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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)

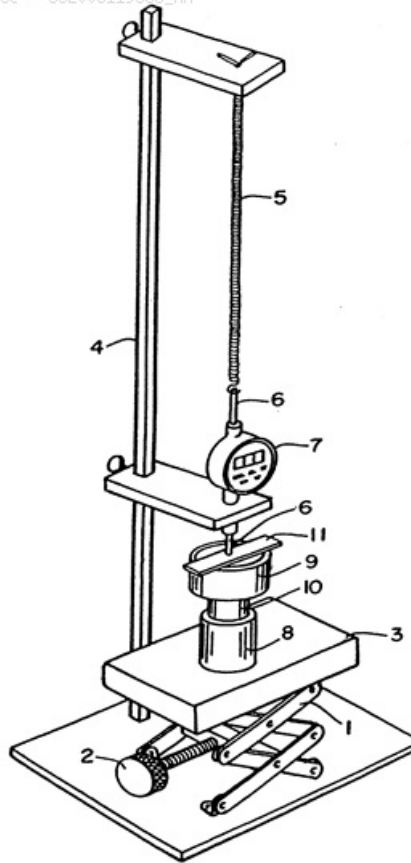
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CPC: A61F13/53 A61L15/24 Y10S428/913 Y10T428/24603 A61F2013/530744 A61F13/51121 A61F13/513 A61F13/512 A61F13/49009 A61F13/15203 A61F13/49 A61F13/49011 A61F13/491 A61F13/49413 A61F13/5116 A61F13/531 A61F13/537 A61F2013/15284 A61F2013/15365 A61F2013/49076 A61F2013/49077 A61F2013/4948 A61F2013/51014 A61F2013/51019 A61F2013/51033 A61F2013/51052 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 A61F2013/8488 A61F2013/8491 A61L15/60

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

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Designated states: BE DE ES FR GB IT NL SE

Title: METHOD FOR MAKING A FIBROUS LAMINATED WEB

Abstract: This invention relates to a method of making a fibrous laminated material wherein a first fibrous **layer** comprising a plurality of staple **fibers** or continuous filaments of a thermoplastic material and a second fibrous **layer** comprising a plurality of staple **fibers** or continuous filaments of two or more thermoplastic or other materials are bonded together in a spaced apart bonding pattern having apertures formed therein to form a fibrous laminate having improved liquid distribution and management properties as well as enhanced comfort and softness when placed in contact with human **skin**.

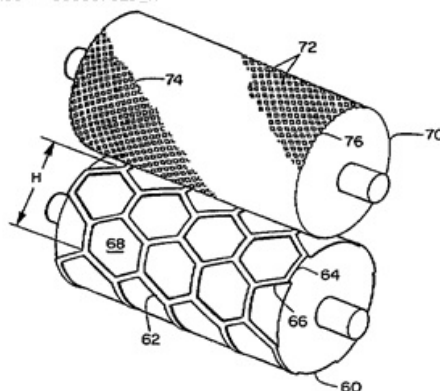
Classifications:

International (IPC 8-9): A61F13/15 A61F13/49 A61F13/511 A61F13/53 B29C65/00 B29C65/18 B32B38/04 B32B5/02 B32B5/08 B32B5/26 D04H1/54 D04H13/00 D04H3/14 D04H3/16 D04H5/06 D06M17/00 (Advanced/Invention); B32B5/02 D04H1/54 D04H3/14 D04H3/16 D06M17/00 (Advanced/Non-invention); A61F13/15 B29C65/00 B29C65/18 B32B5/22 D04H13/00 (Core/Invention)

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MX9300424 A1	19940531	MX19930000424	19930127
MX9306964 A1	19950131	MX19930006964	19931108
TH16997 A	19951129	TH19931000196	19930210
US5667619 A	19970916	US19960620865	19960322
US5667625 A	19970916	US19960626575	19960402
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ZA9307184 A	19940625	ZA19930007184	19930928

Priority:

US19920973146 19921106	CA19932088391 19930129	WO1993US10749 19931108
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Probable Assignee: KIMBERLY CLARK CORP

Assignee(s): (std): ALIKHAN MIR INAYETH ; KIMBERLY CLARK CO ; KIMBERLY CLARK CORP ; PROXMIRE DEBORAH LYNN ; RICHTER EDWARD BRUCE

Assignee(s): KIMBERLY CLARK WORLDWIDE INC ; KIMBERLEY CLARK CORP

Inventor(s): (std): ALIKHAN INAYETH ; ALIKHAN MIR I ; ALIKHAN MIR INAYETH ; MIA INAIIEETO ARIKAN ; PROXMIRE DEBORAH LYNN ; PROXMIRE LYNN ; RICHTER BRUCE ; RICHTER EDWARD BRUCE ; PROXIMIRE DEBORAH LYNN ; MIR INAYETH ALIKHAN

Inventor(s): EDWARD BRUCE RICHTER ; DEBORAH LYNN PROXMIRE ; DEBORAH LYNN PROXIMIRE

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; BORDEN LADNER GERVAIS LLP; GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAEUSSER ANWALTSSOZIETAET

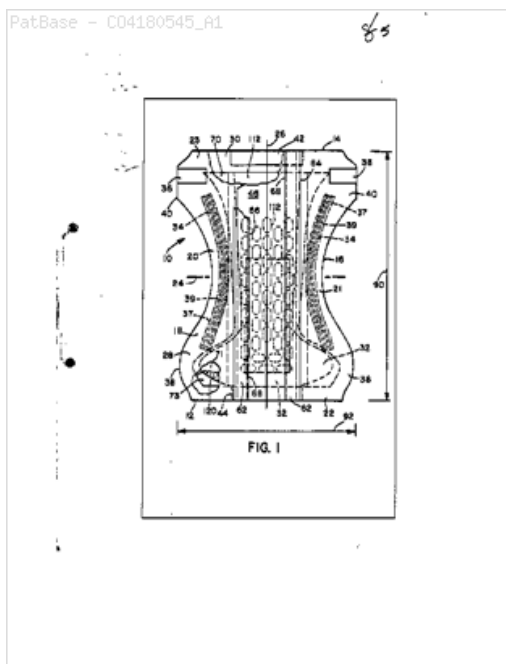
Designated states: AT AU BE BR CA CH DE DK ES FR GB GR IE IT JP KP LU MC NL PT SE US

Title: ARTICULO **ABSORBENTE** QUE INCLUYE MATERIAL SUPERABSORBENTE LO- CALIZADO EN BOLSAS INDIVIDUALES ALARGADAS COLOCADAS DE ACUERDO CON PATRONES SELECCIONADOS It IS INCLUDING **absorbent article** LO CALIZADO superabsorbent material into individual elongated bags PLACED UNDER SELECTED PATTERNS (Machine translation)

Abstract: Source: CO4180545A [ES] UN ARTICULO **ABSORBENTE** QUE COMPRENDE UNA PRIMERA CAPA PORTADORA **PERMEABLE** AL LIQUIDO Y POR LO MENOS UNA SEGUNDA CAPA PORTADORA. UN MECANISMO SUJETA- DOR Y PORTADOR QUE ASEGURA JUNTAS LAS CAPAS PORTA- DORAS Y UNA MULTIPLICIDAD DE ZONAS VIRTUALMENTE NO SUJETADAS. LAS ZONAS VIRTUALMENTE NO SUJETADAS PROPORCIONAN UNA PLURALIDAD DE REBIONES DE BOLSA, Y EL MATERIAL DE ALTA **ABSORBENCIA** ESTA LOCALIZADO DENTRO DE LAS REGIONES DE BOLSA PARA PROPORCIONAR UN LAMINADO **ABSORBENTE** QUE TIENE UNA EXTENSION DE LAMINADO Y UN ANCHO DE LAMINADO. **Machine translation:** A **absorbent article** comprising a first liquid **permeable** carrier **layer** and at least a second **layer** CARRIER. A MECHANISM AND carrier fastener secures the **layers** together DORAS GLOVE AND MULTIPLE ZONES VIRTUALLY NO ATTACHED. VIRTUALLY NO ATTACHED ZONES PROVIDE MULTIPLE REBIONES BAG, AND high **absorbency** material is located within REGIONS TO PROVIDE BOLSA **ABSORBING** LAMINATE HAVING AN EXTENSION OF ROLLING AND ROLLED WIDE.

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

A61F13/15 (Core/Invention)

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

Publication number	Publication date	Application number	Application date
CO4180545 A1	19950607	CO19940049146	19941027

Priority:

CO19940049146 19941027

Probable Assignee: KIMBERLY CLARK CORP**Assignee(s):** (std): KIMBERLY CLARK CO**Assignee(s):** KIMBERLY CLARK CORP**Inventor(s):** (std): ABUTO FRANK PAUL ; LOUIS ROBINSON MARK ; NORTMAN BRIAN KEITH ; POMPLUN WILLIAM SEAL ; RIPPL CARL GERARD ; KELLENBERGER STANLEY ROY ; LAUX DANIEL RICHARD ; SALLEE LORRY FRANCIS ; SCHROEDER WEN ZYO ; TANZER RICHARD WARREN ; YARBROUGH SANDRA MARIE ; ZENKER DAVID LOUIS**Inventor(s):** WARREN TANZER RICHARD ; WEN ZYO SCHROEDER ; WILLIAM SEAL POMPLUN ; SANDRA MARIE YARBROUGH ; LORRY FRANCIS SALLEE ; ROBINSON MARK LOUIS ; ROY KELLENBERGER STANLEY ; BRIAN KEITH NORTMAN ; DANIEL RICHARD LAUX ; DAVID LOUIS ZENKER ; FRANK PAUL ABUTO ; GERARD RIPPL CARL**Agent(s):** RAMIRO CASTRO DUQUE

Title: ARTICULO **ABSORBENTE** QUE INCLUYE MATERIAL SUPERABSORBENTE Y FIBRAS **HIDROFILICAS** LOCALIZADAS EN BOLSAS DISCRETAS It IS INCLUDING **absorbent article** superabsorbent material and hydrophilic **fibers** LOCATED IN discrete pockets (Machine translation)

Abstract: Source: CO4180546A [ES] SUMINISTRAR UN ARTICULO **ABSORBENTE** QUE COMPRENDE UNA PRIMERA CAPA PORTADORA IMPERMEABLE AL LIQUIDO Y POR LO MENOS UNA SEGUNDA CAPA PORTADORA. UN ME- CANISMO DE SUJECION SENSIBLE AL AGUA, ASEGURA JUN- TAS LAS CAPAS PORTADORAS PARA PROPORCIONAR ZONAS VIRTUALMENTE SUJETADAS Y UNA MULTIPLICIDAD DE ZO- NAS VIRTUALMENTE SUJETADAS Y UNA MULTIPLICIDAD DE ZONAS VIRTUALMENTE NO SUJETADAS TIENEN UNA PLURA- LIDAD DE REGIONES DE BOLSA, Y UN MATERIAL DE ALTA **ABSORBENCIA** ESTA LOCALIZADA DENTRO DE LAS REGIONES DE BOLSA PARA PROPORCIONAR UN LAMINADO **ABSORBENTE**. **Machine translation:** Provide an **absorbent article** comprising a first liquid impermeable carrier **layer** and at least a second **layer** CARRIER. A clamping mechanism sensitive to water, said joints **LAYERS** CARRIER TO PROVIDE VIRTUALLY AREAS ATTACHED and a multiplicity of zones VIRTUALLY ATTACHED MULTIPLE ZONES AND VIRTUALLY NO ATTACHED HAVE A plurality of pocket regions, and A high **absorbency** material is located within REGIONS bag to provide a laminate **absorber**.

Classifications:

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

A61F13/15 (Core/Invention)

International (IPC 1-7): A61F13/15

Family:

Publication number	Publication date	Application number	Application date
CO4180546 A1	19950607	CO19940049420	19941028

Priority:

CO19940049420 19941028

Probable Assignee: KIMBERLY CLARK CORP

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

Assignee(s): KIMBERLY CLARK WORLDWIDE

Inventor(s): (std): ABUTO FRANK PAUL ; LAUX DANIEL RICHARD ; LORRY FRANCIS SALLEE ; MARIE YARBROUGH SANDRA ; RIPPL CARL GERARD ; ROBINSON MARK LOUIS ; STANLEY ROY KELLENBERGER ; TANZER RICHARD WARREN ; WEN ZYO SCHROEDER ; NORTMAN BRIAN KEITH ; POMPLUN WILLIAM SEAL ; ZENKER DAVID LOUIS

Inventor(s): RICHARD WARREN TANZER ; WILLIAM SEAL POMPLUN ; SALLEE LORRY FRANCIS ; SANDRA MARIE YARBROUGH ; SCHROEDER WEN ZYO ; MARK LOUIS ROBINSON ; BRIAN KEITH NORTMAN ; CARL GERARD RIPPL ; DANIEL RICHARD LAUX ; DAVID LOUIS ZENKER ; FRANK PAUL ABUTO ; KELLENBERGER STANLEY ROY

Agent(s): RAMIRO CASTRO DUQUE

Title: ARTICULO **ABSORBENTE** CON MATERIAL SUPERABSORBENTE EN BOLSAS NO SEPARADAS CON MEJORADA ESTRUCTURA DE CONTENCIÓN **Absorbent article** superabsorbent material in bags NO SEPARATE WITH IMPROVED containment structure (Machine translation)

Abstract: Source: CO4180543A [ES] UN ARTICULO **ABSORBENTE** QUE COMPRENDE UNA PRIMERA CAPA PORTADORA **PERMEABLE** AL LIQUIDO Y POR LO MENOS UNA SEGUNDA CAPA PORTADORA. UN MECANISMO DE SUJE- CION SENSIBLE AL AGUA QUE ASEGURA JUNTA LAS CAPAS PORTADORAS PARA PROPORCIONARA ZONAS VIRTUALMENTE SUJETADAS Y ZONAS VIRTUALMENTE NO SUJETADAS DE LAS MISMAS. LAS ZONAS VIRTUALMENTE NO SUJETADAS PRO- PORCIONAN UNA PLURALIDAD DE REGIONES DE BOLSA, Y UN MATERIAL DE ALTA **ABSORBENCIA** ESTA LOCALIZADA DENTRO DE LAS REGIONES DE BOLSA PARA PROPORCIONAR UN LAMINADO **ABSORBENTE**. **Machine translation:** A **absorbent article** comprising a first liquid **permeable** carrier **layer** and at least a second **layer** CARRIER. A MECHANISM clamping SECURES WATER SENSITIVE **LAYERS** BOARD CARRIER ATTACHED TO PROVIDE VIRTUALLY AREAS AND AREAS VIRTUALLY NO ATTACHED THEREOF. VIRTUALLY NO ATTACHED ZONES pro- vide a plurality of regions BAG AND A high **absorbency** material is located within REGIONS bag to provide a laminate **absorber**.

Classifications:

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

A61F13/15 (Core/Invention)

International (IPC 1-7): A61F13/15

Family:

Publication number	Publication date	Application number	Application date
CO4180543 A1	19950607	CO19940048553	19941025

Priority:

CO19940048553 19941025

Probable Assignee: KIMBERLY CLARK CORP

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

Assignee(s): KIMBERLY CLARK WORLDWIDE INC

Inventor(s): (std): ABUTO FRANK PAUL ; LAUX DANIEL RICHARD ; LORRY FRANCIS SALLEE ; MARIE YARBROUGH SANDRA ; RIPPL CARL GERARD ; ROBINSON MARK LOUIS ; NORTMAN BRIAN KEITH ; POMPLUN WILLIAM SEAL ; STANLEY ROY KELLENBERGER ; TANZER RICHARD WARREN ; ZENKER DAVID LOUIS

Inventor(s): WILLIAM SEAL POMPLUN ; RICHARD WARREN TANZER ; SALLEE LORRY FRANCIS ; SANDRA MARIE YARBROUGH ; MARK LOUIS ROBINSON ; BRIAN KEITH NORTMAN ; CARL GERARD RIPPL ; DANIEL RICHARD LAUX ; DAVID LOUIS ZENKER ; FRANK PAUL ABUTO ; KELLENBERGER STANLEY ROY

Agent(s): RAMIRO CASTRO DUQUE

Title: APPARATUS AND METHOD FOR ROTARY BONDING

Abstract: An apparatus and method for bonding at least two continuously moving substrate webs together is disclosed. The apparatus comprises a rotatable bonding roll which is located adjacent the substrate webs and configured to rotate about a bonding axis. A rotatable anvil roll has an anvil surface and is configured to rotate about an anvil axis to press the substrate webs against an outer peripheral bonding surface of the bonding roll thereby bonding the substrate webs together. The anvil roll is pivotally connected to a pivotal support mechanism which is configured to maintain the anvil surface in a substantially parallel relationship with the bonding surface. The pivotal support mechanism is configured to allow the anvil roll to pivot such that the anvil roll maintains a substantially constant force on the bonding surface of the bonding roll across the width of the anvil roll.

Classifications:

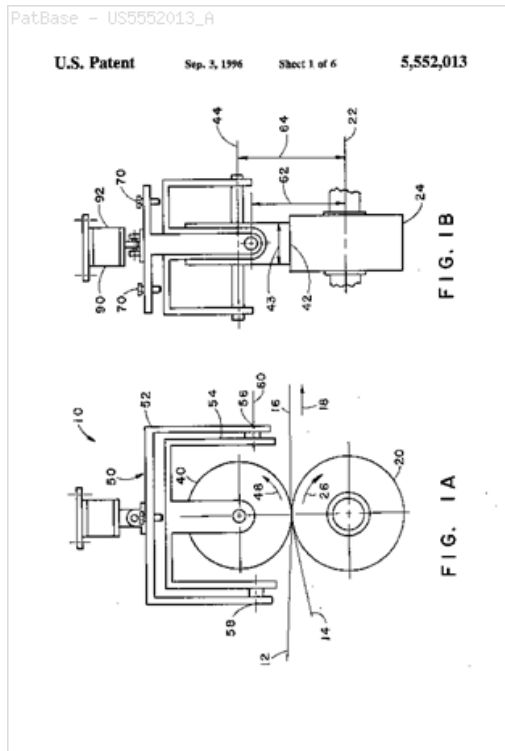
International (IPC 8-9): A61F13/15 B29C65/00 B29C65/08 B30B3/00 B32B37/02 B32B37/06 B65H19/18 D06H5/00 E06B7/26 (Advanced/Invention); B29C65/08 B65H19/18 (Advanced/Non-invention); A61F13/15 B29C65/00 B29C65/08 B30B3/00 B65H19/18 E06B7/00 (Core/Invention); B32B31/04 D06H5/00 (Core/Non-invention)

International (IPC 1-7): A61F13/15 A61F13/76 B06B3/00 B29C65/00 B29C65/02 B29C65/08 B30B3/00 B32B31/04 B32B31/08 B32B31/14 B32B31/16 B65H19/18 B65H37/04 B65H39/16 D04H13/00 D06H5/00

CPC: B29C66/8163 B29C66/83413 B29L2031/4878 A61F13/15739 B29C65/087 B29C66/8242 B29C66/81433 B29C66/9513 B29C66/951 Y10T156/1741 B29C66/43 B29C66/4722 B29C66/21 B29C66/7294 B29C66/729 B29C66/727 B29C66/433 B29C66/73921 B29C66/1122 B29C66/71 B29C66/8221

European: A61F13/15M6D B29C65/08 B29C66/8163 B29C66/83413 L29C65/08D6 L29L31/48E2

US: 100/160 100/168 100/176 100/328 100/334 100/93RP 156/290 156/324 156/555 156/580.1 156/580.2 156/582 156/73.1 264/445

**Family:**

Publication number	Publication date	Application number	Application date
AU199523234 A1	19960111	AU19950023234	19950623
AU689886 B2	19980409	AU19950023234	19950623
BRPI9502965 A	19960227	BR1995PI02965	19950628
CA2135338 AA	19951230	CA19942135338	19941108
CA2135338 C	20030805	CA19942135338	19941108
CL1995000951 A1	19960508	CL19950000951	19950628
CO4440576 A1	19970507	CO19950027829	19950623
DE29522339 U1	20020314	DE19952022339U	19950628
DE69523098 D1	20011115	DE19956023098	19950628
DE69523098 T2	20020606	DE19956023098T	19950628
EP0689930 A2	19960103	EP19950110103	19950628
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EP0689930 B1	20011010	EP19950110103	19950628
ES2161805 T3	20011216	ES19950110103T	19950628
FR2721854 A1	19960105	FR19950007636	19950626
FR2721854 B1	19970926	FR19950007636	19950626
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GB2325431 B2	19981230	GB19980012452	19950629
GB9513312 A0	19950906	GB19950013312	19950629
GB9812452 A0	19980805	GB19980012452	19950629
JP3505270 B2	20040308	JP19950163267	19950629
JP8040612 A2	19960213	JP19950163267	19950629
KR100357674 B1	20030129	KR19950017757	19950628
KR19960000181 A	19960125	KR19950017757	19950628
PE39396 A1	19961014	PE19950272110	19950623
SV1995000032 A	19960724	SV19950000032	19950629
TH12368 B	20020403	TH19951001475	19950622
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US5552013 A	19960903	US19940268758	19940629
US5562790 A	19961008	US19950443996	19950518
ZA9505281 A	19960131	ZA19950005281	19950626

Priority:

US19940268758 19940629 CA19942135338 19941108 US19950443996 19950518
EP19950110103 19950628 GB19950013312 19950629

Probable Assignee: KIMBERLY CLARK CORP

Assignee(s): (std): KIMBELRY CLARK WORLDWIDE INC ; KIMBERLY CLARK CO

Assignee(s): KIMBERLY CLARK CORP ; KIMBERLY CLARK WORLDWIDE INC ; STEGELMANN NORMAN RUDOLF ; KIMBERLY CLARK CORPUS ; EHLERT THOMAS DAVID

Inventor(s): (std): TOOMASU DEIBUITSUDO EIRAATO ; STEGELMANN NORMAN RUDOLF ; NOOMAN RUDORUFU SUTEIIGERUMAN ; EHLERT THOMAS DAVID ; THOMAS DAVID EHLERT ; STEGELMANN NORMAN R ; NORMAN RUDOLF STEGELMANN ; EHLERT THOMAS D

Inventor(s): Ehlert ; Norman Rudolf ; Stegelmann ; Thomas David

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

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

Title: **ABSORBENT ARTICLE** WITH IMPROVED ELASTIC MARGINS AND CONTAINMENT SYSTEM

Abstract: An **absorbent article** has a longitudinal length dimension, a lateral cross dimension, a front waistband portion, a **back** waistband portion and an intermediate portion which interconnects the front and **back** waistband portions. The **article** includes a backsheet **layer** having a pair of laterally opposed **side** margins, with each **side** margin having an outwardly concave, terminal **side** edge contour located at appointed leg opening regions in an intermediate portion of each of the **side** margins. Each concave **side** edge contour has a selected longitudinal extent along the length dimension of the **article**. A liquid **permeable** topsheet **layer** is connected in superposed relation to the backsheet **layer**, and an **absorbent** body is sandwiched between the topsheet **layer** and the backsheet **layer**. A separate, elasticized and gathered leg gusset is connected to the **article** along each of the appointed leg opening regions, and each leg gusset is configured to extend beyond and to bridge between opposed, spaced-apart portions of an associated one of the concave **side** edge contours of the backsheet **layer**.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/472 A61F13/475

A61F13/49 A61F13/53 A61F13/56 (Advanced/Invention);

A61F13/15 (Advanced/Non-invention);

A61F13/15 (Core/Invention);

A41B A61F (Subclass/Invention)

International (IPC 1-7): A41B A61F13/00 A61F13/15 A61F13/16

A61F13/45 A61F13/475 A61F13/49 A61F13/494 A61F13/539

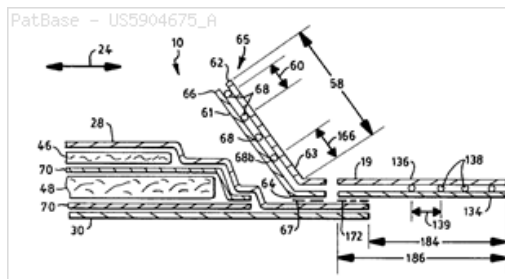
A61F13/56

CPC: A61F13/49011 A61F13/49017 A61F13/4942 A61F13/49466

A61F13/49009 A61F13/53713 A61F13/53717 A61F13/53747

European: A61F13/49D2 A61F13/537B2 A61F13/537B4

US: 604/385.2 604/385.29 604/386



Family:

Publication number	Publication date	Application number	Application date
AR004854 AA	19990310	AR1996P105490	19961204
AU199710579 A1	19970627	AU19970010579	19961113
AU705076 B2	19990513	AU19970010579	19961113
BRPI9612575 A	19990727	BR1996PI12575	19961113
CA2166008 AA	19970619	CA19952166008	19951222
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CN1203521 A	19981230	CN19961098771	19961113
CZ289283 B6	20011212	CZ19980001707	19961113
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DE69620012 T2	20021121	DE19966020012T	19961113
EG21888 A	20020430	EG19960001069	19961213
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HU222407 B1	20030628	HU19990002158	19961113
HU9902158 AB	19991028	HU19990002158	19961113
HU9902158 AC	19991129	HU19990002158	19961113
ID16750 A	19971106	ID19960003717	19961213
IL124339 A0	19981206	IL19960124339	19961113
IL124339 A1	20020421	IL19960124339	19961113
JP2000500987 T2	20000202	JP19970508727T	19961113
KR100448955 B1	20041116	KR19980704194	19961113
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MX9600133 A1	19970628	MX19960000133	19960105
NZ323595 A	19990329	NZ19960323595	19961113
PE20298 A1	19980428	PE19960000866	19961202
PL184812 B1	20021231	PL19960327039	19961113
PL327039 A1	19981109	PL19960327039	19961113
RU2179008 C2	20020210	RU19980112334	19961113
RU98112334 A	20000610	RU19980112334	19980706
SK72798 A3	19990111	SK19980000727	19961113
TH16944 B	20040531	TH19961001112	19960411
TH22037 A	19961127	TH19961001112	19960411
TR9801013 T2	19980921	TR19980001013T	19961113
US5904675 A	19990518	US19970950105	19971016
WO9720532 A1	19970612	WO1996US18707	19961113
ZA9609373 A	19970602	ZA19960009373	19961107

Priority:

US19950007912 19951204	US19950007912P 19951204	US19950560525 19951218
CA19952166008 19951222	WO1996US18707 19961113	US19960560525 19961218
US19970950105 19971016		

Probable Assignee: KIMBERLY CLARK CORP

Assignee(s): (std): KIMBERLI KLARK UORLDVAJD INK ; KIMBERLY CLARK CO ; KIMBERLY CLARK CORP ; KIMBERLY CLARK WORLDWIDE IND

Assignee(s): KIMBERLY CLARK WORLDWIDE INC ; KIMBERLY CLARK WORLDWIDE INC NEENAH WISCONSIN ; ROBINSON MARK LOUIS ; NORDNESS CYNTHIA HELEN ; LAUX DANIEL RICHARD ; PROXMIRE DEBORAH LYNN ; STEVENS ROBERT ALAN ; SOSALLA PAULA MARY ; KIMBERLY CLARK WORLDWIDE ; BRUD LYNN CAROL ; GOSSEN BARBARA ANN ; JOHNSON ERIC DONALD ; KILBERLY CLARK WORLDWIDE INC

Inventor(s): (std): NORDNESS HELEN ; NORDNESS SINTIJA KHELEN ; PROKSMJEH DEBORA LINN ; PROXMIRE LYNN ; ROBINSON LOUIS ; ROBINSON MARK LOUIS ; SOSALLA PAULA MARY ; SOSALLA MARY ; SOSALLA PAULA MEHRI ; STEVENS ALAN ; STIVENS ROBERT ALAN ; STEVENS ROBERT ALAN ; STEVENS ROBERT A ; SOSALLA PAULA MARY ; SOSALLA PAULA M ; ROBINSON MARK LOUIS ; ROBINSON MARK L ; ROBERT

ALAN STEVENS ; PROXMIRE LYNN DEBORAH ; PROXMIRE LYNN D ; PROXMIRE DEBORAH LYNN ;
PROXMIRE DEBORAH L ; PAULA MARY SOSALLA ; PAULA MARY SOSALA ; NORDNESS CYNTHIA HELEN ;
NORDNESS CYNTHIA H ; MARK LOUIS ROBINSON ; LYNN CAROL BRUD ; LAUX DANIEL RICHARD ;
LAUX DANIEL R ; LAUX D R ; L C BRUD ; JOHNSON ERIC DONALD ; JOHNSON ERIC D ; GOSSEN
BARBARA ANN ; GOSSEN BARBARA A ; GOSSEN B A ; ERIC DONALD JOHNSON ; BRAD LINN KEHROL ;
BRUD CAROL ; GOSSEN ANN ; GOSSEN BARBARA EHNN ; JOHNSON DONALD ; DZHONSON EHRIC
DONAL D ; DEBORAH LYNN PROXMIRE ; DANIEL RICHARD LAUX ; D R LAUX ; CYNTHIA HELEN
NORDNESS ; BRUD LYNN CAROL ; BRUD LYNN C ; BRUD L C ; BARBARA ANN GOSSEN ; B A GOSSEN ;
LAUX RICHARD ; LO DEHNIEL RICHARD

Inventor(s): etc. ; Gossen ; Barbara Ann . ; Lynn Carol ; NORDNESS CYNTHIAHELEN ; Laux ; Daniel Richard ; Brud ;
DZHONSON EHRIC DONAL'D

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; BORDEN LADNER GERVAIS LLP; SARGENT;
REINHOLD COHN AND PARTNERS

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: ENHANCED ODOR ABSORPTION BY NATURAL AND **SYNTHETIC** POLYMERS

Abstract: Odor reduction for **products** such as disposable diapers and training pants, sanitary napkins and tampons, incontinent **products**, and medical dressings is obtained by the use of an internal additive for **synthetic** polymers or an external additive for natural polymers. Results are further enhanced by the use of a surfactant especially in the case of **synthetic** polymers. Webs, **fibers** and films find uses as components of the described **products** and are effective in **absorbing** odors such as ammonia, triethylamine, indole and skatole, for example, which are commonly found in body **fluids** like sweat, menses, urine and fecal matter.

Classifications:

International (IPC 8-9): A61F13/00 A61F13/14 A61F13/15
A61F13/472 A61F13/49 A61F13/511 A61F5/44 A61F5/441 A61K8/02
A61L15/20 A61L15/28 A61L15/34 A61L15/40 A61L15/46 A61L15/48
A61L27/50 A61L9/01 A61Q15/00 A61Q19/00 B05B3/02 C08L1/24
C08L5/00 C08L9/00 D04H1/42 D04H1/54 D06B1/02 D06M10/08
D06M13/00 D06M13/02 D06M13/148 D06M13/165 D06M13/17
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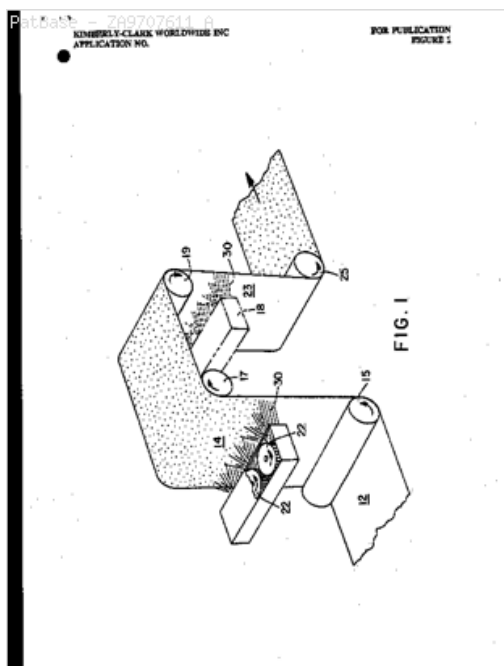
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Probable Assignee: KIMBERLY CLARK CORP

Assignee(s): (std): KIMBERLY CLARCK WORLDWIDE INC ; KIMBERLY CLARK CO ; KIMBERLY CLARK CORP ; KIMBERLY CLARK WORLDWIDE INC ; KIMBERLEY CLARK WORLDWIDE INC ; KIMBERLI KLARK UORLDVAJD INK

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Inventor(s): JA RIGGS ; GH ADAM ; CE BOLIAN II ; J A RIGGS ; CHARLES EDWARD BOLIAN ; BOLAJEN CHARL'Z EHDVARD II ; L C BONEY ; R C DI LUCCIO ; R A BORDERS ; MUSIL DEHVID CHARL'Z ; D G KRZYSIK ; D C MUSIL ; ALI YAHIANOUI ; A L POTOKAR ; LC BONEY ; AL POTOKAR ; FRANK ANDREW ROSCH III ; G H ADAM ; RC DI LUCCIO ; RA BORDERS ; DC MUSIL ; DG KRZYSIK ; ROBERT COSMO DILUCCIO

Agent(s): SPRUSON AND FERGUSON ; ASPEN PHARMA PTY LTD ; BORDEN LADNER GERVAIS LLP ; RAMIRO CASTRO DUQUE ; ZIMMERMANN GERD HEINRICH ET AL ; BEACHAM ANNABEL ROSE

Designated states: AE AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK 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 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 ZA ZW

Title: Absorbent article with improved fluid acquisition system

Abstract: A disposable absorbent article, e.g., a diaper, arranged to be worn by a wearer to trap and collect fluid waste products. The article has a flexible chassis made up of a top-sheet, a two layer fluid acquisition system, and a fluid absorbent core.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/537 (Advanced/Invention)

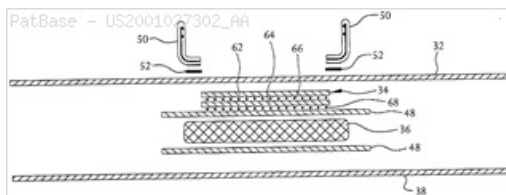
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European: A61F13/537B4 A61F13/537C A61F13/537C2

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US: 428/137 428/138 604/365 604/365S 604/366 604/367 604/367S
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Family:

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Priority:

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Probable Assignee: FIRST QUALITY RETAIL SERVICES LLC

Assignee(s): (std): FRANK S GLAUG ; GLAUG FRANK ; GLAUG FRANK S ; TYCO HEALTHCARE RETAIL SERVICE ; TYCON HEALTHCARE RETAIL SERVIC ; TYCON HEALTHCARE RETAIL SERVICES AG ; TYCO HEALTHCARE RETAIL SERVICES AG ; TYCO HEALTHCARE RETAIL SERV AG ; CONFAB SERVICES AG ; CONFAB SERVICES AG SWITZERLAND ; CONFAB SERVICES SWITZERLAND AG

Assignee(s): JPMORGAN CHASE NA ; RODGERS JOAN ; LEVY RUTH ; WAKSMUNDZKI ANDREW ; COOK WILLIAM H ; FIRST QUALITY RETAIL SERVICES LLC ; TYCO HEALTHCARE RETAIL GROUP INC ; JP MORGAN CHASE BANK NA

Inventor(s): (std): COOK WILLIAM ; COOK WILLIAM H ; FRANK S GLAUG ; GLAUG FRANK ; GLAUG FRANK S ; RUTH LEVY ; WILLIAM H COOK ; WAKSMUNDZKI ANDREW ; RODGERS JOAN ; LEVY RUTH ; JOAN RODGERS ; COOK H

Inventor(s): ANDREW WAKSMUNDZKI

Agent(s): RIDOUT AND MAYBEE LLP

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

Title: METHOD AND APPARATUS FOR MAKING ON-LINE STABILIZED **ABSORBENT** MATERIALS

Abstract: A method for forming a stabilized airlaid **layer** (86) can include an airforming of a substantially unbonded fibrous **layer** (66) which includes **absorbent fibers** and binder-**fibers**. The fibrous **layer** (66) is exposed to high-frequency electromagnetic energy during a distinctively short activation period to activate the binder-**fibers** to provide the stabilized, airlaid **layer** (86). In a particular aspect the activation period can be not more than about 3 sec.

Classifications:

International (ipc 8-9): A61F13/00 A61F13/15 A61F13/472 A61F13/49 A61F13/53 A61F13/532 A61F13/533 A61F13/534 A61F13/535 A61F13/536 A61F13/84 A61F5/44 A61L15/60 B32B27/04 B32B27/12 B32B5/02 D01F1/10 D04H1/00 D04H1/407 D04H1/42 D04H1/54 D04H1/542 D04H1/554 D04H1/732 D06M10/00 H05B6/10 H05B6/78 (Advanced/Invention); A61F13/53 A61F13/535 D04H1/54 (Advanced/Non-invention); A61F13/00 A61F13/15 A61L15/16 D01F1/10 D04H1/42 D04H1/54 D06M10/00 (Core/Invention)

International (ipc 1-7): A61F13/00 A61F13/15 A61F13/20 A61F13/472 A61F13/49 A61F13/53 A61F13/532 A61F13/533 A61F13/534 A61F13/535 A61F13/536 A61F2/00 A61F5/44 A61F9/00 A61L15/00 A61L15/42 B27N3/04 B32B1/00 B32B15/02 B32B27/02 B32B27/04 B32B27/12 B32B27/32 B32B5/02 B32B5/26 B32B9/00 D01F1/00 D01F1/09 D01F1/10 D01F8/00 D01F8/04 D02G3/00 D02G3/44 D04H1/00 D04H1/42 D04H1/54 D04H13/00 D04H3/00 D04H3/14 D04H3/16 D04H5/00 D06M10/00 H05B6/00 H05B6/10 H05B6/78

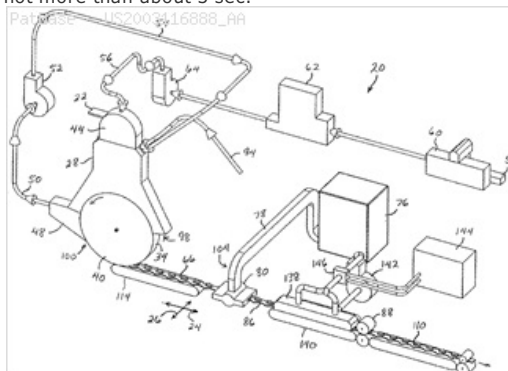
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European: A61F13/15J A61F13/15M3B A61F13/15M6 A61F13/472B A61F13/49A A61F13/532 A61F13/533 A61F13/534 A61F13/535 A61F13/536 A61F13/84B A61L15/60 D01F1/10C D04H1/42 D04H1/54 D04H1/54B D06M10/00C K61F13/15J8A K61F13/15J8C K61F13/15J8H1 K61F13/45C3A K61F13/45C3B K61F13/45C3C K61F13/53M3 K61F13/53M3D K61F13/53M4B K61F13/53M7C

US: 264/122 264/460 264/460P 428/174 428/213 428/218 428/34 428/340 428/340S 428/365 428/365P 428/365S 428/373 428/373P 428/375 428/375S 428/391 428/391S 428/402 428/402S 442/11 442/110 442/110S 442/327 442/327P 442/327S 442/334 442/334S 442/361 442/361P 442/361S 442/364 442/364P 442/381 442/381S 442/401 442/401S 442/414 442/414P 442/414S 442/415 442/415S 442/416 442/416S 604/367 604/367P 604/379 604/380 604/385.01 604/385.010S

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Priority:

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WO2002US41129	20021220	US20040835160	20040429		

Probable Assignee: KIMBERLY CLARK CORP

Assignee(s): (std): BEITZ MARK JOHN ; CHAKRAVARTY JAYANT ; KIMBERLY CLARK WORLDWIDE INC ; KIMBERLY CLARK CO ; KIMBERLY CLARK CORP ; WALLAJAPET PALANI RAJ RAMASWAM ; ZENKER DAVID LOUIS

Assignee(s): WALLAJAPET PALANI RAJ RAMASWAMI ; ZHOU PEIGUANG ; WORKMAN JEROME JAMES ; SCHLEINZ ALAN FRANCIS ; SMITH ROLAND COLUMBUS ; SOERENS DAVE ALLEN ; KIMBERLY CLARK WORLDWIDE INC ; LANCASTER MARK SCOTT ; VENTURINO MICHAEL BARTH ; GARVEY MICHAEL JOSEPH ; RYMER TIMOTHY JAMES ; VOGT ROBERT EUGENE ; TOPOLKARA EV VASILY ARAMOVICH ; STAGRAY DAVID ALLEN ; KIMBERLY CLARK WORLDWIDE INC NEENAH ; DAY JENNY LEE ; DEGROOT DENNIS JOHN ; FAIRBANKS JASON SYBREN ; BOLDRA JAMES ALVIN ; ABUTO FRANCIS PAUL ; ABUTO FRANK PAUL

Inventor(s): (std): ABUTO FRANCIS PAUL ; ABUTO FRANK P ; BEITZ MARK J ; BEITZ MARK JOHN ; CHAKRAVARTY JAYANT ; DAY JENNY LEE ; ELLIKER PETER R ; GARVEY MICHAEL J ; GARVEY MICHAEL JOSEPH ; KRESSNER BERNHARDT E ; MELIUS SHANNON K ; MICHAEL B VENTURINO ; REEVES WILLIAM G ; RYMER TIMOTHY J ; RYMER TIMOTHY JAMES ; STAGRAY DAVID ALLEN ; TOPOLKARA EV VASILY ARAMOVICH ; VENTURINO MICHAEL B ; VENTURINO MICHAEL BARTH ; VOGT ROBERT E ; VOGT ROBERT EUGENE ; WALLAJAPET PALANI RAJ RAMASWAM ; WORKMAN JEROME JAMES ; ZENKER DAVID L ; ZHOU PEIGUANG ; RYMER TIMOTHY J AND ; ROBERT E VOGT ; MICHAEL JOHN GARVEY ; LANCASTER MARK SCOTT ; LANCASTER MARK S ; FRANK PAUL ABUTO ; DEGROOT DENNIS JOHN ; DEGROOT DENNIS J ; BOLDRA JAMES ALVIN ; BOLDRA JAMES A ; BERNHARDT E KRESSNER ; JAMES ALVIN BOLDRA ; ABUTO FRANK PAUL ; ZENKER DAVID LOUIS ; SMITH ROLAND COLUMBUS ; WORKMAN JR JEROME JAMES ; SOERENS DAVE ALLEN ; SMITH JR ROLAND COLUMBUS ; SCHLEINZ ALAN FRANCIS ; FAIRBANKS JASON SYBREN ; CHAKRAVARTY PARTHA P ; WORKMAN JEROME JAMES JR ; BOLTRA JAMES A

Inventor(s): BOLDRA JAMES ALVIN MENASHA ; WALLAJAPET PALANI RAJ RAMASWAMI ; VENTURINO MICHAEL ; JR ROLAND COLUMBUS SMITH ; JR JEROME JAMES WORKMAN ; PEIGUANG ZHOU ; PALANI RAJ RAMASWAMI WALLAJAPET ; JEROME JAMES JR WORKMAN ; FRANCIS PAUL ABUTO ; RYMER TIMOTHY JAMES APPLETON ; VASILY ARAMOVICH TOPOLKARA EV ; ABUTO FRANK ; GARVEY MICHAEL JOSEPH APPLETON ; GARVEY MICHAEL ; BEITZ MARK ; ALAN FRANCIS SCHLEINZ ; ABUTO FRANK PAUL DULUTH ; DAVID L ZENKER ; DAVID ALLEN STAGRAY ; DAVE ALLEN SOERENS ; DENNIS JOHN DEGROOT ; DEGROOT DENNIS JOHN APPLETON ; DEGROOT DENNIS JOHN AND ; LANCASTER MARK ; KRESSNER ; JR ; JENNY LEE DAY ; JAYANT CHAKRAVARTY ; JASON SYBREN FAIRBANKS ; MICHAEL J GARVEY ; MICHAEL BARTH VENTURINO ; MARK SCOTT LANCASTER ; MARK JOHN BEITZ ; MARK J BEITZ ; LANCASTER MARK SCOTT NEENAH ; PETER R ELLIKER ; MICHAEL JOSEPH GARVEY ; RYMER TIMOTHY ; ROBERT EUGENE VOGT ; VENTURINO MICHAEL ; TIMOTHY JAMES RYMER ; TIMOTHY J RYMER ; SHANNON K MELIUS ; WILLIAM G REEVES ; VOGT ROBERT EUGENE NEENAH ; VENTURINO MICHAEL BARTH APPLETON ; VOGT ROBERT ; VOGT ROBERT DE GROOT DENNIS GARVEY MICHAEL BALDRA JAMES ABUTO

Agent(s): SARGENT; PORZIO; ZIMMERMANN AND PARTNER PATENTANWALTE MBB; DAVIES CHRISTOPHER ROBERT; PAUL Y; THOMAS M; ARMSTRONG TEASDALE LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT 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: SYSTEM AND METHOD FOR DRY FORMING **ABSORBENT** CORES

Abstract: An apparatus and method for dry forming **absorbent** cores are disclosed. The apparatus has a rotatable drum having a substantially cylindrical surface. A vacuum surface having one or more holes is located substantially circumferentially around at least a portion of the substantially cylindrical surface. A vacuum chamber is located within the rotatable drum. The vacuum chamber has one or more vacuum passages forming a vacuum zone subadjacent at least a portion of the vacuum surface. A first casing sheet is supplied to overlie the vacuum surface at a first location, and a fibrous material is supplied to overlie the first casing sheet at a second location. A supply of particulate matter is deposited onto the fibrous material at a third location, and a second casing sheet is supplied to overlie the first casing sheet, fibrous material and particulate matter at a fourth location, thereby forming an **absorbent** core composite.

Classifications:

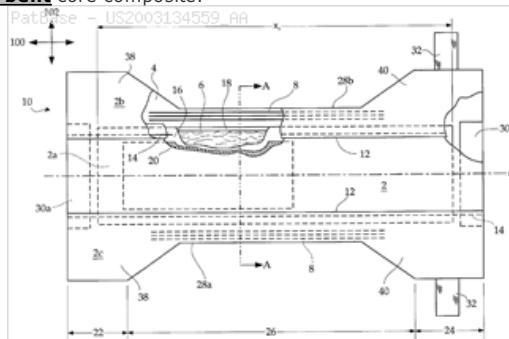
International (IPC 8-9): A01J21/00 A01J25/12 A21C11/00 A21C3/00 A61F13/00 A61F13/15 A61F13/20 A61F13/49 A61F13/53 A61F13/534 A61F13/539 A61F13/56 A61F13/58 A61F15/00 A61F5/44 A61L15/28 A61L15/60 B27N1/00 B27N3/00 B28B5/00 B29C43/22 B29C44/20 B32B5/30 D04H1/20 (Advanced/Invention); A61F13/494 (Advanced/Non-invention); A61F13/00 A61F13/15 A61F13/56 A61F5/44 (Core/Invention); A61F (Subclass/Invention)

International (IPC 1-7): A01J21/00 A01J25/12 A21C11/00 A21C3/00 A61F0/00 A61F13/00 A61F13/15 A61F13/20 A61F13/49 A61F13/53 A61F13/534 A61F13/539 A61F13/56 A61F13/58 A61F15/00 A61F5/44 B27N1/00 B27N3/00 B28B5/00 B29C43/22 B29C44/20 B32B27/12 B32B31/00 B32B5/16 B32B5/26 C09J1/00 D04H1/00 D04H1/20 D04H3/00 D04H3/00 D04H5/00 D29D7/00

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US: 156/200 156/204 156/227 156/276 156/276S 156/285 156/285S 156/303 156/442.1 156/442.2 156/443 156/578 264/119 264/119S 264/517 264/518 425/363 425/363S 425/388 425/388S 425/403 425/403.1 425/405.1 425/470 425/504 425/504S 425/505 425/505P 425/80.1 425/801 425/82.1 425/83.1 442/327 442/327S 442/381 442/381S 442/394 442/394P 442/394S 442/417 442/417P 604/358 604/358P 604/367 604/367P 604/368 604/368P 604/378 604/378P 604/378S 604/385.28 604/385.280S 604/386 604/386S 604/387 604/387S



Family:

Publication number	Publication date	Application number	Application date
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Probable Assignee: PARAGON TRADE BRANDS INC

Assignee(s): (std): FIRST QUALITY RETAIL SERVICES LLC ; LITVAY JOHN ; LITVAY JOHN D ; PARAGON TRADE BRANDS INC ; PARAGON TRADE BRANDS ; WALTER JOHN ; TYCO HEALTHCARE RETAIL SERVICE ; WAKSMUNDZKI ANDREW ; EGTED WALTER ; GLAUG FRANK ; TYCO HELTHCARE RETAIL SERVICES ; TYCO HEALTHCARE RETAIL SERV AG ; TYCON HEALTHCARE RETAIL SERVIC ; TYCO HEALTHCARE RETAIL SERVICES AG

Assignee(s): TYCO HEALTHCARE RETAIL GROUP INC ; TYCO HOALTHCARE RETAIL SERVICES AG ; DELZER TROY ; TYCON HEALTHCARE RETAIL SERVICES AG ; EGYED WALTER ; TYCO HELTHCARE RETAIL SERVICES AG ; JP MORGAN CHASE BANK NA ; PARAGON TRADE BRANDS LLC ; JPMORGAN CHASE NA ; HANSEN EBBA A

Inventor(s): (std): GLAUG FRANK ; HANSEN EBBA ; HANSEN EBBA A ; LITVAY JOHN D ; WAKSMUNDZKI ANDREW ; WALTER JOHN ; LITVAY JOHN ; JOHN D LITVAY ; EGYED WALTER ; EBBA A HANSEN ; DELZER TROY ; EGTED WALTER

Inventor(s): ANDREW WAKSMUNDZKI ; FRANK GLAUG ; JOHN LITVAY ; WALTER EGTED

Agent(s): PIASETZKI AND NENNIGER LLP; BERESKIN AND PARR LLP SENCRL SRL; BLAKE CASSELS AND GRAYDON LLP; ITO TAKAMI; MASUI CHUJI; SHAMOTO ICHIO; KOBAYASHI YASUSHI; TOMITA HIROYUKI; CHIBA AKIO; CHRISTOPHER C CAMPBELL ESQUIRE HUNTON AND WILLIAMS; CHRISTOPHER C CAMPBELL ESQ HUNTON AND WILLIAMS; HUNTON AND WILLIAMS LLP, INTELLECTUAL PROPERTY DEPARTMENT; HUNTON AND WILLIAMS LLP INTELLECTUAL PROPERTY DEPARTMENT; MARK S LEONARDO ESQ BROWN RUDNICK BERLACK ISRAELS LLP; HUNTON AND WILLIAMS; SPILMAN THOMAS AND BATTLE PLLC

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

Title: INTER-LABIUM **PRODUCT** AND SURFACE-**SIDE** SHEET CAPABLE OF DISINTEGRATION IN WATER FOR THE INTER-LABIUM **PRODUCT**

Abstract: An inter-labium **product** capable of disintegration in water, fitted to the inter-labium part; and a surface-**side** sheet for inter-labium **product** that simultaneously realizes comfortability at wearing of the inter-labium **product** and capability of water disintegration such that the inter-labium **product** is disintegrated when thrown in flush water of water closet after use. The surface-**side** sheet for use in an inter-labium **product** fitted to the inter-labium part is comprised of hydrophilic **fibers** composed of single **fibers** and fibril **fibers** having fuzzes branched from the surface thereof, wherein at least some of the branched fuzzes link the single **fibers** and the fibril **fibers** to each other. Thus, not only can the **wet** tensile strength be increased but also inter-fibrous bonds are slowly decomposed in the presence of a large amount of water to thereby enable disposal of the inter-labium **product** in a flush toilet. Furthermore, since no resin is used, the inter-labium **product** is free from resin leaching to thereby avoid problems, such as itching and **skin** roughness, caused by the resin leaching.

Classifications:

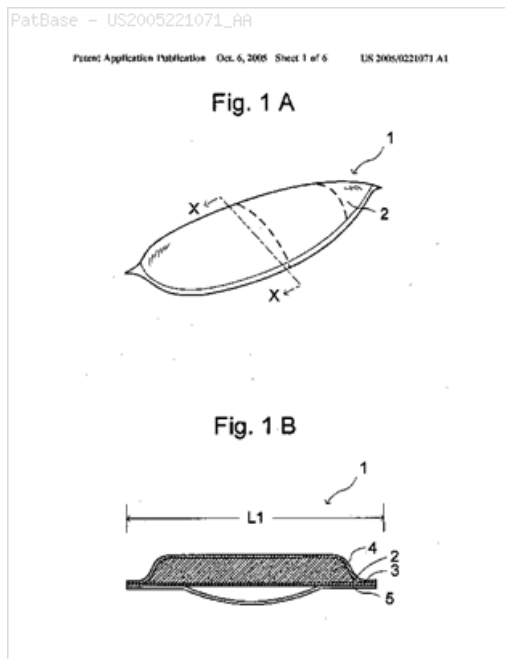
International (IPC 8-9): A61F13/15 A61F13/20 A61F13/472
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D04H1/4258 D04H1/492 D04H13/00 D04H3/00 (Advanced/Invention);
A61F13/15 A61F13/20 A61F13/511 (Advanced/Non-invention)

International (IPC 1-7): A61F13/15 A61F13/20 A61F13/472
A61F13/511 A61F13/514 A61F13/551 A61L15/62 D04H3/00

CPC: Y10T428/2904 Y10T428/2913 Y10T428/298 A61F13/15211
A61F13/47209 Y10T428/249924 D04H1/4258

European: A61F13/15J2 A61F13/472A D04H1/42 D04H13/00B2

US: 428/292.1 428/292.100P 428/359 428/364 428/401 604/359
604/367 604/375 604/380 604/383



Family:

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TWI303570 B	20081201	TW20030125511	20030916
US2005221071 AA	20051006	US20050081011	20050315
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WO04026204 A1	20040401	WO2003JP10566	20030821

Priority:

JP20020270684 20020917 EP20030797523 20030821 WO2003JP10566 20030821
US20050081011 20050315

Probable Assignee: UNI CHARM CORP

Assignee(s): (std): MIZUTANI SATOSHI ; NODA YUKI ; OKADA KAZUYA ; TOKUMOTO MEGUMI ; UNI CHARM CORP ;
YAMAKI KOICHI ; UNI CHARM LTD ; UNICHARM CORP

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

Inventor(s): (std): KAZUYA OKADA ; KOICHI YAMAKI ; MEGUMI TOKUMOTO ; MIZUTANI SATOSHI ; NODA YUKI ; OKADA
KAZUYA ; SATOSHI MIZUTANI ; TOKUMOTO MEGUMI ; YUKI NODA ; YAMAKI KOICHI

Inventor(s): YAMAKI KOICHI C O TECHNICAL CENTER UNI CHARM CORP ; YAMAKI KOICHI C O TECHNICAL
CENTERUNI CHARM CORP KANONJI SHI ; TOKUMOTO MEGUMI C O TECHNICAL CENTER UNI CHARM... ;
TOKUMOTO MEGUMI C O TECHNICAL CENTERUNI CHARM CORP KANONJI SHI ; OKADA KAZUYA C O
TECHNICAL CENTER UNI CHARM CORP ; OKADA KAZUYAC O TECHNICAL CENTERUNI CHARM CORP
KANONJI SHI ; NODA YUKI C O TECHNICAL CENTER UNI CHARM CORP ; NODA YUKI C O TECHNICAL

CENTERUNI CHARM CORP KANONJI SHI ; MIZUTANI SATOSHI C O TECHNICAL CENTER UNI... ;
MIZUTANI SATOSHIC O TECHNICAL CENTER UNI CHARM CORP

Agent(s):

OGILVY RENAULT LLP SENCRL SRL; MURGITROYD AND CO; STARK GORDON DRUMMOND;
SHOBAYASHI MASAYUKI; FUJITA KAZUKO; DARBY AND DARBY PC; DARBY AND DARBY

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 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: **ABSORBENT** CORE HAVING TWO OR MORE TYPES OF SUPERABSORBENT

Abstract: An **absorbent** core for use in an **absorbent article**, including a central fibrous **layer** having **synthetic fibers**, and two or more types of superabsorbent material (SAP). The SAP is contained primarily in upper and/or lower **layers** of the **absorbent** core. The upper and/or lower **layer** may be a substantially continuous **layer** of SAP, or may include a free-form of SAP. The upper and/or lower **layers** may have a blend of two or more types of SAP, or may have only a virgin, unblended SAP. Each of the types of SAP preferably has a different **absorbent** property (such as high AUL, or fast absorption rate), so that the resultant **absorbent** core benefits from having multiple **absorbent** properties provided by the SAP's. An **absorbent article** including the **absorbent** core, and a method of providing an **absorbent article** including the **absorbent** core are also described.

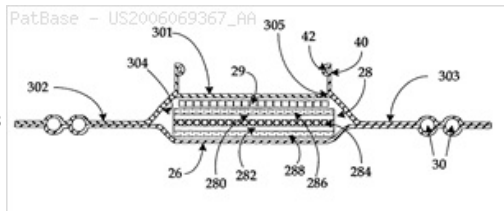
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International (IPC 8-9): A61F13/15 A61F13/20 (Advanced/Invention); A61F13/00 A61F13/15 (Core/Invention)

CPC: A61F13/15634 A61F13/534 A61F2013/530547 A61F2013/530708

European: A61F13/15M3C A61F13/534 K61F13/53Q2E K61F13/53Q8

US: 604/368 604/368S 604/378 604/378P



Family:

Publication number	Publication date	Application number	Application date
CA2579708 AA	20070307	CA20052579708	20050928
MX2007003548 A1	20070523	MX20070003548	20050928
US2006069367 AA	20060330	US20040951888	20040929
WO06039307 A2	20060413	WO2005US34729	20050928
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Priority:

US20040951888 20040929 WO2005US34729 20050928

Probable Assignee: FIRST QUALITY RETAIL SERVICES LLC

Assignee(s): (std): GLAUG FRANK ; LITVAY JOHN ; TYCO HEALTHCARE RETAIL SERV AG ; TYCO HEALTHCARE RETAIL SERVICE ; WAKSMUNDZKI ANDREW

Assignee(s): FIRST QUALITY RETAIL SERVICES LLC ; TYCO HEALTHCARE RETAIL SERVICES AG ; TYCO HEALTHCARE RETAIL GROUP INC ; JP MORGAN CHASE BANK NA

Inventor(s): (std): GLAUG FRANK ; LITVAY JOHN ; WAKSMUNDZKI ANDREW

Inventor(s): JOHN LITVAY ; ANDREW WAKSMUNDZKI ; FRANK GLAUG

Agent(s): BERESKIN AND PARR; CHRISTOPHER C CAMPBELL ESQ HUNTON AND WILLIAMS

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

Title: BREATHABLE PROTECTIVE ARTICLES

Abstract: A protective article formed of a laminate between at least a layer of a liquid-impermeable, vapor-permeable barrier, and at least a layer of a stretchable or elastomeric, nonwoven fiber web is described. The barrier is reinforced at least on one side by the nonwoven fiber web, which remains elastic after being bonded to the barrier layer. The elasticity of both barrier and bonded fiber layers simulate the flexibility of natural or synthetic latex or other polymer films. The nonwoven fiber web includes at least about 75 percent of individual fibers with a length of over about 1 mm, and the fibers are substantially continuous. A second nonwoven web, a second barrier layer, or both may be attached to the exterior side of the breathable barrier. An elastomeric material coating, such as either a nature or synthetic latex or other polymers, may be applied over at least a portion of the article to provide for additional protection.

Classifications:

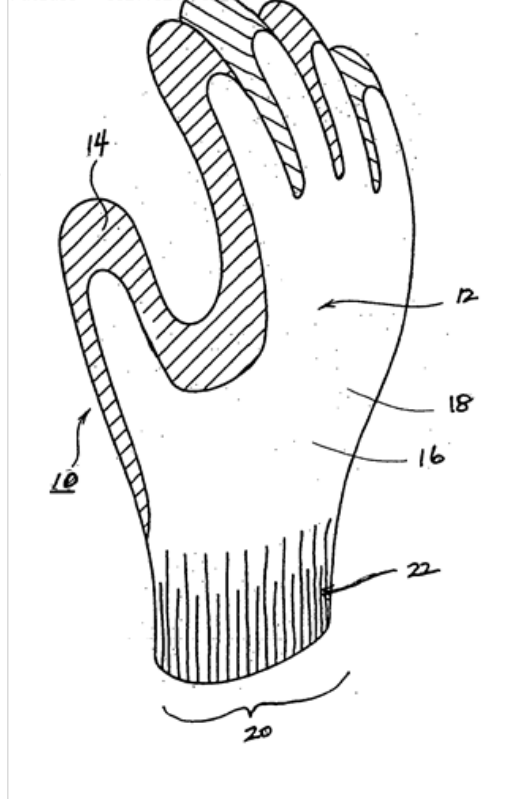
International (IPC 8-9): A61F13/00 B32B27/12 B32B5/02 B32B5/22 B32B7/04 (Advanced/Invention); A61F13/00 B32B27/12 B32B5/22 B32B7/04 (Advanced/Non-invention); A61F13/00 B32B27/00 B32B27/12 B32B5/02 B32B5/22 B32B7/00 B32B7/04 (Core/Invention)

CPC: Y10T442/2139 Y10T442/2148 Y10T442/2213 Y10T442/601 Y10T442/659 Y10T442/671 Y10T442/674 A41D19/015 A41D2500/54 A61F13/00008 A61F13/00055 A61F13/00063 A61F13/104 A61F2013/00272 A61F2013/00285 A61F2013/00297 A61F2013/00387 A61F2013/00574 B32B5/022 B32B27/32 B32B27/36 B32B27/40 B32B2250/42 B32B2255/02 B32B2255/26 B32B2262/0253 B32B2262/12 B32B2307/4026 B32B2307/51 B32B2307/714 B32B2307/724 B32B2307/7265 B32B2307/73 B32B2437/00 B32B2437/02 B32B2437/04 B32B2535/00 B32B2555/00 B32B2571/00 A61B42/00 B32B7/04 B32B27/12

European: A41D19/015 A47L13/18 A61B19/04 A61F13/00 A61F13/06 A61F13/10H B32B27/12 B32B27/32 B32B27/36 B32B27/40 B32B5/02A B32B7/04 K41D500/54 K61F13/00A2 K61F13/00B2 K61F13/00B6 K61F13/00J14 K61F13/00J18 K61F13/00J23 K61F13/00L1B K61F13/00L2G K61F13/10H L32B250/42 L32B255/02 L32B255/26 L32B262/02H L32B262/12 L32B307/402D L32B307/510 L32B307/714 L32B307/724 L32B307/726B L32B307/730 L32B437/00 L32B437/02 L32B437/04 L32B535/00 L32B555/00 L32B571/00

US: 2/16 2/16P 442/328 442/328S 442/381 442/381S 442/392 442/392S 442/394 442/394S 442/76 442/76S 442/77 442/77S 442/85 442/85S

PatBase - US2006143767A

**Family:**

Publication number	Publication date	Application number	Application date
AU2005317159 AA	20060622	AU20050317159	20051214
BRPI0516185 A	20080826	BR2005PI16185	20051214
CN101080319 A	20071128	CN200580042824	20051214
EP1824678 A2	20070829	EP20050853963	20051214
KR20070095896 A	20071001	KR20077013248	20070613
MX2007007118 A1	20070713	MX20070007118	20051214
US2006143767 AA	20060706	US20040011716	20041214
WO06065854 A2	20060622	WO2005US45160	20051214
WO06065854 A3	20060824	WO2005US45160	20051214

Priority:

US20040011716 20041214 WO2005US45160 20051214

Probable Assignee: KIMBERLY CLARK CORP**Assignee(s):** (std): SHAMIS MARTIN S ; THOMAS OOMMAN P ; KIMBERLY CLARK CORP ; YANG KAIYUAN ; THOMAS OOMMAN PAINUMMOOTTIL ; FISH JEFFREY E ; KIMBERLY CLARK CO**Assignee(s):** KIMBERLY CLARK WORLDWIDE INC**Inventor(s):** (std): FISH JEFFREY E ; KAIYUAN YANG ; SHAMIS MARTIN S ; THOMAS OOMMAN P ; PAINUMMOOTTIL THOMAS OOMMAN ; YANG KAIYUAN ; THOMAS OOMMAN PAINUMMOOTTIL**Inventor(s):** SHAMIS MARTIN ; THOMAS OOMMAN ; FISH JEFFREY ; OOMMAN PAINUMMOOTTIL THOMAS ; MARTIN S SHAMIS ; JEFFREY E FISH**Agent(s):** FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; HERBERT SMITH FREEHILLS; FREEHILLS PATENT ATTORNEY S; FPA PATENT ATTORNEYS PTY LTD; 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 KM KN KP KR KZ LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: TACKY ALLERGEN TRAP AND FILTER MEDIUM, AND METHOD FOR CONTAINING ALLERGENS**Abstract:** An allergen trap is provided. The allergen trap includes a woven or nonwoven substrate having at least one strata. The trap is impregnated with or otherwise treated with a tacky adhesive by which allergens may be trapped. An example of an allergen is a dust mite. The tacky adhesive, in turn, may be treated with a miticide or activated carbon.**Classifications:**

International (IPC 8-9): A01M1/14 A47C27/00 A61L2/00 A61L9/16 B01D39/14 B01D39/16 B01D46/00 B01D46/52 B01D46/521 B01D53/02 B05D1/36 B05D3/02 B05D5/00 B05D5/10 B23B5/02 B29C59/04 B32B21/10 B32B23/02 B32B23/10 B32B27/00 B32B27/04 B32B27/06 B32B27/12 B32B27/18 B32B33/00 B32B37/02 B32B37/06 B32B37/12 B32B37/14 B32B5/02 B32B5/06 B32B5/26 B32B7/02 B32B7/12 B60R13/08 B62D25/04 D03D27/00 D03D9/00 D04H1/00 D04H1/42 D04H1/425 D04H1/54 D04H1/541 D04H1/56 D04H1/58 D04H1/60 D04H13/00 D04H3/12 D04H3/14 D04H3/16 D06M15/19 E04B1/74 E04B1/82 E04B1/84 E04F13/00 F16F15/00 G10K11/16 G10K11/162 (Advanced/Invention); B60R13/08 D04H13/00 E04B1/74 (Advanced/Non-invention); A47C27/00 A61L2/00 A61L9/16 B01D39/14 B01D46/00 B01D46/52 B01D53/02 B05D1/36 B05D3/02 B05D5/00 B05D5/10 B29C59/04 B32B21/00 B32B23/00 B32B27/00 B32B27/04 B32B27/06 B32B27/12 B32B33/00 B32B37/06 B32B37/12 B32B5/02 B32B5/06 B32B5/22 B32B7/02 B60R13/08 B62D25/04 D03D27/00 D03D9/00 D04H1/00 D04H1/42 D04H1/54 D04H1/56 D04H1/58 D04H13/00 D04H3/08 D04H3/14 D04H3/16 D06M15/19 E04B1/74 E04B1/82 E04F13/00 F16F15/00 G10K11/00 (Core/Invention); B60R13/08 (Core/Non-invention)

International (IPC 1-7): B01D39/14 D04H13/00

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European: A47C31/00M B01D39/16B4 B01D39/16B4B B01D39/18 B01D46/52F B32B27/12 B32B5/22 B60R13/08 D04H1/42 D04H13/00B2 D04H13/00B4 D04H13/00B5 D06M11/72 D06M13/292 D06M15/643 D21H21/34 G10K11/162 K62C2/06 K62C3/07 L01D239/02B L01D239/02D L01D239/02D4 L01D239/02H L01D239/04B L01D239/04D L01D239/04H L01D239/04N L01D239/04P2 L01D239/06B20 L01D239/06B31 L01D239/06B32 L01D239/06B33 L01D239/06B41 L01D239/06F L01D239/06F10 L01D239/06F40 L01D239/06F50 L01D239/06H L01D239/06H2 L01D239/08D L01D239/12H L01D239/12Y L60R13/08 L60R13/08B L60R13/08B2 L60R13/08C L60R13/08D L60R13/08F P04B1/94

US: 134/6 134/6S 156/279 156/279S 156/60 156/60S 156/71 156/71S 181/208 181/208S 181/284 181/286 181/286S 181/290 181/294 210/767 210/767S 264/119 264/119S 264/126 264/126S 296/146.5 296/146.500P 422/4 422/4S 427/201 427/201S 427/207.1 427/207.100S 427/209 427/209S 427/372.2 427/372.200S 427/407.1 427/407.100S 427/412 427/412S 428/189 428/189S 428/192 428/192S 428/195.1 428/195.100S 428/212 428/212P 428/219 428/219S 428/220 428/220S 428/343 428/85 428/85S 442/1 442/125 442/125S 442/149 442/149S 442/151 442/151S 442/1S 442/247 442/247S 442/268 442/268S 442/271 442/272 442/272 442/277 442/278 442/281 442/283 442/284 442/327 442/327S 442/334 442/334S 442/35 442/35S 442/364 442/364S 442/381 442/381S 442/382 442/382S 442/385 442/387 442/387S 442/389 442/400 442/400S 442/401 442/401S 442/414 442/414S 442/415 442/416 442/417 442/57 442/57S 55/486 55/521 55/521P 55/524 55/524P 55/524S 55/527 55/527P 55/527S 55/528 95/285 95/285P 96/153 96/153S 96/226 96/226S

Family:

Publication number	Publication date	Application number	Application date
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CA2603421 AA	20070928	CA20062603421	20060331
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CA2656493 AA	20081229	CA20072656493	20070702
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PatBase - US2007175195_AH

Patent Application Publication Aug. 2, 2007 Sheet 1 of 14 US 2007/0175195 A1

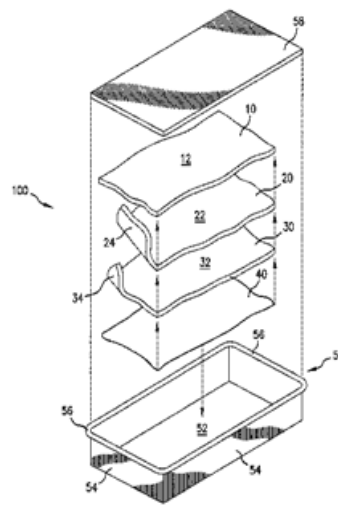


FIG. 1

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WO09012333 A3	20090305	WO2008US70222	20080716

Priority:

US20050667873	20050401	US20050667873P	20050401	US20050729264P	20051021
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Probable Assignee: BUCKEYE TECHNOLOGIES INC

Assignee(s): (std): BOEHMER BRIAN ; GROSS JAMES R ; HURLEY JEFFREY S ; BOEHMER BRIAN E ; GROSS JAMES RICHARD ; HURLEY JEFFREY SCOTT ; BUCKEYE TECHNOLOGIES INC ; BUCKEYE TECHNOLOGIES ; BKI HOLDING CORP ; BUCKEYE TECH INC ; ROBERTS JOHN H ; MOOSE LAURENCE A JR ; SKIRIUS STEPHEN A ; SUNDARA NAMITHA R ; MOOSE RONALD TIMOTHY ; MOOSE RONALD T ; NAMITHA SUNDARA R ; MOOSE JR LAURENCE A

Assignee(s): GEORGIA PACIFIC NONWOVENS LLC ; GEORGIA PACIFIC NONWOVENS LLC ATLANTA ; MOOSE LAURENCE A ; BKI HOLDING CORP900-300 DELAWARE AVENUEWILMINGTONDE19081US ; BANK OF AMERICA NA ; BANK OF AMERICA NA COLLATERAL AGENT AS ; BUCKEYE TECHNOLOGIES INC1001 TILLMAN STREETMEMPHISTN38108-0407US

Inventor(s): (std): BOHEMER BRIAN E ; BRIAN BOEHMER ; BOEHMER BRIAN ; BOEHMER BRIAN E ; GROSS JAMES R ; GROSS JAMES RICHARD ; HURLEY JEFFREY S ; HURLEY JEFFREY SCOTT ; JEFFREY S HURLEY ; MOOSE LAURENCE A JR ; MOOSE RONALD T ; MOOSE RONALD TIMOTHY ; MOOSE RONALD TIMOTHY ; NAMITHA SUNDARA R ; MOOSE JR LAURENCE A ; ROBERTS JOHN H ; SKIRIUS STEPHEN A ; RONALD TIMOTHY MOOSE ; SUNDARA NAMITHA R ; N R SUNDARA ; MOOSE LAURENCE JR ; S A SKIRIUS ; L A MOOSE JR ; B BOEHMER ; J H ROBERTS ; CONROY NAMITHA R

Inventor(s): BOEHMER BRIAN E CARDOVA ; BBOEHMER ; MOOSE RONALD TIMOTHY LAKELAND ; HURLEY JEFFREY S ARDSLEY ; GROSS JAMES R CARDOVA ; JHROBERTS ; NRSUNDARA ; LAURENCE MOOSE JR ; LAMOOSE JR ; SUNDARA NAMITHA RUS ; SASKIRIUS ; SKIRIUS STEPHEN ; SKIRIUS STEPHEN AUS ; STEPHEN A SKIRIUS ; SUNDARA NAMITHA ; ROBERTS JOHN HUS ; MOOSE LAURENCE A ; MOOSE LAURENCE A ; ROBERTS JOHN ; MOOSE LAURENCE A JRUS ; MOOSE LAURENCE AJR ; MOOSE RONALD ; JOHN H ROBERTS ; LAURENCE A MOOSE JR ; JAMES R GROSS ; HURLEY JEFFREY ; BOEHMER BRIANUS ; BRIAN E BOEHMER ; BRIAN E BOHEMER ; GROSS JAMES

Agent(s): BERESKIN AND PARR LLP SENCRL SRL; BERESKIN AND PARR; SMART AND BIGGAR; HOFFMANN EITLE PATENT U RECHTSANWAELTE PARTMBB; HOFFMANN EITLE; BAKER BOTTS LLP; FEHLNER PAUL F ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY 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 YU ZA ZM ZW

Title: **ABSORBENT ARTICLES** HAVING BIODEGRADABLE NONWOVEN WEBS

Abstract: The present disclosure generally relates to **absorbent articles**. More specifically, the present disclosure relates to an **absorbent article** comprising a surge management **layer** comprising a nonwoven web. The nonwoven web includes a filler **fiber** and a binder **fiber**. A portion of the cross-sectional area of the filler **fiber** is hollow, and the binder **fiber** includes a sheath component and a core component.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/53 A61F13/538
B32B27/04 B32B27/12 D04H1/00 D04H1/42 D04H1/435 D04H1/4382
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D04H5/00 (Advanced/Invention);

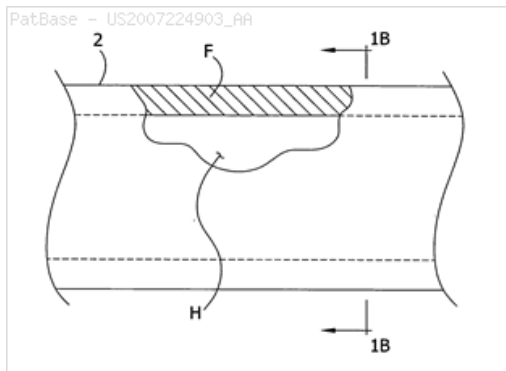
A61F13/15 A61F13/538 (Advanced/Non-invention);
A61F13/15 B32B27/04 B32B27/12 D04H1/00 D04H1/42 D04H1/54
D04H13/00 D04H5/00 (Core/Invention)

International (IPC 1-7): A61F13/15

CPC: Y10T442/2484 Y10T442/60 Y10T442/608 Y10T442/609
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A61F13/15252 A61F13/511 A61F13/537 D04H1/435 D04H1/4382
D04H1/4391 A61F13/53 A61F13/8405 D04H1/54

European: A61F13/15J4 A61F13/511 A61F13/537 D04H1/42
D04H1/54 D04H13/00B5

US: 442/118 442/118S 442/327 442/334 442/334S 442/335 442/338
442/361 442/361P 442/364 442/414 442/414S 604/358



Family:

Publication number	Publication date	Application number	Application date
AU2007228412 AA	20070927	AU20070228412	20070309
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WO07107906 A1	20070927	WO20071B50797	20070309

Priority:

US20060387314 20060323 WO20071B50797 20070309

Probable Assignee: KIMBERLY CLARK CORP

Assignee(s): (std): CHAKRAVARTY JAYANT ; ELLIS CLIFF J ; KIMBERLY CLARK CO ; KIMBERLY CLARK CORP ;
TOPOLKARAEV VASILY A

Assignee(s): KIMBERLY CLARK WORLDWIDE INC

Inventor(s): (std): CHAKRAVARTY JAYANT ; ELLIS CLIFF J ; JAYANT CHAKRAVARTY ; TOPOLKARAEV VASILY A

Inventor(s): VASILY A TOPOLKARAEV ; TOPOLKARAEV VASILY ; CLIFF J ELLIS ; ELLIS CLIFF

Agent(s): FREEHILLS PATENT AND TRADE MARK ATTORNEYS; SPRUSON AND FERGUSON; FREEHILLS PATENT
ATTORNEYS; HERBERT SMITH FREEHILLS; FREEHILLS PATENT ATTORNEY S; ZIMMERMANN AND
PARTNER; SENNIGER POWERS (KCC); SENNIGER POWERS KCC; ARMSTRONG TEASDALE LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ
DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT
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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: USE OF A LOTION COMPOSITION ON AN **ABSORBENT ARTICLE** FOR REDUCING ADHERENCE OF FECES OR MENSES TO THE **SKIN**

Abstract: The present invention relates to lotion compositions comprised on a body facing surface of an **absorbent article** such as a diaper, training pants or adult incontinence **product**. The lotion composition reduces the adherence of feces or menses to the human **skin**. The lotion composition comprises at least two compounds wherein one first compound is liquid at 25 degrees centigrade and at least one second component which is solid at 25 degrees centigrade. An effective amount of the lotion composition is comprised on a body facing surface of an **absorbent article** which is intended to be worn by a wearer.

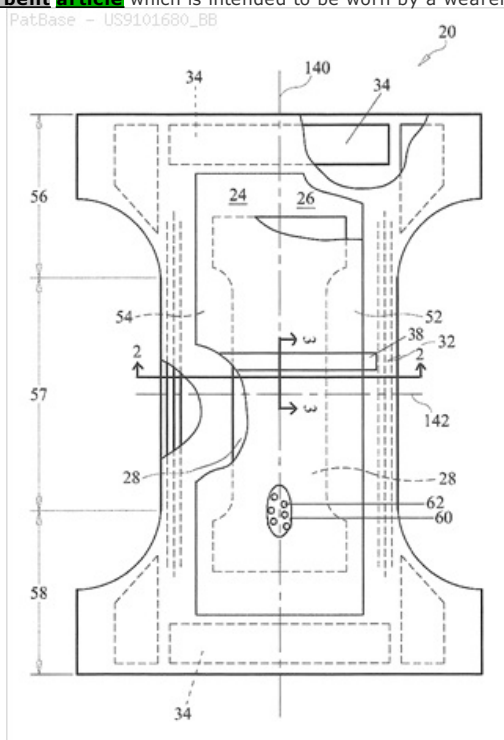
Classifications:

International (IPC 8-9): A61F13/15 A61F13/20 A61F13/42 A61F13/472 A61F13/49 A61F13/494 A61F13/51 A61F13/511 A61F13/84 A61K31/215 A61K31/765 A61K8/30 A61L15/16 A61L15/20 A61L15/26 A61L15/34 A61L15/44 A61L15/50 A61L15/56 A61P43/00 A61Q19/10 (Advanced/Invention); A61F13/15 A61F13/42 A61K31/21 A61K31/74 A61L15/16 A61P43/00 (Core/Invention)

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European: A61K8/02C A61K8/86 A61L15/16 A61L15/50 A61Q17/00

US: 1/1 424/402 424/78.31 514/546 604/359 604/361 604/364 604/367 604/378 604/385.01 604/385.010P 604/385.06 604/385.13 604/385.23 604/385.24 604/385.28



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Publication number	Publication date	Application number	Application date
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Priority:

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WO2008IB51924	20080515	WO2008IB51921	20080515	US20080121375	20080515
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Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): ROSATI RODRIGO ; ROE DONALD CARROLL ; KLOFTA THOMAS JAMES ; MARSH RANDALL GLENN ; MARTYNUS CORNELIA BEATE ; PONOMARENKO EKATERINA ANATOLYEVNA ; PROCTER AND GAMBLE ; VEGA VICTOR NICHOLAS ; WISE BRANDON ELLIS ; THORNTON MARK ANDREW ; WATSON RANDALL ALAN

Assignee(s): PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY ; PROCTER AND GAMBLE COMPANY THE ; PROCTER AND GAMBLE COMPANY ; PROCTER AND GAMBLE COWORLD SHAVING H.Q/IP/LEGAL PATENT DEPT. - 3EONE GILLETTE PARKBOSTONMA02127US ; PROCTER AND GAMBLE COONE PROCTER & GAMBLE PLAZACINCINNATIOH45202US ; PROCTER AND GAMBLE COWORLD SHAVING HEADQUARTERSIP/LEGAL PATENT DEPARTMENT - 3EONE GILLETTE PARKBOSTONMA02127US ; PROCTER AND GAMBLE CO CINCINNATI

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Inventor(s): WATSON RANDALL ALAN LOVELAND ; WATSON RANDALL ALANUS ; WISE BRANDON ELLIS CINCINNATI ; WISE BRANDON ELLISUS ; VEGA VICTOR NICHOLAS CINCINNATI ; VEGA VICTOR NICHOLASUS ; VICTOR NICHOLAS VEGA ; ROSATI RODRIGO 60486 ; ROSATI RODRIGODE ; THOMAS JAMES KLOFTA ; ROE DONALD CARROLL WEST CHESTER ; ROE DONALD CARROLLUS ; RANDALL GLENN MARSH HAMILTON ; MARTYNUS CORNELIA BEATE 61130 NIDDERAU OSTHEIM ; MARTYNUS CORNELIA BEATEDE ; RANDALL ALAN WATSON ; MARTYNUS CORNELIA BEAT 61130 ; MARSH RANDALL GLENNUS ; KLOFTA THOMAS JAMES CINCINNATI ; KLOFTA THOMAS JAMESUS ; MARK ANDREW THORNTON ; CORNELIA BEATE MARTYNUS ; DONALD CARROLL ROE ; EKATERINA ANATOLYEVNA PONOMARENKO ; BRANDON ELLIS WISE

Agent(s): WILSON LUE LLP; DIMOCK STRATTON LLP; MCGREGOR JUDIT ESTER; KREMER VERONIQUE MARIE JOSEPHINE; HEIDE UTE; NAGAI HIROSHI; THE PROCTER AND GAMBLE COMPANY, GLOBAL LEGAL DEPARTMENT - IP; PROCTER AND GAMBLE CO GLOBAL LEGAL DEPARTMENT IP; RICHARD L; AMY M; LAURA L; 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 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: REGIONALIZED TOPSHEET

Abstract: An **absorbent article** having a liquid **pervious** topsheet having a first portion and a second portion. The first portion differs in structure from the second portion. The topsheet has a longitudinal centerline and a transverse centerline. The second portion has a first structurally modified zone and a second structurally modified zone. The first structurally modified zone and the second structurally modified zone are on opposing **sides** of the longitudinal centerline and the first structurally modified zone and the second structurally modified zone are on opposing **sides** of an axis parallel to the transverse centerline. The first structurally modified zone and the second structurally modified zone are spaced apart from one another. The first structurally modified zone and the second structurally modified zone together make up more than about 10 percent of the area of the topsheet.

Classifications:

International (IPC 8-9): A61F A61F13/15 A61F13/20 A61F13/42 A61F13/45 A61F13/47 A61F13/472 A61F13/49 A61F13/511 A61F13/512 A61F13/513 A61F13/514 A61F13/53 A61F13/84 B32B27/12 B32B3/28 B32B3/30 B32B37/02 B32B37/14 B32B37/20 B32B37/22 B32B38/00 B32B38/04 B32B38/06 B32B38/10 B32B38/14 B32B5/00 B32B5/02 B32B5/08 B32B5/14 B32B5/22 B32B5/26 B41F33/00 B41J11/70 B41M3/00 B41M5/00 D04H1/4374 D04H1/4382 (Advanced/Invention);

A61F13/511 A61F13/53 A61F13/84 B29C65/48 B32B27/12 B32B38/04 B32B5/18 B41M3/00 (Advanced/Non-invention);

A61F13/15 B41F33/00 (Core/Invention);

A61F (Subclass/Invention)

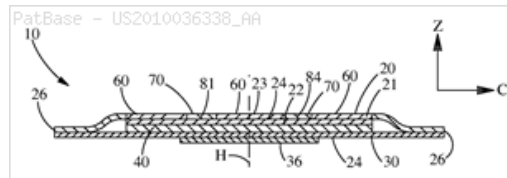
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European: A61F13/15J A61F13/511 A61F13/512 A61F13/513B A61F13/513L A61F13/514D A61F13/84 B32B27/12 B32B38/06 B32B38/14A B32B5/00 C07D249/08 C07D249/12 C07D249/14 C07D401/04 C07D401/10 C07D401/14 C07D403/08 C07D403/10 C07D403/12 C07D403/14 C07D405/04 C07D405/10 C07D409/04 C07D409/12 D04H1/4374 D04H1/4382 K61F13/15J3 L32B305/20 L32B555/00 L32B555/02 L41M3/00R

US: 1/1 101/483 101/483S 156/250 156/263 156/277 156/277S 156/290 156/297 162/134 162/137 347/101 604/358

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**Family:**

Publication number	Publication date	Application number	Application date
AR072989 AA	20101006	AR2009P103045	20090807
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BR112013008338 A2	20160614	BR20131108338	20111019
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Priority:

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Probable Assignee: PROCTER AND GAMBLE CO

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Assignee(s): GAMBLE CO PROCTER AND ; DZE PROKTER EHND GEHMBL KOMPANI ; PROCTER AND GAMBLE CO ; PROCTER AND GAMBLE COWORLD SHAVING HEADQUARTERSIP/LEGAL PATENT DEPARTMENT - 3EONE GILLETTE PARKBOSTONMA02127US ; PROCTER AND GAMBLE CO CINCINNATI ; THE PROCTER AND GAMBLE COMPANY

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Title: PROCESS FOR MAKING AN **ABSORBENT ARTICLE** COMPRISING A TOPSHEET/ACQUISITION **LAYER** LAMINATE

Abstract: A process of making an **absorbent article** comprising the steps of providing a liquid **permeable** topsheet web extending substantially continuously in a machine direction, the topsheet web having a first and second surface, a liquid impermeable backsheet web extending substantially continuously in the machine direction and an acquisition **layer** having a first and second surface. The topsheet web and the acquisition **layer** comprise **fibers**. The process comprises the step of aligning the topsheet web and the acquisition **layer** in a face to face relationship such that the second surface of the topsheet web is in contact with the first surface of the acquisition **layer**. The process comprises the step of simultaneously mechanically deforming and combining the topsheet web together with the acquisition **layer** to provide a topsheet/acquisition **layer** laminate web having three-dimensional protrusions.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/42 A61F13/45 A61F13/49 A61F13/494 A61F13/51 A61F13/511 A61F13/512 A61F13/513 A61F13/515 A61F13/53 A61F13/531 A61F13/532 A61F13/534 A61F13/535 A61F13/536 A61F13/537 A61F13/538 A61F13/539 A61F13/551 A61F13/62 A61F13/84 B29C65/00 B32B23/02 B32B23/10 B32B27/02 B32B27/12 B32B27/32 B32B27/36 B32B3/28 B32B3/30 B32B38/04 B32B38/06 B32B5/02 B32B5/06 B32B5/08 B32B5/14 B32B5/22 B32B5/26 B32B7/04 B32B9/02 B32B9/04 D04H1/00 D04H1/4374 D04H1/44 D04H1/45 D04H1/492 D04H1/495 D04H1/54 D04H1/558 D04H1/559 D04H1/70 D04H1/74 D04H1/76 D04H1/08 D04H13/00 D06C23/04 (Advanced/Invention);

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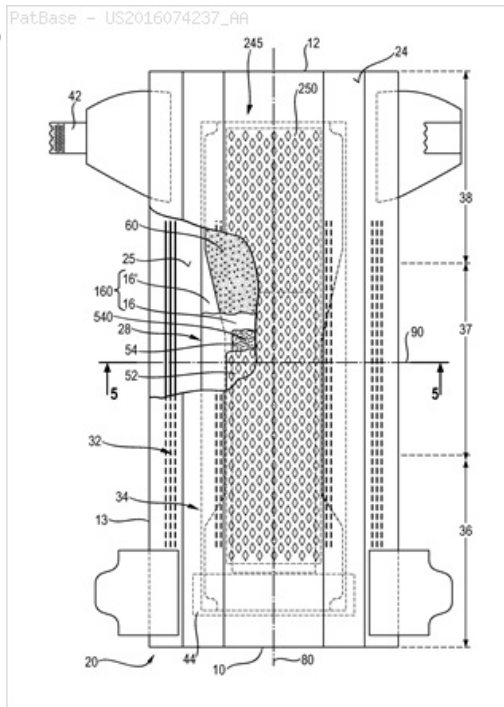
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