR20141115092      | 20121219         |
| CN104093386 A      | 20141008         | CN201280066387     | 20121219         |
| CN104093386 B      | 20170222         | CN201280066387     | 20121219         |
| CO7000760 A2       | 20140721         | CO20140149727      | 20140711         |
| EP2793786 A1       | 20141029         | EP20120809263      | 20121219         |
| JP2015502228 T2    | 20150122         | JP20140547974T     | 20121219         |
| JP6037348 B2       | 20161207         | JP20140547974T     | 20121219         |
| RU2014130213 A     | 20160220         | RU20140130213      | 20121219         |
| RU2585709 C2       | 20160610         | RU20140130213      | 20121219         |
| US2013165890 AA    | 20130627         | US20110336731      | 20111223         |
| US9289331 BB       | 20160322         | US20110336731      | 20111223         |
| WO13092704 A1      | 20130627         | WO2012EP76138      | 20121219         |

**Priority:**

US20110336731 20111223 WO2012EP76138 20121219

**Probable Assignee:** ESSITY HYGIENE AND HEALTH AKTIEBOLAG

**Assignee(s):** (std): GLAUG FRANK STEVEN ; SCA HYGIENE PROD AB ; CARNEY JOSHUA DANIEL ; ESSITY HYGIENE AND HEALTH AB ; UNER SUE

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

**Inventor(s):** (std): CARNEY JOSHUA ; CARNEY JOSHUA DANIEL ; GLAUG FRANK STEVEN ; GLOG FRENK STIVEN ; KARNI DZHOSHUA DENIEL ; UNER SUE ; UNER SYU

**Inventor(s):** SUE UNER ; JOSHUA CARNEY ; FRANK STEVEN GLAUG

**Agent(s):** WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; GRIFFITH HACK; LUZ CLEMENCIA DE PAEZ; HOFFMANN EITLE; BUCHANAN INGERSOLL AND ROONEY PC; GOLLER DANIEL ET AL

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

## 2) Family number: 54171616 (US2013165886A)

© PatBase

**Title:** ABSORBENT CORE AND DISPOSABLE ABSORBENT PRODUCT WITH SUCH ABSORBENT CORE

**Abstract:** A disposable absorbent product extends along a longitudinal dimension and a width dimension. The absorbent product has a backsheet, a topsheet overlaying the backsheet, and an absorbent core disposed between the backsheet and the topsheet for absorbing and retaining fluid secreted by a wearer of the absorbent product. The absorbent core includes a pair of arm portions and a pair of leg portions, with the arm and leg portions protruding laterally and longitudinally from a central portion of the absorbent core.

### Classifications:

**International (IPC 8-9):** A61F13/15 A61F13/45 A61F13/49

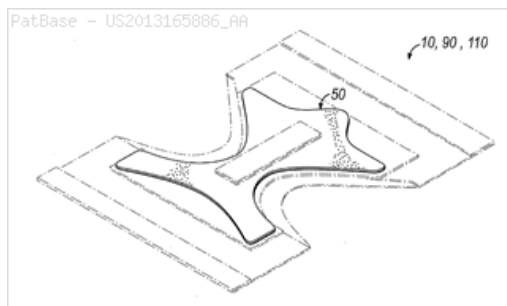
A61F13/494 A61F13/51 (Advanced/Invention);

A61F13/45 A61F13/472 A61F13/49 (Advanced/Non-invention)

**CPC:** A61F13/45 A61F13/47236 A61F2013/49068 A61F13/4946

A61F2013/4568 A61F2013/49074 A61F2013/4908 A61F2013/49082

**US:** 1/1 604/385.01



### Family:

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US2013165886 AA    | 20130627         | US20110336684      | 20111223         |
| US9132046 BB       | 20150915         | US20110336684      | 20111223         |
| WO13092705 A1      | 20130627         | WO2012EP76139      | 20121219         |

### Priority:

US20110336684 20111223

**Probable Assignee:** SCA HYGIENE PRODUCTS AB

**Assignee(s):** (std): CARNEY JOSHUA DANIEL ; GLAUG FRANK STEVEN ; SCA HYGIENE PROD AB ; UNER SUE

**Assignee(s):** SCA HYGIENE PRODUCTS AB

**Inventor(s):** (std): CARNEY JOSHUA DANIEL ; GLAUG FRANK STEVEN ; UNER SUE

**Agent(s):** BUCHANAN INGERSOLL AND ROONEY PC; GOLLER DANIEL ET AL

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

## 3) Family number: 11776306 (US5385500A)

© PatBase

**Title:** Flashlight toy

**Abstract:** The present invention features a snake toy having an illumination apparatus in its mouth. The body of the snake toy has an inner, flexible, corrugated tube of metal or plastic. The flexible corrugation is easily twisted in order to provide different shapes or configurations for the snake body. In this fashion, the snake can be shaped to stand alone upon a table or to wrap around handlebars of a bicycle or the back of a chair, for example. Likewise, the snake can be easily carried about one's person by wrapping it about the neck, arm, or leg. The twisting and shaping capability also serves as a means by which the illumination from the built-in flashlight can be focused or directed upon an object or a particular spot. By shaping the snake, one can direct the light emanating from the snake's mouth onto the page of a book, for instance. The inner tube of the snake's is covered by soft polyester batting, which is further overlaid with an outer cloth shell.

### Classifications:

**International (IPC 8-9):** A63H3/00 F21V21/32 (Advanced/Invention);

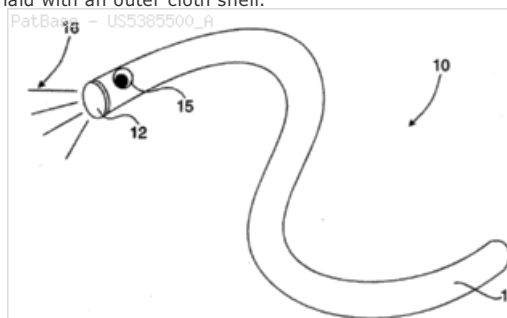
A63H3/00 F21V21/14 (Core/Invention)

**International (IPC 1-7):** A63H3/00 A63H33/00 A63H33/26

**CPC:** A63H3/006 F21V21/32

**European:** A63H3/00E F21V21/32

**US:** 362/189 446/26 446/370 446/374 446/485 446/71 446/73



### Family:

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US5385500 A        | 19950131         | US19930061893      | 19930514         |

### Priority:

US19930061893 19930514

**Probable Assignee:** BLACK AND DECKER INC

**Assignee(s):** (std): SCHMIDT CAITLYN R

Assignee(s): BLACK AND DECKER INC  
Inventor(s): (std): SCHMIDT CAITLYN R

4) Family number: 12653015 (US6142985A)

© PatBase

Title: ABSORBENT ARTICLES HAVING Z-FOLDED BARRIER CUFFS PROVIDING IMPROVED FIT AND CONTAINMENT

**Abstract:** A Z-folded barrier cuff is provided to allow both sufficient lateral spacing of the barrier cuffs for the genitals in the front and for BM containment in the back as well as sufficient cuff height in the crotch area for good fit into the leg crease and good containment of body exudates. The barrier cuff is Z-folded by folding a first portion back upon itself such that a first segment and a second segment is formed. A second portion is folded laterally inwardly back upon itself such that a third segment is formed. Thus, the Z-folded barrier cuffs are properly laterally spaced in the crotch area and near the end edges while providing sufficient height to properly contain body exudates.

**Classifications:**

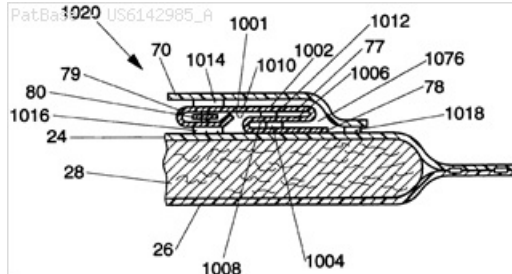
**International (IPC 8-9):** A61F13/15 A61F13/49 A61F13/56 A61F5/44 (Advanced/Invention);  
A61F13/15 A61F13/56 A61F5/44 (Advanced/Non-invention);  
A61F13/15 A61F5/44 (Core/Invention);  
A61F13/56 (Core/Non-invention)

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

**CPC:** A61F13/49009 A61F2013/49047 A61F2013/49082 A61F2013/5688

**European:** A61F13/49D2 K61F13/15M1B K61F13/49D3A2 K61F13/49H8 K61F13/56G1

**US:** 604/385.28 604/385.29 604/385.3



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AU199470953 A1     | 19950103         | AU19940070953      | 19940523         |
| BRPI9406784 A      | 19960206         | BR1994PI06784      | 19940523         |
| CA2163736 AA       | 19951124         | CA19942163736      | 19940523         |
| CA2163736 C        | 20000307         | CA19942163736      | 19940523         |
| CZ318895 A3        | 19961113         | CZ19950003188      | 19940523         |
| CZ9503188 A3       | 19961113         | CZ19950003188      | 19940523         |
| DE69417742 D1      | 19990512         | DE19946017742      | 19940523         |
| DE69417742 D1      | 19990512         | DE19946017742T     | 19940523         |
| DE69417742 T2      | 19990902         | DE19946017742T     | 19940523         |
| EP0701425 A1       | 19960320         | EP19940920025      | 19940523         |
| EP0701425 B1       | 19990407         | EP19940920025      | 19940523         |
| ES2132410 T3       | 19990816         | ES19940920025T     | 19940523         |
| FI955788 A         | 19960202         | FI19950005788      | 19951201         |
| FI955788 A0        | 19951201         | FI19950005788      | 19951201         |
| GR3030611 T3       | 19991029         | GR19990401696T     | 19990625         |
| HK1012955 A1       | 20000623         | HK19980114409      | 19981221         |
| HU73113 A2         | 19960628         | HU19950003449      | 19940523         |
| HU9503449 A0       | 19960328         | HU19950003449      | 19940523         |
| JP3907696 B2       | 20070418         | JP19950501822T     | 19940523         |
| JP8510940 T2       | 19961119         | JP19950501822T     | 19940523         |
| KR100339930 B1     | 20050608         | KR19950705462      | 19951202         |
| KR19960702742 A    | 19960523         | KR19950705462      | 19951202         |
| KR19967002742 A    | 19960523         | KR19957005462      | 19940523         |
| KR967002742 A      | 19960523         | KR19950705462      | 19951202         |
| NO954867 A         | 19960205         | NO19950004867      | 19951130         |
| NO954867 A0        | 19951130         | NO19950004867      | 19951130         |
| NO954867 L         | 19960205         | NO19950004867      | 19951130         |
| TH18741 A          | 19960529         | TH19941001108      | 19940602         |
| TH20544 B          | 20060918         | TH19941001108      | 19940602         |
| US6142985 A        | 20001107         | US19950389086      | 19950214         |
| WO9428840 A2       | 19941222         | WO1994US05708      | 19940523         |
| WO9428840 A3       | 19950216         | WO1994US05708      | 19940523         |

**Priority:**

US19930071899 19930603 WO1994US05708 19940523 US19950389086 19950214

**Probable Assignee:** PROCTER AND GAMBLE CO

**Assignee(s):** (std): PROCTER AND GAMBLE

**Assignee(s):** PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE CO ; PROCTER AND GAMBLE CO THE ; PROCTER AND GAMBLE COMPANY THE ; THE PROCTER AND GAMBLE COMPANY ; THE PROCTER AND GAMBLE CO CINCINNATI OHIO US ; FEIST BARRY ROBERT

**Inventor(s):** (std): FEIST BARRY ROBERT ; FEIST BARRY

**Inventor(s):** BARRY ROBERT FEIST ; FEIST BARRY ROBERT CINCINNATI OH 45243 US ; Barry Robert ; Feist

**Agent(s):** SIM AND MCBURNEY

**Designated states:** 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 KG KP KR KZ LI LK 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

5) Family number: 15195473 (US2008119586A)

© PatBase

Title: ABSORBENT COMPOSITES AND ABSORBENT ARTICLES CONTAINING SAME

**Abstract:** When a superabsorbent material is to be incorporated into an absorbent composite in a relatively high concentration, it is necessary to carefully choose the superabsorbent material. Properties of the superabsorbent material to be considered are total Absorbent Capacity, resistance to Deformation Under Load, the ability of the superabsorbent material to absorb while under a restraining force, and the ability of the superabsorbent material to wick fluids away from the insult area. By quantifying these characteristics of a superabsorbent material, Applicants are able to predict which superabsorbent materials are suited for use in absorbent composites comprising a relatively high concentration of superabsorbent material.

**Classifications:**

**International (IPC 8-9):** A61F13/00 A61F13/15 A61F13/49 A61F13/53 A61F13/534 A61F5/44 A61L15/20 A61L15/24 A61L15/60 (Advanced/Invention); A61F5/44 (Advanced/Non-invention); A61F13/00 A61F13/15 A61F5/44 A61L15/16 (Core/Invention); A41B A61F (Subclass/Invention)

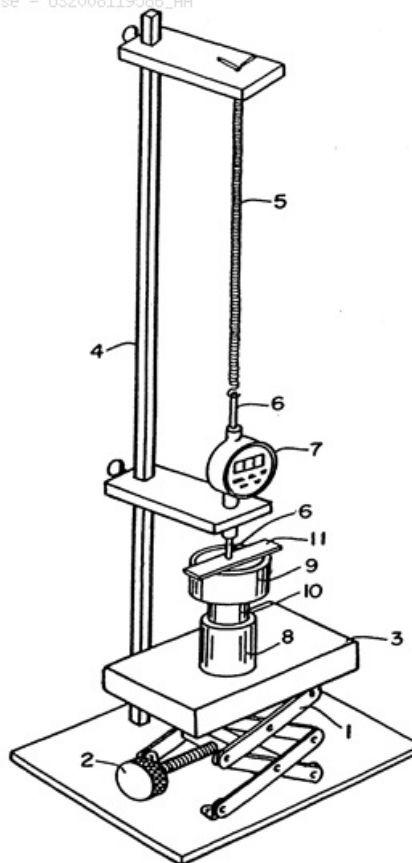
**International (IPC 1-7):** A41B A61F13/00 A61F13/15 A61F13/18 A61F13/20 A61F13/46 A61F5/44 A61F5/48 A61L15/20 A61L15/60 B32B5/06 D04H1/00

**CPC:** A61F13/53 A61L15/24 Y10S428/913 A61F2013/530744 A61F13/51121 A61F13/513 A61F13/512 A61F13/511 A61F13/5116 A61F2013/51014 A61F2013/51019 A61F2013/51033 A61F2013/51052 A61F13/15203 A61F13/531 A61F2013/15365 A61F2013/8488 A61F2013/8491 A61L15/60 A61F13/49 A61F13/49009 A61F13/49011 A61F13/491 A61F13/49413 A61F13/537 A61F2013/15284 A61F2013/49076 A61F2013/49077 A61F2013/4948 A61F2013/51409 A61F2013/51411 A61F2013/51441 A61F2013/51443 A61F2013/530007 A61F2013/530014 A61F2013/530029 A61F2013/530131 A61F2013/530226 A61F2013/530233 A61F2013/53024 A61F2013/530255 A61F2013/530299 A61F2013/530328 A61F2013/530343 A61F2013/53035 A61F2013/530437 A61F2013/530481 A61F2013/530569 A61F2013/530583 A61F2013/530591 A61F2013/530613 A61F2013/5307 A61F2013/530708 A61F2013/530766 A61F2013/530802 A61F2013/53445 A61F2013/53721 A61F2013/53795 A61F2013/53908 A61F2013/53916 Y10T428/24603

**European:** A61F13/15J A61F13/49D2 A61F13/53 A61F13/531 A61L15/24 A61L15/60 K61F13/15C3D1 K61F13/15C3D1A K61F13/15C3D3 K61F13/15C3D3A K61F13/15C5D K61F13/15C5G K61F13/15C5J5 K61F13/15C5M7 K61F13/15D4B3A K61F13/15E10A K61F13/15E10A1 K61F13/15E2A K61F13/15E2D K61F13/15E2D4 K61F13/15E2D7 K61F13/15E3 K61F13/15E3A K61F13/15E3C K61F13/15E4 K61F13/15E4J K61F13/15E4J1 K61F13/15E4J2 K61F13/15E4J4 K61F13/15E4J5 K61F13/15E4K K61F13/15E4M K61F13/15E4M1 K61F13/15E6 K61F13/15E7 K61F13/15E7C K61F13/15E7D K61F13/15E7D1 K61F13/15E7D2 K61F13/15E7F K61F13/15E7H K61F13/15E7H5 K61F13/15E8 K61F13/15H7 K61F13/15H7A K61F13/15J8 K61F13/15J8D K61F13/49 K61F13/491 K61F13/494A1 K61F13/494D K61F13/49D2B K61F13/49H5 K61F13/49H6 K61F13/511 K61F13/511D4 K61F13/511E K61F13/514A4 K61F13/534C K61F13/537 K61F13/537B5 K61F13/537H K61F13/539A K61F13/539A1 K61F13/53L K61F13/53L1 K61F13/53L3 K61F13/53M K61F13/53M4 K61F13/53M4A K61F13/53M4B K61F13/53M4D K61F13/53M4E K61F13/53M5 K61F13/53M7 K61F13/53M7A K61F13/53P K61F13/53Q K61F13/53Q3 K61F13/53Q4 K61F13/53Q4A K61F13/53Q4B K61F13/53Q6 K61F13/53Q8 K61F13/53Q8B1 K61F13/53Q8B3 K61F13/53R K61F13/84E K61F13/84E1

**US:** 428/171 428/237 428/273 428/284 428/298 428/913 523/111 604/367 604/378

PatBase - US2008119586\_A4



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AU199223507 A1     | 19930318         | AU19920023507      | 19920910         |
| AU199223508 A1     | 19930318         | AU19920023508      | 19920910         |
| AU199223509 A1     | 19930325         | AU19920023509      | 19920910         |
| AU199472953 A1     | 19941124         | AU19940072953      | 19940913         |
| AU199472954 A1     | 19941124         | AU19940072954      | 19940913         |
| AU656017 B2        | 19950119         | AU19920023508      | 19920910         |
| AU657993 B2        | 19950330         | AU19920023507      | 19920910         |
| AU658439 B2        | 19950413         | AU19920023509      | 19920910         |
| AU679095 B2        | 19970619         | AU19940072954      | 19940913         |
| AU685822 B2        | 19980129         | AU19940072953      | 19940913         |
| BRPI9203134 A      | 19930413         | BR1992PI03134      | 19920813         |
| BRPI9203246 A      | 19930413         | BR1992PI03246      | 19920820         |
| BRPI9203512 A      | 19930413         | BR1992PI03512      | 19920910         |
| CA2057694 AA       | 19930312         | CA19912057694      | 19911216         |
| CA2057694 C        | 20020528         | CA19912057694      | 19911216         |
| CA2060743 AA       | 19930312         | CA19922060743      | 19920205         |
| CA2060744 AA       | 19930312         | CA19922060744      | 19920205         |
| CA2060744 C        | 20020129         | CA19922060744      | 19920205         |
| CA2076945 AA       | 19930312         | CA19922076945      | 19920826         |
| CA2076945 C        | 20021008         | CA19922076945      | 19920826         |
| DE69215465 D1      | 19970109         | DE19926015465      | 19920910         |
| DE69215465 D1      | 19970109         | DE19926015465T     | 19920910         |
| DE69215465 T2      | 19970327         | DE19926015465T     | 19920910         |
| DE69215465 T3      | 20021002         | DE19926015465T     | 19920910         |
| DE69217817 D1      | 19970410         | DE19926017817      | 19920910         |
| DE69217817 D1      | 19970410         | DE19926017817T     | 19920910         |
| DE69217817 T2      | 19970814         | DE19926017817T     | 19920910         |
| DE69217817 T3      | 20061005         | DE19926017817T     | 19920910         |
| DE69219705 D1      | 19970619         | DE19926019705      | 19920910         |
| DE69219705 D1      | 19970619         | DE19926019705T     | 19920910         |
| DE69219705 T2      | 19971127         | DE19926019705T     | 19920910         |
| DE69231774 D1      | 20010510         | DE19926031774T     | 19920910         |
| DE69231774 D1      | 20010510         | DE19926031774      | 19920910         |
| DE69231774 T2      | 20011122         | DE19926031774T     | 19920910         |
| DE69231775 D1      | 20010510         | DE19926031775      | 19920910         |

|                 |          |                |          |
|-----------------|----------|----------------|----------|
| DE69231775 D1   | 20010510 | DE19926031775T | 19920910 |
| DE69231775 T2   | 20011122 | DE19926031775T | 19920910 |
| EG19584 A       | 19950629 | EG19920000529  | 19920909 |
| EG19718 A       | 19950830 | EG19920000531  | 19920909 |
| EG19802 A       | 19960531 | EG19920000533  | 19920909 |
| EP0532002 A1    | 19930317 | EP19920115510  | 19920910 |
| EP0532002 B1    | 19970514 | EP19920115510  | 19920910 |
| EP0532005 A1    | 19930317 | EP19920115518  | 19920910 |
| EP0532005 B1    | 19961127 | EP19920115518  | 19920910 |
| EP0532005 B2    | 20011205 | EP19920115518  | 19920910 |
| EP0539703 A1    | 19930505 | EP19920115530  | 19920910 |
| EP0539703 B1    | 19970305 | EP19920115530  | 19920910 |
| EP0539703 B2    | 20051019 | EP19920115530  | 19920910 |
| EP0761191 A2    | 19970312 | EP19960117365  | 19920910 |
| EP0761191 A3    | 19970326 | EP19960117365  | 19920910 |
| EP0761191 B1    | 20010404 | EP19960117365  | 19920910 |
| EP0761192 A2    | 19970312 | EP19960117367  | 19920910 |
| EP0761192 A3    | 19970326 | EP19960117367  | 19920910 |
| EP0761192 B1    | 20010404 | EP19960117367  | 19920910 |
| ES2094262 T3    | 19970116 | ES19920115518T | 19920910 |
| ES2094262 T5    | 20020216 | ES19920115518T | 19920910 |
| ES2097846 T3    | 19970416 | ES19920115530T | 19920910 |
| ES2097846 T5    | 20060416 | ES19920115530T | 19920910 |
| ES2100991 T3    | 19970701 | ES19920115510T | 19920910 |
| ES2155561 T3    | 20010516 | ES19960117365T | 19920910 |
| ES2155562 T3    | 20010516 | ES19960117367T | 19920910 |
| HK1006393 A1    | 19990226 | HK19980105653  | 19980618 |
| JP5200068 A2    | 19930810 | JP19920241547  | 19920910 |
| JP5245168 A2    | 19930924 | JP19920241548  | 19920910 |
| JP5261126 A2    | 19931012 | JP19920241546  | 19920910 |
| KR100217829 B1  | 19990901 | KR19920016560  | 19920909 |
| KR100217832 B1  | 19990901 | KR19920016556  | 19920909 |
| KR100230217 B1  | 19991115 | KR19920016557  | 19920909 |
| KR19930005597 A | 19930420 | KR19920016556  | 19920909 |
| KR19930005598 A | 19930420 | KR19920016557  | 19920909 |
| KR19930005637 A | 19930420 | KR19920016560  | 19920909 |
| KR930005597 A   | 19930420 | KR19920016556  | 19920909 |
| KR930005637 A   | 19930420 | KR19920016560  | 19920909 |
| MX9200645 A1    | 19940331 | MX19920000645  | 19920214 |
| MX9200647 A1    | 19930901 | MX19920000647  | 19920214 |
| MX9200648 A1    | 19921101 | MX19920000648  | 19920214 |
| MX9200648 A2    | 19930120 | MX19920000648  | 19920214 |
| PH31629 A       | 19990112 | PH19920044845  | 19920820 |
| TR28847 A       | 19970806 | TR19920000857  | 19920910 |
| US2008119586 AA | 20080522 | US20070939315  | 20071113 |
| US5192606 A     | 19930309 | US19910757778  | 19910911 |
| US5509915 A     | 19960423 | US19930096654  | 19930722 |
| ZA9200306 A     | 19921028 | ZA19920000306  | 19920115 |
| ZA9200308 A     | 19921028 | ZA19920000308  | 19920115 |
| ZA9206099 A     | 19930302 | ZA19920006099  | 19920813 |

#### Priority:

|                        |                        |                        |
|------------------------|------------------------|------------------------|
| US19910757778 19910911 | US19910757760 19910911 | US19910757787 19910911 |
| CA19912057694 19911216 | CA19922060743 19920205 | CA19922060744 19920205 |
| US19920906001 19920626 | CA19922076945 19920826 | AU19920023507 19920910 |
| EP19920115510 19920910 | US19930096654 19930722 | US19930171379 19931221 |
| US20070939315 20071113 |                        |                        |

#### Probable Assignee: KIMBERLY CLARK CORP

**Assignee(s):** (std): TSAI CHUAN LING ; KELLENBERGER STANLEY ROY ; IWANSKI DAVID GERARD ; BYERLY SHANNON KATHLEEN ; QIN JIAN ; SHIH SCHROEDER WEN HUEY ; SZYMONSKI KRZYSZTOF ANDRZEJ ; YARBROUGH SANDRA MARIE ; KIMBERLY CLARK CO ; KIMBERLY CLARKE CORP ; KIMBERLY CLARK CORP ; KIMBERLY CLARK CORP

**Assignee(s):** KIMBERLY CLARK WORLDWIDE INC ; JACKSON WANDA WALTON ; ZENKER DAVID LOUIS ; ZUNKER MARYANN ; WENTZEL TOM KARL ; STEVENS ROBERT ALAN ; SZYMONSKI KRZYSZTOF ANDRZEJ ; SCHLINZ DANIEL ROBERT ; PROXMIRE DEBORAH LYNN ; MCCORMACK ANN LOUISE ; MACE TAMARA LEE ; KOLLIN NANCY DONALDSON ; BRUD LYNN CAROL ; ELLIS CLIFFORD JACKSON ; EVERETT ROB DAVID ; GOSSEN BARBARA ANN ; GRUBE VIOLET MAY ; HANSON WILLIAM DUANE ; KIMBERLY CLARK CORP NEENAH WIS US ; KIMBERLY KLARK CORP ; LEMAHIEU DAVID LEE

**Inventor(s):** (std): ELLIS CLIFFORD JACKSON ; EVERETT ROB DAVID ; GOSSEN BARBARA ANN ; GRUBE VIOLET MAY ; HANSON WILLIAM DUANE ; IWANSKI DAVID GERARD ; KELLENBERGER STANLEY ROY ; BRUD LYNN CAROL ; BYERLY SHANNON KATHLEEN ; LEMAHIEU DAVID LEE ; MCCORMACK ANN LOUISE ; QIN JIAN ; SHIH SCHROEDER WEN HUEY ; SHIH SCHROEDER WEN HUEY ; TAMARA L MACE ; TOM KARL WENTZEL ; TSAI CHUAN LING ; STEVENS ROBERT ALAN ; SZYMONSKI KRZYSZTOF ANDRZEJ ; VIOLET MAY GRUBE ; WEN HUEY SHIH SCHROEDER ; WENTZEL TOM K ; WENTZEL TOM KARL ; WILLIAM DUANE HANSON ; YARBROUGH SANDRA MARIE ; YARBROUGH SANDRA M ; YARBROUGH SANDRA MARIE ; YOARBROUGH SANDRA MARIE ; ZENKER DAVID L ; ZENKER DAVID LOUIS ; ZUNKER MARYANN ; STEVENS ROBERT A ; STANLEY R KELLENBERGER ; SHIN SCHROEDER WEN HUEY ; SHANNON KATHLEEN BYERLY ; SHANNON K BYERLY ; SCHLINZ DAVID R ; SZYMONSKI KRZYSZTOF ANDREU ; SZYMONSKI KRZYSZTOF A ; SANDRA M YARBROUGH ; SADRA MARIE YARBROUGH ; ROBERT ALAN STEVENS ; ROB DAVID EVERETT ; PROXMIRE LYNN ; OIN JIAN ; MACE TAMARA L ; LYNN CAROL BRUD ; LEMATHIEU DAVID LEE ; LEMAHIEU DAVID L ; KURIJISUTOFU ANDOREJII SHIMONS ; KRZYSZTOF ANDRZEJSZYMONSKI ; KOLLIN NANCY DONALSON ; KELLENBERGER STANLEY R ; JIAN OIN ; MCCORMACK ANN L ; MARY AMD ZUNKER ; IWANSKI DAVID G ; HANSON WILLIAM D ; GRUBE VIOLET M ; GOSSEN BARBARA A ; EVERETT ROB D ; ELLIS CLIFFORD J ; DEBORAH ; DAVID LEE LEMAHIEU ; DAVID GERARD IWANSKI ; DAVID G IWANSKI ; KRZYSZTOF ANDRZEJ SZYMONSKI ; JRAN QUINROBERT ALAN STEVENS ; JIAN KIN ; GERARD DAVID ; DEIBUITSUDO JIERAADO IWANSUKII ; DEBORAH LYNN PROXMIRE ; DEBORAH L PROXMIRE ; DAVID LOUIS ZENKER ; DAVID LEE LEMANIEU ; DANIEL R SCHLINZ ; CHIYUAN RIN

TSUAI ; ANN LOUISE MCCORMACK ; AN RUISU MAKOOMATSUKU ; WANDA W JACKSON ; SCHLINZ DANIEL R ; SANDRA MARIE YARBOROUGH ; SANDRA M ; PROXMIRE DEBORAH L ; MARYANN ZUNKER ; KOLLIN NANCY D ; JIAN QIN ; JACKSON WANDA W ; IWENSKI DAVID G ; DEBORA RIN PUROKUSUMAIA ; DAVID GERARD IWASKI ; DANIERU ROBAATO SHIYURINTSU ; DANIEL ROBERT SCHLINZ ; CORMACK ANN L MC ; ANN L MC CORMACK ; SZYMONSKI KRZYSZTOF ANDRZEJ ; SCHLINZ DANIEL ROBERT ; PROXMIRE DEBORAH LYNN ; MCCORMACK ANN LOUISE ; MACE TAMARA LEE ; LEMAHIEU DAVID K ; KOLLIN NANCY DONALDSON ; JACKSON WANDA WALTON ; WANDA WALTON JACKSON ; WANDA UORUTON JIYAKUSON ; UEN HIYUUI SHII SHIYUROODAA ; TAMARA RII MEISU ; TAMARA LEE MACE ; SUTANRII ROI KERENBAAGAA ; STANLEY ROY KELLENBERGER ; SHIYANON KASARIIN BAIARII ; SANDRA MARIE YARBROUGH ; SANDRA MARIE YARBROU ; SANDORA MARI YABUROO ; NANSHII DONARUDOSON KORIN ; NANCY DONALSON KOLLIN ; NANCY DONALDSON KOLLIN ; NANCY D KOLLIN ; CLIFFORD JACKSON ELLIS ; CHUAN LING TSAI ; BYERLY SHANNON K ; BRUD LYNN C ; BARBARA ANN GOSSEN ; SZYMONSKI KRZYSZTOF ANDRZEJ

**Inventor(s):** ANN LOUISE MCCOMACK ; BRUD LYNN CAROL APPLETON WISCONSIN 54914 US ; BYERLY SHANNON KATHLEEN APPLETON WISCONSIN 54914 U ; KURIJISUTOFU ANDOREJII SHIMONSUKII ; BYERLY SHANNON KATHLEEN APPLETON WISCONSIN 54914 US ; DAVID LEE LEMATHIEU ; ELLIS CLIFFORD JACKSON WOODSTOCK GEORGIA 30188 US ; EVERETT ROB DAVID NEENAH WI 54956 3946 US ; GOSSEN BARBARA ANN NEENAH WISCONSIN 54956 US ; GRUBE VIOLET MAY APPLETON WISCONSIN 54915 US ; HANSON WILLIAM DUANE NEENAH WISCONSIN 54956 US ; MACE TAMARA LEE ALPHARETTA GEORGIA 30202 US ; JACKSON WANDA WALTON ALPHARETTA GEORGIA 30201 US ; IWANSKI DAVID GERARD MENASHA WISCONSIN 54952 US ; KOLLIN NANCY DONALDSON ROSWELL GEORGIA 30076 US ; KELLENBERGER STANLEY ROY APPLETON WISCONSIN 54911 US ; KELLENBERGER STANLEY ROY APPLETON WISCONSIN 54911 ; KRZYSZTOF ANDREU SZYMONSKI ; LEMAHIEU DAVID LEE APPLETON WISCONSIN 54914 US ; MCCORMACK ANN LOUISE CUMMING GEORGIA 30130 US ; PROXMIRE DEBORAH LYNN LARSEN WISCONSIN 54947 US ; QIN JIAN APPLETON WISCONSIN 54914 US ; QIN JIAN APPLETON WISCONSIN 54911 US ; STEVENS ROBERT ALAN APPLETON WISCONSIN 54911 US ; SCHLINZ DANIEL ROBERT APPLETON WISCONSIN 54915 US ; SANDRA MARIE YOARBROUGH ; SHIH SCHROEDER WEN HUEY APPLETON WISCONSIN 54915 US ; SHIH SCHROEDER WEN HUEY APPLETON WISCONSIN 54915 U ; ZUNKER MARYANN OSHKOSH WISCONSIN 54901 US ; SZYMONSKI KRZYSZTOF ANDRZEJ NEENAH WISCONSIN 54956 US ; SZYMONSKI KRZYSZTOF ANDRZEJ NEENAH WISCONSIN 54956 ; ZENKER DAVID LOUIS NEENAH WISCONSIN 54956 US ; YARBROUGH SANDRA MARIE APPLETON WISCONSIN 54914 US ; WENTZEL TOM KARL KIMBERLY WISCONSIN 54136 US ; WEN HUEY SHIN SCHROEDER ; SZYMONSKI KRZYSZTOF ANDRZEJ NEENAH WISCONSIN... ; TSAI CHUAN LING APPLETON WISCONSIN 54915 US ; SHIH SCHROEDER WEN HUEY APPLETON WISCONSIN... ; BYERLY SHANNON KATHLEEN APPLETON WISCONSIN... ; KELLENBERGER STANLEY ROY APPLETON WISCONSIN...

**Agent(s):** SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; BORDEN LADNER GERVAIS LLP; BRINKS HOFER GILSON AND LIONE

**Designated states:** BE DE ES FR GB IT NL SE

#### 6) Family number: 20436219 (US6156951A)

© PatBase

**Title:** ABSORBENT STRUCTURE IN AN ABSORBENT PRODUCT SUCH AS AN ABSORBENT PANTS, DIAPER, INCONTINENCE PROTECTOR, SANITARY NAPKIN, PANTY LINER, DRESSING OR THE LIKE

**Abstract:** PCT No. PCT/SE96/01250 Sec. 371 Date Apr. 6, 1998 Sec. 102(e) Date Apr. 6, 1998 PCT Filed Oct. 3, 1996 PCT Pub. No. WO97/12573 PCT Pub. Date Apr. 10, 1997An absorbent structure in an absorbent product such as a diaper, an incontinence protector, a sanitary napkin, a panty liner or dressing, where the absorbent structure is formed of a piece of foamed material, which as an integrated unit has a liquid permeable surface and a corresponding surface which is liquid-proof and an absorbent layer between them. The liquid-proof surface can preferably be the skin of closed cells, which during manufacturing is formed on the piece of foamed material.

#### Classifications:

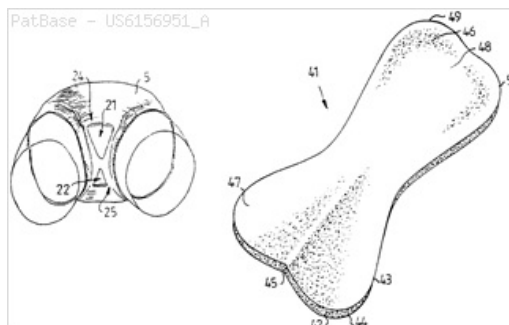
**International (ipc 8-9):** A41D13/02 A61F13/00 A61F13/15 A61F13/472 A61F13/53 A61F13/72 A61F5/44 A61L15/00 A61L15/26 A61L15/42 (Advanced/Invention); A41D13/02 A61F13/00 A61F5/44 (Advanced/Non-invention); A41D13/02 A61F13/00 A61F13/15 A61F13/56 A61F5/44 A61L15/00 A61L15/16 (Core/Invention)

**International (ipc 1-7):** A41D13/02 A61F13/00 A61F13/15 A61F13/20 A61F13/72 A61F5/44 A61L15/00 A61L15/42

**CPC:** A61F13/471 A61F13/472 A61F13/47272 A61F13/494 A61F13/496 A61F13/51401 A61F13/53 A61L15/26 A61L15/425

**European:** A61F13/15C3 A61F13/471 A61F13/472 A61F13/472E A61F13/494 A61F13/496 A61F13/512 A61F13/514A A61F13/53 A61L15/26 A61L15/42E

**US:** 604/358 604/369 604/370 604/374 604/377 604/378 604/385.01 604/385.14



#### Family:

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AU199672336 A1     | 19970428         | AU19960072336      | 19961003         |
| CO4770939 A1       | 19990430         | CO19960051135      | 19960925         |
| DE69610324 D1      | 20001019         | DE19966010324      | 19961003         |
| DE69610324 D1      | 20001019         | DE19966010324T     | 19961003         |
| DE69610324 T2      | 20010412         | DE19966010324T     | 19961003         |
| EP0855890 A1       | 19980805         | EP19960933710      | 19961003         |
| EP0855890 B1       | 20000913         | EP19960933710      | 19961003         |
| GB2305863 A1       | 19970423         | GB19960020401      | 19960930         |
| GB2305863 B2       | 19991117         | GB19960020401      | 19960930         |
| GB9620401 A0       | 19961113         | GB19960020401      | 19960930         |
| JP11515062 T2      | 19991221         | JP19970514204T     | 19961003         |
| PE19498 A1         | 19980417         | PE19960000686      | 19960925         |
| SE509841 C2        | 19990315         | SE19950003442      | 19951004         |
| SE9503442 A0       | 19951004         | SE19950003442      | 19951004         |
| SE9503442 L        | 19970405         | SE19950003442      | 19951004         |
| TNSN96126 A1       | 19980319         | TN1996SN00126      | 19961001         |
| TNSN96126 A1       | 19981231         | TN1996SN00126      | 19961001         |
| TW389095 Y         | 20000501         | TW19980214834U     | 19960923         |
| US6156951 A        | 20001205         | US19980051228      | 19980513         |

|              |          |               |          |
|--------------|----------|---------------|----------|
| WO9712573 A1 | 19970410 | WO1996SE01250 | 19961003 |
| ZA9607946 A  | 19970407 | ZA19960007946 | 19960919 |

**Priority:**

SE19950003442 19951004 WO1996SE01250 19961003

**Probable Assignee:** SCA HYGIENE PRODUCTS AKTIEBOLAG

**Assignee(s):** (std): BUSCHKA ANETTE ; GUSTAFSSON LARS ; KALENTUN PIA ; MOELNLYCKE AB ; SCA HYGENE PRODUCTS AKTIEBOLAG ; SCA HYGIENE PROD AB ; SCHMID ANDREA ; SCA MOELNLYCKE AB

**Assignee(s):** SCA M AND 247 LNLYCKE AB ; SCA HYGIENE PRODUCTS AKTIEBOLAGGOTEBORG ; SCA MOLNLYCKE ABS ; SCA MOLNLYCKE AB ; SCA M LNLYCKE AB ; SCA M 247 LNLYCKE AB ; SCA M ; SCA HYGIENE PRODUCTS AKTIEBOLAG ; LNLYCKE AB ; SCA HYGIENE PRODUCTS AB ; SCA HYGIENE PRODUCTS AB GOETEBORG

**Inventor(s):** (std): BUSCHKA ANETTE ; GUSTAFSON LARS ; GUSTAFSSON LARS ; KALENTUIN PIA ; KALENTUN PIA ; SCHMID ANDREA ; PIA KALENTUN ; LARS GUSTAFSSON ; ANETTE BUSCHKA ; ANDREA SCHMID ; GUSTAVSSON LARS

**Inventor(s):** PIA KALENTUIN ; LARS GUSTAVSSON ; LARS GUSTAFSON

**Agent(s):** ERNESTO CAVELIER

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

**7) Family number: 20464275 (US6117121A)**

© PatBase

**Title:** ABSORBENT ARTICLE USING EXTENSIBLE LEG CUFFS

**Abstract:** An absorbent article includes an absorbent core located between a bodyside liner and an outer cover. A leg cuff is mounted to a base structure of the absorbent article in the crotch portion thereof. The leg cuffs are partially stretched when attached to respective longitudinal side portions near the crotch portion of the absorbent article. An outboard edge of the leg cuffs is generally unattached to the base structure of the absorbent article and can be stretched beyond the length of that portion of the base structure along which the leg cuffs are mounted. The leg cuffs may be mounted at an angle of between 5 and 25 degrees with respect to the longitudinal axis. The leg cuffs extend outwardly toward the rear portion of the absorbent article and inwardly in the front portion when mounted at an angle.

**Classifications:**

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

A61F17/00 A61F5/44 (Advanced/Invention);

A61F13/15 A61F5/44 (Advanced/Non-invention)

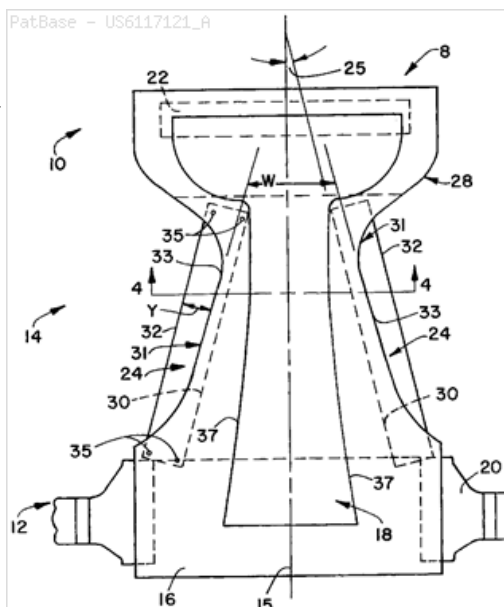
**International (IPC 1-7):** A61F13/15 A61F13/494 A61F17/00 A61F5/44

**CPC:** A61F13/49017 A61F13/4942 A61F2013/49028 A61F2013/4944

**European:** A61F13/494A1A A61F13/49D2E K61F13/494A1D

K61F13/49D2H2B

**US:** 604/385.1 604/385.2 604/385.29



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AR005246 AA        | 19990428         | AR1996P105600      | 19961210         |
| AU199676746 A1     | 19970703         | AU19960076746      | 19961108         |
| AU718071 B2        | 20000406         | AU19960076746      | 19961108         |
| BRPI9611939 A      | 19990302         | BR1996PI11939      | 19961108         |
| CA2237713 AA       | 19980528         | CA19962237713      | 19961108         |
| CN1208339 A        | 19990217         | CN19961099847      | 19961108         |
| CO4780008 A1       | 19990526         | CO19960062210      | 19961126         |
| CZ181598 A3        | 19990512         | CZ19980001815      | 19961108         |
| CZ9801815 A3       | 19990512         | CZ19980001815      | 19961108         |
| DE69624133 D1      | 20021107         | DE19966024133      | 19961108         |
| DE69624133 D1      | 20021107         | DE19966024133T     | 19961108         |
| DE69624133 T2      | 20030528         | DE19966024133T     | 19961108         |
| DE69636442 D1      | 20060921         | DE19966036442      | 19961108         |
| DE69636442 D1      | 20060921         | DE19966036442T     | 19961108         |
| DE69636442 T2      | 20070412         | DE19966036442T     | 19961108         |
| EP0869756 A1       | 19981014         | EP19960939613      | 19961108         |
| EP0869756 B1       | 20021002         | EP19960939613      | 19961108         |
| EP1273281 A2       | 20030108         | EP20020022205      | 19961108         |
| EP1273281 A3       | 20040428         | EP20020022205      | 19961108         |
| EP1273281 B1       | 20060809         | EP20020022205      | 19961108         |
| HU9903674 AB       | 20000328         | HU19990003674      | 19961108         |
| HU9903674 AC       | 20000428         | HU19990003674      | 19961108         |
| IL124633 A0        | 19981206         | IL19960124633      | 19961108         |

|                 |          |                |          |
|-----------------|----------|----------------|----------|
| JP2000501962 T2 | 20000222 | JP19970522031T | 19961108 |
| KR100446411 B1  | 20041116 | KR19980704340  | 19961108 |
| KR19990072046 A | 19990927 | KR19980704340  | 19961108 |
| MX9804610 A1    | 19981031 | MX19980004610  | 19980609 |
| NZ322768 A      | 19990929 | NZ19960322768  | 19961108 |
| TH24890 A       | 19970429 | TH19961003930  | 19961115 |
| US6117121 A     | 20000912 | US19950570052  | 19951211 |
| WO9721410 A1    | 19970619 | WO1996US17962  | 19961108 |
| ZA9609678 A     | 19970612 | ZA19960009678  | 19961119 |

**Priority:**

US19950570052 19951211 EP19960939613 19961108 WO1996US17962 19961108

**Probable Assignee:** KIMBERLY CLARK CORP

**Assignee(s):** (std): KIMBERLY CLARK CO ; KIMBERLY CLARK WORLDWIDE INC NEENAH WISCONSIN ; KIMBERLY CLARK WORLDWIDE INC

**Assignee(s):** KIMBERLY CLARK WORLDWIDE ; KIMBERLY CLARK CORP ; FAULKS MICHAEL JOHN ; SERBIAK PAUL JOHN ; SCHLINZ DANIEL ROBERT ; SCHLEINZ ALAN FRANCIS ; ODORZYNSKI THOMAS WALTER

**Inventor(s):** (std): FAULKS MICHAEL JOHN ; ODORZYNSKI THOMAS WALTER ; SCHLEINZ ALAN FRANCIS ; SCHLINZ DANIEL ROBERT ; SERBIAK PAUL JOHN ; THOMAS WALTER ODORZYNSKI ; T W ODORZYNSKI ; SERBIAK JOHN ; SCHLINZ ROBERT ; SCHLEINZ FRANCIS ; SCHLEINZ A F ; PAUL JOHN SERBIAK ; ODORZYNSKI WALTER ; ODORZYNSKI T W ; MICHAEL JOHN FAULKS ; M J FAULKS ; FAULKS M J ; FAULKS JOHN ; DANIEL ROBERT SCHLINZ ; ALAN FRANCIS SCHLEINZ ; A F SCHLEINZ

**Inventor(s):** JOHN SERBIAK PAUL

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

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

**8) Family number: 20467092 (US6315764B)**

© PatBase

**Title:** Absorbent article having a rear reservoir with void volume capacity

**Abstract:** An absorbent article includes a rear reservoir to receive and hold fecal and other body exudates. The rear reservoir preferably includes a spacer located at a rear portion preferably between a bodyside liner layer and an outer cover layer, assisting in formation of the rear reservoir. A rear waist flap, preferably comprised of the base structure of the absorbent article can be folded inwardly from the rear edge to form, in combination with the spacer and optionally other elements of the absorbent article, the rear reservoir. The rear waist flap can alternatively be formed by a separate element attached to the rear portion of the absorbent article. The separate element can comprise an elastic member, or a nonelastic member with rear waist elastics. The rear waist flap preferably is substantially stretched with respect to the rear portion to assist in shaping the rear reservoir. The spacer preferably comprises an internal filler, and has a rod-like shape.

**Classifications:**

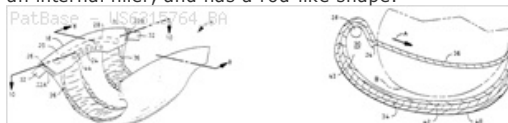
**International (IPC 8-9):** A61F13/15 (Advanced/Invention); A61F13/15 (Core/Invention)

**International (IPC 1-7):** A61F13/00 A61F13/15

**CPC:** A61F13/495 A61F2013/4956

**European:** A61F13/495 K61F13/495D

**US:** 604/385.01 604/385.24



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AR004977 AA        | 19990407         | AR1996P105357      | 19961127         |
| AU199714109 A1     | 19970714         | AU19970014109      | 19961206         |
| CA2236828 AA       | 19980611         | CA19962236828      | 19961206         |
| CL1996002285 A1    | 19970820         | CL19960002285      | 19961219         |
| CO4750628 A1       | 19990331         | CO19960064287      | 19961206         |
| HU9902047 AB       | 19991028         | HU19990002047      | 19961120         |
| HU9902047 AC       | 19991129         | HU19990002047      | 19961120         |
| TH27565 A          | 19971231         | TH19961004013      | 19961121         |
| US6315764 BA       | 20011113         | US19950575926      | 19951220         |
| WO9722319 A1       | 19970626         | WO1996US19475      | 19961206         |
| ZA9610419 A        | 19970623         | ZA19960010419      | 19961211         |

**Priority:**

US19950575926 19951220 WO1996US19475 19961206

**Probable Assignee:** KIMBERLY CLARK CORP

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

**Assignee(s):** KIMBERLY CLARK WORLDWIDE INC ; KIMBERLY CLARK WORLDWIDE INC NEENAH WISCONSIN ; SUPRISE JODY DOROTHY ; SERBIAK PAUL JOHN ; KIMBERLY CLARK CORP ; FAULKS MICHAEL JOHN ; Inc. ; Kimberly - Clark Worldwide

**Inventor(s):** (std): FAULKS MICHAEL JOHN ; SERBIAK PAUL JOHN ; SUPRISE JODY DOROTHY ; ZEHNER GEORGIA LYNN ; UITENBROEK DUANE GIRARD ; PAUL JOHN SERBIAK ; MICHAEL JOHN FAULKS ; JODY DOROTHY SUPRISE

**Inventor(s):** Surprise ; DOROTHY SUPRISE JODY ; Faulks ; Jody Dorothy ; JOHN SERBIAK PAUL ; Michael John ; Paul John ; Serbiak

**Agent(s):** BORDEN LADNER GERVAIS LLP; SARGENT; RAMIRO CASTRO DUQUE

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

**Title:** INCONTINENCE ARTICLE FOR MALES

**Abstract:** Absorbent articles of the present invention are specifically adapted for the adult male anatomy. The articles include a moisture barrier having a length measured between front and back ends of less than about 46 centimeters. A liner is bonded to the moisture barrier sandwiching an absorbent assembly therebetween. The moisture barrier is gathered along each of its side edges between forward and rearward terminal points. The forward terminal points are spaced from the front end of the moisture barrier by at least about 7 centimeters, and the rearward terminal points spaced from the back end of the moisture barrier by less than about 5 centimeters. Elasticized containment flaps disposed on the liner extend longitudinally toward the front end to a position at least about 16 centimeters from the back end of the moisture barrier. The moisture barrier is also gathered along its back end. In particular embodiments, a retaining member is bonded to the liner and defines therebetween a compartment having a volume of at least about 25 cubic centimeters, and a cover formed of a liquid impermeable material is bonded to the liner.

**Classifications:**

**International (IPC 8-9):** A61B5/20 A61F13/15 A61F5/44

A61F5/453 (Advanced/Invention);

A61F5/44 (Advanced/Non-invention)

**International (IPC 1-7):** A61F13/15 A61F13/20 A61F13/56 A61F5/44

A61F5/453 B32B31/08 B32B31/10

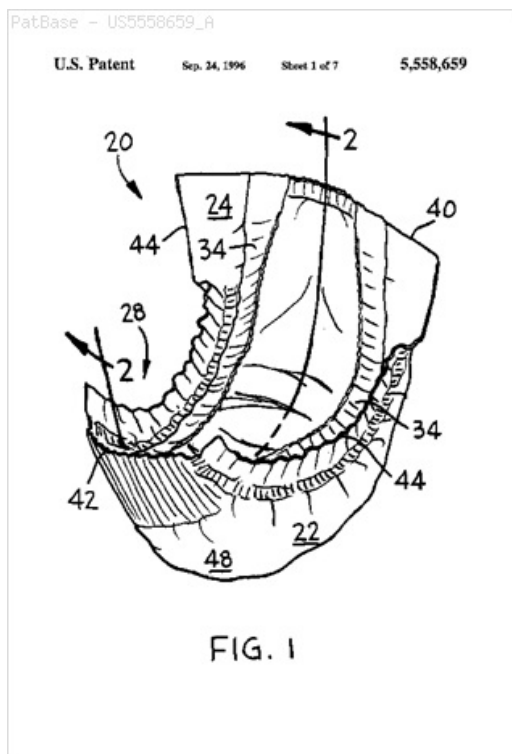
**CPC:** A61F13/15601 A61F13/471 Y10T156/1084 Y10T156/1092

Y10T156/1093 Y10T156/1095 Y10T156/1097

**European:** A61F13/15M2B2 A61F13/471

**US:** 156/163 156/164 156/269 156/299 156/300 156/301 156/302

604/385.1 604/385.2 604/385.26 604/387

**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AU199515508 A1     | 19950627         | AU19950015508      | 19941206         |
| AU678685 B2        | 19970605         | AU19950015508      | 19941206         |
| CA2115285 AA       | 19950610         | CA19942115285      | 19940209         |
| CA2115285 C        | 20030729         | CA19942115285      | 19940209         |
| CL1994001859 A1    | 19960223         | CL19940001859      | 19941209         |
| CL42587 B          | 20050914         | CL19940001859      | 19941209         |
| CN1142755 A        | 19970212         | CN19941094913      | 19941206         |
| CO4230004 A1       | 19951019         | CO19940006656      | 19940221         |
| EP0732906 A1       | 19960925         | EP19950907202      | 19941206         |
| EP1068847 A1       | 20010117         | EP20000120474      | 19941206         |
| FR2713477 A1       | 19950616         | FR19940014438      | 19941201         |
| FR2713477 B1       | 19960503         | FR19940014438      | 19941201         |
| GB2284553 A1       | 19950614         | GB19940024948      | 19941209         |
| GB2284553 B2       | 19971203         | GB19940024948      | 19941209         |
| GB9424948 A0       | 19950208         | GB19940024948      | 19941209         |
| JP9506280 T2       | 19970624         | JP19950516302T     | 19941206         |
| KR100307887 B1     | 20021004         | KR19960703026      | 19941206         |
| KR19960706318 A    | 19961209         | KR19960703026      | 19960608         |
| KR19967006318 A    | 19961209         | KR19967003026      | 19941206         |
| PE7695 A1          | 19950413         | PE19940237048      | 19940218         |
| PH30879 A          | 19971223         | PH19940049416      | 19941221         |
| SV1994000006 A     | 19950419         | SV19940000006      | 19940218         |
| TW395235 Y         | 20000621         | TW19960200769U     | 19940221         |
| US5558659 A        | 19960924         | US19930164340      | 19931209         |
| US5558734 A        | 19960924         | US19950440048      | 19950512         |
| WO9515737 A1       | 19950615         | WO1994US14049      | 19941206         |
| ZA9409026 A        | 19950718         | ZA19940009026      | 19941114         |

**Priority:**

US19930164340 19931209 CA19942115285 19940209 EP19950907202 19941206  
 WO1994US14049 19941206 US19950440048 19950512

**Probable Assignee:** KIMBERLY CLARK CORP

**Assignee(s):** (std): KIMBERLY VLARK CORP ; KIMBERLY CLARK CO ; KIMBERLY CLARK CORP

**Assignee(s):** KIMBERLY CLARK WORLDWIDE INC ; SHERROD EARLE HARRY ; ROOYAKKERS JOHN ANTHONY ; LEMAHIEU LYNN KIRKPATRICK

**Inventor(s):** (std): ROOYAKERS JOHN A ; SHERROD EARLE HARRY ; SHERROD E H ; ROOYAKKERS JOHN ANTHONY ; ROOYAKKERS J A ; LEMAHIEU LYNN KIRKPATRICK ; LEMAHIEU LYNN KIRKPATRICK ; LEMAHIEU L K ; EARLE HARRY SHERROD ; SHERROD EARLE H ; ROOYAKKERS JOHN A ; LYNN KIRKPATRICK LEMAHIEU ;

LEMAHIEU LYNN K ; L K LEMAHIEU ; KIRKPATRICK LEMAHIEU LYNN ; JOHN ANTHONY ROOYAKKERS ; J A ROOYAKKERS ; HARRY SHERROD EARLE ; E H SHERROD ; ANTHONY ROOYAKKERS JOHN

**Agent(s):**

SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; BORDEN LADNER GERVAIS LLP; PORZIO; RAMIRO CASTRO DUQUE; CABINET SAUVAGE

**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 SZ TD TG TJ TT UA UZ VN

**10) Family number: 21886569** (US2890700A)

© PatBase

**Title:** DISPOSABLE DIAPER

**Abstract:** (Claim 1) 1. A contoured disposable diaper comprising inner and outer sheets of material absorptive of moisture but having substantial wet strength the side edges being recessed inwardly to provide leg openings, and a plurality of layers of highly moisture absorbent material readily disintegrable in water sandwiched between said sheets of lesser extent 'Lhan the outer sheets to pro7,iide jan encirclin- marginal area of direct contact between said sheets, said sheets being sealed together by a close pattern embossing throughout said marginal area, and the various layers of material within said margin being joined together by spot embossing.

**Classifications:**

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

**International (IPC 1-7):** A41B13/04

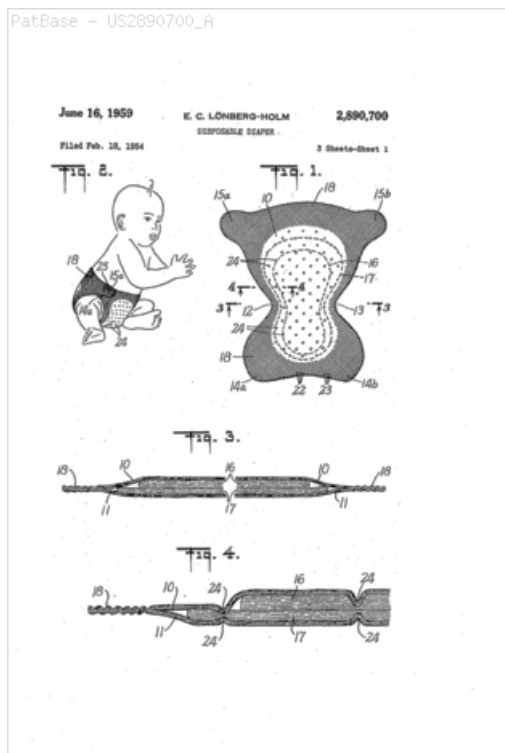
**CPC:** A61F13/5638 A61F13/5644 A61F13/493 A61F13/15211

A61F13/515 A61F13/535 A61F13/539

**European:** A61F13/15J2 A61F13/493 A61F13/515 A61F13/535

A61F13/539 A61F13/56C

**US:** 604/364 604/370 604/378 604/380 604/390



**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US2890700 A        | 19590616         | US19540411179      | 19540218         |

**Priority:**

US19540411179 19540218

**Probable Assignee:**

LONBERG HOLM ETHEL C

**Assignee(s):** (std):

LONBERG HOLM ETHEL C

**Inventor(s):** (std):

LONBERG HOLM ETHEL C

**11) Family number: 2273099** (US4762521A)

© PatBase

**Title:** ABSORBENT GARMENT WITH QUILTED AND CONFORMABLE ABSORBENT PAD

**Abstract:** The present invention provides a distinctive absorbent garment which comprises a backsheet having waistband portions at each longitudinal end thereof, and intermediate portion interconnecting the waistband portions, and marginal portions along each lateral side edge of the backsheet. A liquid permeable liner sheet is located in facing relation with the backsheet, and an absorbent body is located between the backsheet and liner sheet. The absorbent body delimits waistband sections at each longitudinal end thereof, delimits an intermediate section interconnecting the waistband sections, and delimits a marginal contour at each lateral side edge of the absorbent body. Each marginal side contour has at least one collapsible notch section formed therein. A fastening mechanism is connected to the garment for securing the garment on a wearer.

**Classifications:**

**International (IPC 8-9):** A61F13/15 A61F13/49 A61F13/53 A61F5/44 A61L15/60 (Advanced/Invention);

A61F5/44 (Advanced/Non-invention);

A61F13/15 A61F5/44 A61L15/16 (Core/Invention)

**International (IPC 1-7):** A41B13/02 A61F13/15 A61F13/16

A61F13/18 A61F13/46 A61F5/44 A61F5/451 B32B3/02

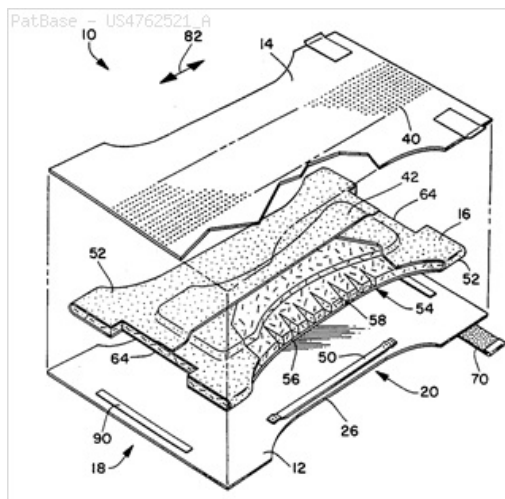
**CPC:** A61F13/49009 A61F13/51121 A61F13/5126 A61F13/515

A61F13/535 A61F13/539 A61F2013/49076 A61F2013/51042

A61F2013/51078 A61F2013/51409 A61F2013/530131

A61F2013/530481 A61F2013/53445 A61F2013/5395 A61L15/60

**European:** A61F13/515 A61F13/535 A61F13/539 A61L15/60  
K61F13/15C3D1 K61F13/15C5M2 K61F13/15C8 K61F13/15D4B  
K61F13/15E10C K61F13/15E2A K61F13/15E4 K61F13/15E7  
K61F13/15F2 K61F13/49D2 K61F13/49H5 K61F13/511F K61F13/513G  
K61F13/514A4 K61F13/51M7B K61F13/51P K61F13/534C  
K61F13/539C K61F13/53M K61F13/53Q  
**US:** 604/366 604/380 604/383 604/385.26 604/389 604/38SA  
604/38SR



#### Family:

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AU198771177 A1     | 19871015         | AU19870071177      | 19870408         |
| AU198940011 A1     | 19891207         | AU19890040011      | 19890817         |
| AU590406 B2        | 19891102         | AU19870071177      | 19870408         |
| BRPI8701705 A      | 19880112         | BR1987PI01705      | 19870413         |
| CA1289699 A1       | 19911001         | CA19870533604      | 19870401         |
| EP0241041 A2       | 19871014         | EP19870105322      | 19870410         |
| EP0241041 A3       | 19880921         | EP19870105322      | 19870410         |
| JP2548718 B2       | 19961030         | JP19870088588      | 19870410         |
| JP63011151 A2      | 19880118         | JP19870088588      | 19870410         |
| KR19870009704 A    | 19871130         | KR19870003418      | 19870410         |
| MX172292 B         | 19931213         | MX19870005999      | 19870410         |
| US4762521 A        | 19880809         | US19860851027      | 19860411         |

#### Priority:

US19860851027 19860411 CA19870533604 19870401 AU19870071177 19870408

**Probable Assignee:** KIMBERLY CLARK CORP

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

**Assignee(s):** KIMBERLY CLARK CORP ; KIMBERLY CLARK WORLDWIDE INC ; LIPPERT MARY E ; ROESSLER THOMAS H ; ENDRES DAN D ; ENLOE KENNETH M ; HUNTOON ANDREW E ; KIMBERLY CLARK A CORP OF DE CORP

**Inventor(s):** (std): ENDRES DAN D ; ENLDE KENNETH M ; ENLOE KENNETH M ; HUNTOON ANDREW E ; TOOMASU EICHI ROOZURAA ; ROESSLER THOMAS HAROLD ; MEARI II RIPAATO ; LIPPERT MARY ERIN ; KENISU EMU ENROO ; HUNTOON ANDREW ESEL ; ENLOE KENNETH MAYNARD ; ENDRES DAN DAROLD ; DAN DEI ENDOOZU ; LIPPERT MARY E ; ROESSLER THOMAS H ; ANDORIYUU II HANTOON

**Inventor(s):** THOMAS H ROESSLER ; THOMAS HAROLD ROESSLER ; MARY E LIPPERT ; MARY ERIN LIPPERT ; ANDORIYUU II HANTOON ; KENNETH M ENLDE ; KENNETH M ENLOE ; KENNETH MAYNARD ENLOE ; ANDREW E HUNTOON ; ANDREW ESEL HUNTOON ; DAN D ENDRES ; DAN DAROLD ENDRES

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

**Designated states:** DE FR GB IT SE

**12) Family number: 24234511** (USD423098S)

© PatBase

**Title:** Diaper with wetness indicator

**Abstract:** (Claims)The ornamental design for a diaper with wetness indicator, as shown.

**Classifications:**

**US:** D24/124 D24/126

**Locarno class:** 24/04

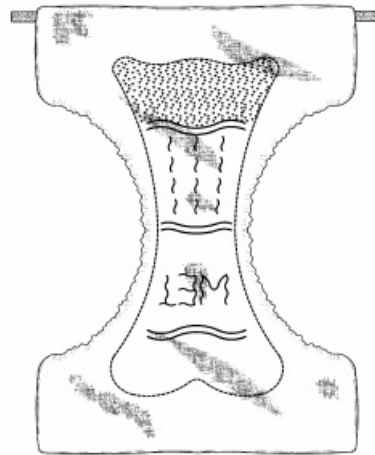


FIG. 1

**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| USD423098 S1       | 20000418         | US19990099151F     | 19990114         |

**Priority:**

US19990099151F 19990114

**Inventor(s):** THOMAS F JR ; STANCYK JR THOMAS F