

Search query (2): [SP]: 1. an absorbent article comprising: a longitudinally extending axis a transversely extending axis a top surface a cover layer a barrier layer an absorbent core arranged between the cover layer and the barrier layer a plurality of colored portions, each of the colored portions having a color that is the same as all of the other colored portions and a plurality of non-colored portions wherein the plurality of colored portions and the plurality of non-colored portions are arranged to create a perception of depth within the absorbent article by a user looking upon the top surface of the absorbent article. 2. the absorbent article according to claim 1, wherein each of the non-colored portions has a color that is the same as all of the other non-colored portions 3. the absorbent article according to claim 2, wherein each of the colored portions has deltae* relative to all of the other colored portions of less than 2. 4. the absorbent article according to claim 3, wherein each of the non-colored portions has deltae* relative to all of the other non-colored portions of less than 2. 5. the absorbent article according to claim 4, wherein a deltae* between each of the colored portions and each of the non-colored portions is at least 3.5. 6. the absorbent article according to claim 1, wherein the plurality of colored portions includes a central colored portion and plurality of colored rings that surround the central colored portion. 7. the absorbent article according to claim 6, wherein each of the colored rings is spaced from a previous ring by one of the non-colored portions. 8. the absorbent article according to claim 7, wherein the colored rings are arranged such that they radiate outward from the central colored portion. 9. the absorbent article according to claim 8, wherein a first ring of the plurality of colored rings completely surrounds the central colored portion. 10. the absorbent article according to claim 9, wherein each colored ring is larger than a previous ring. 11. the absorbent article according to claim 10, wherein each colored ring entirely surrounds a previous colored ring. 12. the absorbent article according to claim 1, wherein the colored portions extend over a surface area of between about 8.8 percent and about 18.4 percent of a total surface area of the napkin 13. the absorbent article according to claim 13, wherein the non-colored portions extend over a surface area of between about 81.6 percent and about 91.2 percent of a total surface area of the napkin 14. the absorbent article according to claim 1, wherein the plurality of non-colored portions and plurality of colored portions are concentrically arranged such that they radiate outward from substantially a center of the absorbent article.

Results: 22

1) Family number: 48238029 (US2011028929A)

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Title: ABSORBENT PRODUCTS WITH BENEFICIAL INDICIA

Abstract: A system for visually identifying the performance level of feminine care pads comprises a first feminine care pad and a second feminine care pad, each having a body-facing surface, a garment-facing surface, and a printed pattern that is visible to a user on at least one of the body-facing surface or the garment-facing surface. The first feminine care pad and the second feminine care pad are related. The second feminine care pad has a higher absorbent capacity level than the first feminine care pad. In addition, the total printed surface area of the printed pattern of the second feminine care pad is greater than the total printed surface area of the printed pattern of the first feminine care pad.

Classifications:

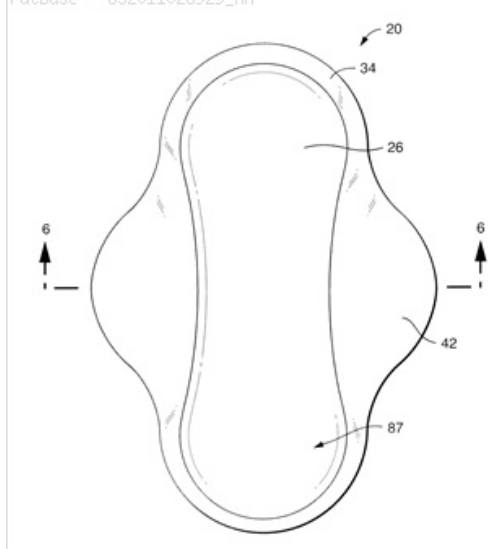
International (ipc 8-9): A61F13/15 A61F13/45 A61F13/472
A61F13/475 A61F13/511 A61F13/512 A61F13/53 (Advanced/Invention)

CPC: A61F13/5514 A61F13/51496 A61F13/51394 A61F13/84

European: A61F13/513L A61F13/514D A61F13/84

US: 604/383 604/383P 604/385.02 604/385.020S 604/385.03
604/385.030S

PatBase - US2011028929_AA



Family:

Publication number	Publication date	Application number	Application date
US2011028929 AA	20110203	US20090645975	20091223
WO11015956 A2	20110210	WO20101B52999	20100630
WO11015956 A3	20110630	WO20101B52999	20100630

Priority:

US20090230915P 20090803 US20090645975 20091223

Probable Assignee: KIMBERLY CLARK CORP

Assignee(s): (std): BOLAND KATIE ANN ; HOPKINS HEIDI BAUERLEIN ; KIMBERLY CLARK CO ; LOYD ADRIENNE RAE ; SULLIVAN SUZANNE K

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

Inventor(s): (std): BOLAND KATIE ANN ; HOPKINS HEIDI BAUERLEIN ; LOYD ADRIENNE RAE ; SULLIVAN SUZANNE K

Agent(s): KIMBERLY CLARK WORLDWIDE INC TARA POHLKOTTE; ARTEMAN DAVID J 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 CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

2) Family number: 33430033 (US2006224133A)

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Title: BODY ATTACHABLE SANITARY PROTECTION ARTICLE INCLUDING TACTILE PLACEMENT AID

Abstract: An absorbent article including a liquid pervious cover, a liquid impermeable barrier, a body facing surface, a garment facing surface, an adhesive for securing the article to the body arranged on the body facing surface, and atactile placement aid that is tactilely perceptible to a user from the garment facing surface of the article.

Classifications:

International (ipc 8-9): A61F13/00 A61F13/15 A61F13/47 A61F13/51 A61F13/56 A61F13/58 A61F13/82 A61F13/84 A61L15/16 (Advanced/Invention); A61F13/56 (Advanced/Non-invention); A61F13/00 A61F13/15 A61L15/16 (Core/Invention); A61F A61L (Subclass/Invention)

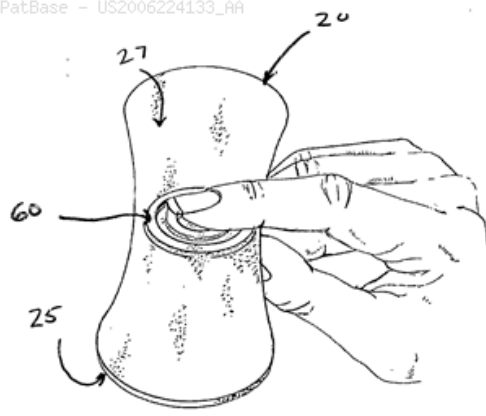
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European: A61F13/82 A61F13/84 K61F13/84G

US: 604/385.01 604/385.010S 604/385.03 604/385.030P

PatBase - US2006224133_AA



Family:

Publication number	Publication date	Application number	Application date
AR056297 AA	20071003	AR2006P101301	20060331
AU2006201329 AA	20061019	AU20060201329	20060330
AU2006201329 BB	20111103	AU20060201329	20060330
BRPI0601327 A	20061205	BR2006PI01327	20060331
CA2541409 AA	20060930	CA20062541409	20060330
CN1846658 A	20061018	CN200610073375	20060331
CN1846658 B	20110518	CN200610073375	20060331
CO5770091 A1	20070629	CO20060031934	20060331
CO5770091 U1	20070629	CO20060031934U	20060331
DE602006002413 D1	20081009	DE200660002413T	20060330
EP1707172 A1	20061004	EP20060251759	20060330
EP1707172 B1	20080827	EP20060251759	20060330
IN00288KO2006 A	20070824	IN2006KO00288	20060330
KR20060105678 A	20061011	KR20060029851	20060331
MXPA06003681 A1	20070323	MX2006PA03681	20060331
PH2006000189 A	20071112	PH20060000189	20060331
RU2006110350 A	20071010	RU20060110350	20060330
US2006224133 AA	20061005	US20050096086	20050331
US2008015535 AA	20080117	US20070769157	20070627
ZA200602643 A	20080430	ZA20060002643	20060330

Priority:

US20050096086 20050331 CA20062541409 20060330 US20070769157 20070627

Probable Assignee: MCNEIL PPC INC

Assignee(s): (std): GANNON ELAINE M ; JOHNSON AND JOHNSON ; JOSEPH ANNEMARIE D ; MCNEIL PPC INC ; MOSCHEROSCH H M ; MOSCHEROSH H M

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Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; SMART AND BIGGAR; JIMENA ESCOBAR URIBE; MERCER CHRISTOPHER PAUL ET AL; PHILIP S JOHNSON JOHNSON AND JOHNSON

Designated states: CZ DE FR GB IT NL

3) Family number: 48843045 (US2012277711A)

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Title: ABSORBENT ARTICLE WITH ANNULAR ABSORBENT MEMBER

Abstract: An absorbent article with an annular absorbent member. The absorbent article has a liquid-permeable top sheet, a liquid-impermeable back sheet, an annular absorbent member and a second absorbent member. The annular absorbent member is disposed between the top sheet and the back sheet. The annular absorbent member absorbs and retains a liquid passing through the top sheet. The annular absorbent member defines an aperture in a central portion thereof. The second absorbent member is disposed between the annular absorbent member and the back sheet. The second absorbent member has a visible area aligned with a position of the aperture of the annular absorbent member.

Classifications:

International (ipc 8-9): A61F13/47 A61F13/472 A61F13/475 A61F13/494 A61F13/53 A61F13/535 A61F13/536 A61F13/537 A61L15/20 (Advanced/Invention); A61F13/494 (Core/Non-invention)

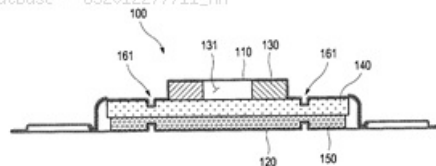
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CPC: A61F2013/530445 A61F2013/8497 A61F13/535 A61F13/4756 A61F13/536 A61F13/5376

European: A61F13/475A3 A61F13/535 A61F13/536

US: 1/1 604/374 604/378 604/383

PatBase - US2012277711_AA



Family:

Publication number	Publication date	Application number	Application date
AR078834 AA	20111207	AR2010P104000	20101029
AU2010313991 AA	20110505	AU20100313991	20101029
AU2010313991 BB	20150521	AU20100313991	20101029
AU2015101111 AD	20150924	AU20150101111	20150814
CN102596139 A	20120718	CN201080049195	20101029
CN102596139 B	20150819	CN201080049195	20101029
GB201208436 A0	20120627	GB20120008436	20101029
GB2487173 A1	20120711	GB20120008436	20101029
GB2487173 B2	20140101	GB20120008436	20101029
KR101651675 B1	20160829	KR20090104382	20091030
KR20110047663 A	20110509	KR20090104382	20091030
MX2012004828 A1	20120529	MX20120004828	20101029
MX339312 B	20160519	MX20120004828	20101029
RU2012122005 A	20131210	RU20120122005	20101029
RU2555661 C2	20150710	RU20120122005	20101029
TW201127352 A	20110816	TW20100136663	20101027
TWI546061 B	20160821	TW20100136663	20101027
US2012277711 AA	20121101	US20100504948	20101029
US9066837 BB	20150630	US20100504948	20101029
WO11053044 A2	20110505	WO2010KR07528	20101029
WO11053044 A3	20111020	WO2010KR07528	20101029

Priority:

KR20090104382 20091030 AU20100313991 20101029 WO2010KR07528 20101029
AU20150101111 20150814

Probable Assignee: YUHAN KIMBERLY LTD

Assignee(s): (std): JUKHAN KIMBERLI LTD ; KANG EUN JUNG ; KIM HYONG BOM ; KIMBERLY CLARK CO ; ROH SEONG DAE ; YUHAN KIMBERLY LTD ; PARK HYUNG WOO

Assignee(s): KIMBERLY CLARK WORLDWIDE INC ; YUHAN KIMBERLY LIMITED

Inventor(s): (std): WOO PARK HYUNG ; BOM KIM HYONG ; JUNG KANG EUN ; DAE ROH SEONG ; KIM KHIONG BOM ; KANG EUN DZHUNG ; PARK KHIJUNG VU ; ROKH SEONG DAEH ; KIM HYUNG BOM ; PARK HYUNG WOO ; KANG EUN JUNG ; KIM HYONG BOM ; ROH SEONG DAE

Inventor(s): HYUNG WOO PARK ; EUN JUNG KANG ; SEONG DAE ROH ; HYONG BOM KIM

Agent(s): SPRUSON AND FERGUSON; DORITY AND MANNING PA; CHANG SOO KIL 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 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 KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

4) Family number: 28095060 (US2001031358A)

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Title: SOFT, STRONG, ABSORBENT MATERIAL FOR USE IN ABSORBENT ARTICLES

Abstract: An absorbent material that can be used as an absorbent core in absorbent articles such as disposable diapers, feminine hygiene products and incontinence devices is provided. An absorbent material of this invention contains cellulosic fibers at least a portion of which cellulosic fibers have a relative crystallinity of less than about 65 percent. The absorbent material has superior absorptive, strength, and suppleness properties when compared to existing core materials. The material can be air-laid in one or more layers.

Classifications:

International (ipc 8-9): A61F13/00 A61F13/15 A61F13/49 A61F13/53 A61F5/44 A61L15/00 A61L15/28 A61L15/42 A63H3/46 B32B5/00 D04H1/04 D04H1/40 D04H1/42 D04H1/70 D04H13/00 D06M11/00 D06M13/00 D06M23/00 D06P3/60 D21C3/02 (Advanced/Invention); A61F13/00 A61F5/44 D04H1/70 D06M11/00 (Advanced/Non-invention); A61F13/00 A61F13/15 A61F5/44 A61L15/16 B32B5/00 D04H1/00 D04H1/40 D04H1/42 D04H1/70 D04H13/00 (Core/Invention); A63H D06M D06P D21C (Subclass/Invention)

International (ipc 1-7): A61F13/00 A61F13/15 A61F13/49 A61F13/53 A61F5/44 A61L15/00 A61L15/22 A61L15/42 A63H3/46 B27N3/04 B32B1/00 B32B21/02 B32B21/10 B32B23/00 B32B5/00 B32B7/02 D02G3/00 D04H1/04 D04H1/40 D04H1/70 D06M11/00 D06M13/00 D06M23/00 D06P3/60 D21C3/02 D21H13/02

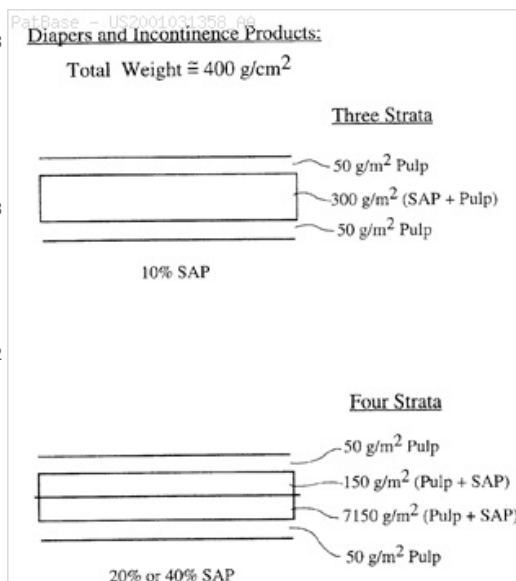
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European: A61F13/15J A61F13/15M3C A61F13/15M3D A61F13/15M3G A61F13/15M5 A61F13/53 A61F13/531 A61F13/534 A61L15/28 A61L15/42 D04H1/70 D04H13/00B2 K61F13/15A6 K61F13/15J8A K61F13/15J8C K61F13/15J8E K61F13/15J8H K61F13/53L K61F13/53Q1 K61F13/53Q6

US: 162/146 162/157.6 162/164.1 264/112 264/112S 264/121 264/121S 264/122 264/122P 264/51 264/510 264/510S 264/518 264/518S 428/124 428/219 428/219S 428/393 428/393P 428/913 442/381 442/385 442/385S 442/393 442/412 442/413 442/417

Family:

Publication number	Publication date	Application number	Application date
AR015569 AA	20010516	AR1998P100192	19980116
AR019353 AA	20020213	AR1999P103333	19990708



AT263262 E	20040415	AT19980904557T	19980115
AU199862404 A1	19980807	AU19980062404	19980115
AU200069087 A1	20010410	AU20000069087	20000815
AU200069087 A5	20010410	AU20000069087	20000815
BRPI0014164 A	20020507	BR2000PI14164	20000815
BRPI9806960 A	20000321	BR1998PI06960	19980115
BRPI9806960 B1	20081118	BR1998PI06960	19980115
CA2384508 AA	20020219	CA20002384508	20000815
CN1143015 C	20040324	CN19988003406	19980115
CN1177090 C	20041124	CN20008015375	20000815
CN1250495 A	20000412	CN19988003406	19980115
CN1387592 A	20021225	CN20008015375	20000815
CN1545992 A	20041117	CN200410045954	20000815
DE69822789 D1	20040506	DE19986022789	19980115
DE69822789 D1	20040506	DE19986022789T	19980115
DE69822789 T2	20050310	DE19986022789T	19980115
DK0953075 T3	20040719	DK19980904557T	19980115
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EP1268914 A1	20030102	EP20000957474	20000815
EP1408147 A2	20040414	EP20030029837	19980115
EP1408147 A3	20041222	EP20030029837	19980115
ES2221149 T3	20041216	ES19980904557T	19980115
IL148199 A0	20020912	IL20000148199	20000815
JP2001508843 T2	20010703	JP19980534479T	19980115
JP2003508647 T2	20030304	JP20010521826T	20000815
JP2004255203 A2	20040916	JP20040125308	20040421
KR20000070235 A	20001125	KR19997006462	19980115
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US5866242 A	19990202	US19970784536	19970117
US5916670 A	19990629	US19970948987	19971010
US6485667 BA	20021126	US19990390018	19990903
WO0118302 A1	20010315	WO2000US22405	20000815
WO9831858 A2	19980723	WO1998US00639	19980115
WO9831858 A3	19980911	WO1998US00639	19980115
ZA200201480 A	20030521	ZA20020001480	20020221

Priority:

US19970784536	19970117	US19970948987	19971010	EP19980904557	19980115
WO1998US00639	19980115	US19990341340	19990708	US19990390018	19990903
US20000633019	20000804	WO2000US22405	20000815	US20010829133	20010409
US20030396305	20030325				

Probable Assignee: EAM CORP

Assignee(s): (std):	EAM CORP ; RAYONIER INC ; RAYONIER PRODUCTS AND FINANCIAL ; TAN EROL ; ABITZ PETER R ; CHINAI KAYS ; RAYONIER PRODUCTS AND FINANCIAL SERVICES CO ; RAYONIER PROD AND FNCL SERV CO
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Inventor(s): (std):	CHINAI KAYS ; TAN E ; ABITZ P R ; CHINAI K ; RANGACHARI KRISHNAKUMAR ; TAN EROL ; HARLEN STEVEN SCOTT ; SUMNER KIMBERLY W ; VARNEY DAVID S ; ABITZ PETER R ; VARNEY DAVIS S ; KRISHNAKUMAR RANGACHARI ; TAN EROL HARLEN STEVEN SCOTT R ; ABITZ R ; STEVEN SCOTT HARLEN ; EROL TAN ; KIMBERLY W SUMNER ; DAVIS S VARNEY ; RANGACHAIR K ; HARLEN S S
Inventor(s):	TAN EROL HARLEN STEVEN SCOTT RANGACHARI KRISHNAKUM ; DAVID S VARNEY ; S S HARLEN ; TAN EROL HARLEN STEVEN SCOTT RANGACHARI ; PETER R. ABITZ ; TAN EROL HARLEN STEVEN SCOTT RANGACHARI KRISHNAKUMAR SUMNER KIMBERLY W ; KAYS CHINAI ; PR ABITZ ; E TAN ; P R ABITZ ; K CHINAI ; K RANGACHAIR ; SS HARLEN
Agent(s):	FETHERSTONHAUGH AND CO
Designated states:	AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

5) Family number: 22420066 (US3003388A)

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Title: COLOR DIFFERENCE MEASURING INSTRUMENT

Abstract: (Claim 1) 1.Acu10rmcf.c1'cump1'islngl1ghtlUurce, aplunlity of light-responsive photoelectric oells, a load resistor con' nected in series with each celi respectively, means for directinglightfromsaidwurce tuaspecimentobemeunured and from said specimen toward said cells, lightdiusing means between said specimen and said cells, a plurality of separate filter means individual to said cells respectively and arranged to Hlter said difuscd light reaching said cells i:n a plurality of spectral bands so selected as to produce electrical voltage rcsponses across _:loadresistnrsoft h:re|pcctiveeelIsc01'nMpondingt0 33 degrees Q5i53_3 ' ' IO the liscctnlrespunne functions of f.h='1111m=m-eye; ch\;uit'm€B115.f9vI' indimiing amd meaquring the loaddef sinnr voltage respomc and the diiei-ences in voltage responsc of the mspemive cells arranged to prqduce an :leaf

tri:-,al output directly related respectively to the lighmqss L, thc red-grcennes a, and the yellow-blusness in I91Pted tuCIeIj1l|minpn|:C,X,Y,a.ndZbyt'Erei5o]lowin,g ' L=1fss ' _ , - _ _a=115Y""(1.02X-Y] _ 5=70Y""ss(Y-U.S47Z) A , - ` separate scale: for indicating 1116 electrical values coen'e~ sponding :mqscclively tn L, a and b, and two _a_l;Hustab].e rcistanceameamrspcdvalyintheacirantandtheb circuit for electrically standardizing the response cf said photoclls without mzchnnicai adjustment.

Classifications:

International (ipc 8-9): G01J3/51 (Advanced/Invention);

G01J3/46 (Advanced/Non-invention);

G01J3/51 (Core/Invention);

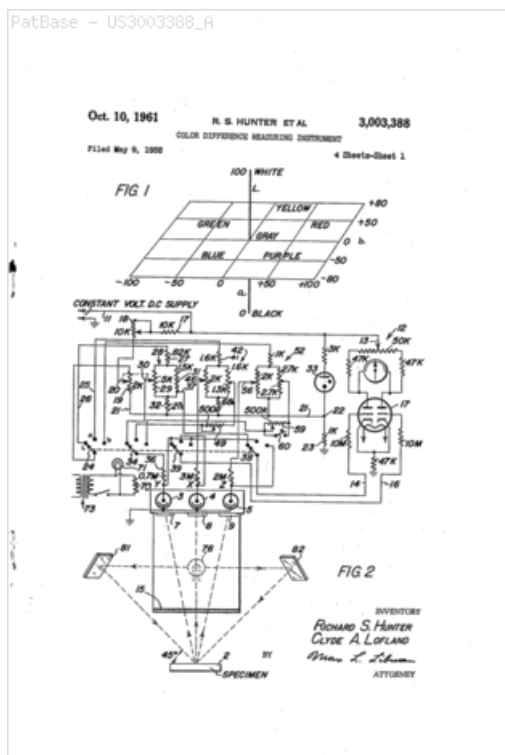
G01J3/46 (Core/Non-invention)

International (ipc 1-7): G01J3/50

CPC: G01J3/51 G01J3/513 G01J2003/466 G01J3/465

European: G01J3/51 G01J3/51A S01J3/46E S01J3/46G

US: 250/214.00R 250/214R 250/226 356/405



Family:

Publication number	Publication date	Application number	Application date
US3003388 A	19611010	US19580734132	19580509

Priority:

US19580734132 19580509

Probable Assignee:

HUNTER ASSOCIATES LAB INC

Assignee(s): (std):

HUNTER ASSOCIATES LAB INC

Assignee(s):

HUNTER ASSOCIATES LABORATORY INC

Inventor(s): (std):

LOFLAND CLYDE A ; HUNTER RICHARD S

6) Family number: 44340090 (US2010036338A)

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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 A61F13/00 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 B32B37/00 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 G06F15/16 G06F17/21

G06F17/30 G06F3/00 G06F9/46 G06F9/54 G06N5/04 (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)

International (ipc 1-7): A61F13/15

CPC: A61F13/472 A61F13/512 B32B5/00 B41M3/008 D04H1/4382 B32B38/0004 D04H1/4374 A61F13/15203 A61F13/51305

A61F13/51104 A61F13/5121 A61F2013/51165 Y10T156/1084 A61F13/51121 A61F13/15764 A61F13/15739 B41J11/70

B32B37/20 Y10T156/1075 Y10T156/13 Y10T156/1322 A61F13/51394 A61F13/51496 A61F2013/15243 B32B3/28 B32B3/30

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Y10T156/1052 Y10T156/1074 Y10T156/1089 B32B5/022 B32B5/024 B32B5/08 B32B5/22 B32B5/26 B32B2262/02

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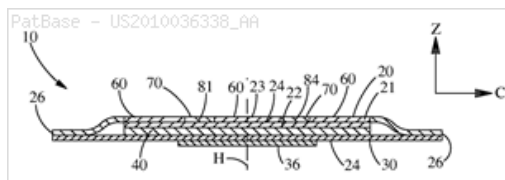
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C07D403/10 C07D403/12 C07D403/14 C07D405/04 C07D405/10 C07D409/04 C07D409/12 D04H1/4374 D04H1/4382

G06F17/30S4P8T 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 156/290 156/297 162/134 162/137 347/101 604/358 604/367 604/367P 604/378 604/378P 604/378S 604/379 604/382 604/383 604/384 604/385.01 604/385.010P 604/385.010S 604/385.101 604/385.11 604/385.23 604/385.230S 707/751 709/231 709/231S 718/102 718/102P 719/318 719/318S

Family:

Publication number	Publication date	Application number	Application date
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BR112013008338 A2	20160614	BR20131108338	20111019
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CA2733535 C	20141118	CA20092733535	20090806
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IN03317DN2013 A	20141114	IN2013DN03317	20130415
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Priority:

US20080188598	20080808	US20080188543	20080808	US20090415150	20090331
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Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): GONZALEZ LUIS VALERIO ; GONZALEZ LUISA VALERIO ; HAMMONS JOHN LEE ; LARSON SIGNE CHRISTINA ; HOOD LISA JUNE ; OETJEN DAVID CHRISTOPHER ; IBM ; ETZION OPHER ZVI ; FUCHS SYBILLE ; NTERNATIONAL BUSINESS MACHINES CORP ; PROCTER AND GAMBLE ; WASSERKRUG SEGEV ELIEZER

Assignee(s): 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 ; GAMBLE CO PROCTER AND ; INT BUSINESS MACHINES CORP ; INT BUSINESS MASCHINES CORP ; INTERNATL BUSINESS MACH CORP

Inventor(s): (std): WASSERKRUG SEGEV ELIEZER ; SEGEV WASSERKRUG ELIEZER ; OPHER ETZION ZVI ; ETZION OPHER ZVI ; WASSERKRUG ELIEZER SEGEV ; ETZION ZVI OPHER ; ETZION OPHER ; GONZALEZ LUIS VALERIO ; LARSON SIGNE CHRISTINA ; HOOD LISA JUNE ; OETJEN DAVID CHRISTOPHER ; LUISA VALERIO GONZALEZ ; HAMMON JOHN LEE ; FUSH SIBILL ; KHAMMONS DZHON LI ; VALERIO GONZALEZ LUIS ; LEE HAMMONS JOHN ; SYBILLE FUCHS ; VALERIO GONZALEZ LUISA ; JOHN LEE HAMMONS ; HAMMONS JOHN LEE ; GONZALEZ LUISA VALERIO ; FUCHS SYBILLE ; GONZALEZ LUISA ; HAMMONS JOHN

Inventor(s): CHIMMANAMANDA, DINESH U. ; SONG, MINGHU ; YING, WEIWEN ; SCHWEIZER, STEFAN ; CHAE, JUNGHYUN ; ZHANG, SHIJIE ; BURLISON, JOSEPH A. ; LUIS VALERIO GONZALEZ ; DAVID CHRISTOPHER OETJEN ; OETJEN DAVID CHRISTOPHER WEST CHESTER ; GONZALEZ LUISA VALERIOUS ; FUCHS SYBILLEDE ; HAMMONS JOHN LEEUS

Agent(s): PHILLIPS JOSEPHINE FITZPATRICK ; MBM INTELLECTUAL PROPERTY LAW LLP ; KREMER VERONIQUE MARIE JOSEPHINE ; BORBACH MARKUS ; DE ELZABURU ALBERTO ; REINHOLD COHN AND PARTNERS ; NAGAI HIROSHI ; THE PROCTER AND GAMBLE COMPANY, GLOBAL LEGAL DEPARTMENT - IP ; PROCTER AND GAMBLE CO GLOBAL LEGAL DEPARTMENT IP ; ANDREW J ; GARY J ; MEGAN C ; GEORGE H ; LEAL GEORGE H ; THE PROCTER AND GAMBLE COMPANY ; EILEEN HUGHETT L ; PROCTER AND GAMBLE CO

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT 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

7) Family number: 65708128 (WO17082834A1)

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Title: SINGLE COLOR SHADE EFFECT

Abstract: The present invention is about a feminine hygiene article comprising a topsheet, a backsheet, an acquisition layer and a core layer. The core layer defines a core area between topsheet and backsheet which is completely covered by the topsheet. The acquisition layer is placed on the core layer and covers 65-85 percent of the core layer. The core layer of the feminine hygiene article is printed with a color which is different than white wherein, the printed pattern is visible through the facing side of the topsheet. At least 90 percent of the core layer has colored portion which is underneath the topsheet layer and at least 65-85 percent of the colored portion is underneath the acquisition layer and topsheet layer. In the present invention single coloring agent is applied on the upper surface of the core layer and different Lssassbss value of the colored portion is obtained when measured from the viewing surface of the topsheet. The color difference of the portions of the printing which are located under the topsheet and acquisition layer and only topsheet layer provides a shade effect. This in

term creates a perception of depth within the absorbent article by a user looking upon the viewing surface of the topsheet.

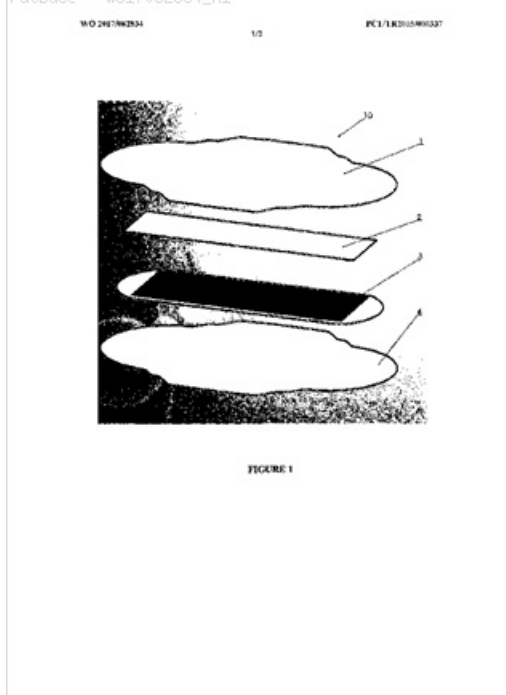
Classifications:

International (IPC 8-9): A61F13/513 A61F13/537

A61F13/84 (Advanced/Invention)

CPC: A61F13/51394 A61F13/537 A61F13/84 A61F2013/8497

PatBase - WO17082834_A1



Family:

Publication number	Publication date	Application number	Application date
WO17082834 A1	20170518	WO2015TR00337	20151111

Priority:

WO2015TR00337 20151111

Probable Assignee: HAYAT KIMYA SANAYI ANONIM SIRKETI

Assignee(s): (std): HAYAT KIMYA SANAYI ANONIM SIRKETI

Inventor(s): (std): CANBOLAT EYLEM ; KOC FIKRET ; SOYLEMEZ SERDAR

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 IR 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 SA 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

8) Family number: 43385141 (US2009157021A)

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Title: ARTICLES WITH INFORMATIVE PATTERNS, AND METHODS OF MAKING THE SAME

Abstract: A plurality of graphical elements form optical illusions associated with consumer products to aid in conveying visual perception of desired features. The optical illusions may provide perceptions of motion and/or elevation deviation into or out of a surface. Further, graphical elements sharing a single common color tone may create one or more of the illusions that may otherwise be enhanced by incorporating multiple color tones to the graphical elements creating the illusions. Exemplary consumer products include disposable diapers, feminine sanitary napkins, printed or electronic advertising media, and removable packaging enclosing articles prior to their use.

Classifications:

International (IPC 8-9): A61F13/42 A61F13/49 A61F13/51

A61F13/511 A61F13/512 A61F13/514 A61F13/53 A61F13/84

A61L15/42 (Advanced/Invention);

A61F13/42 A61F13/511 A61F13/53 A61L15/42 (Advanced/Non-invention);

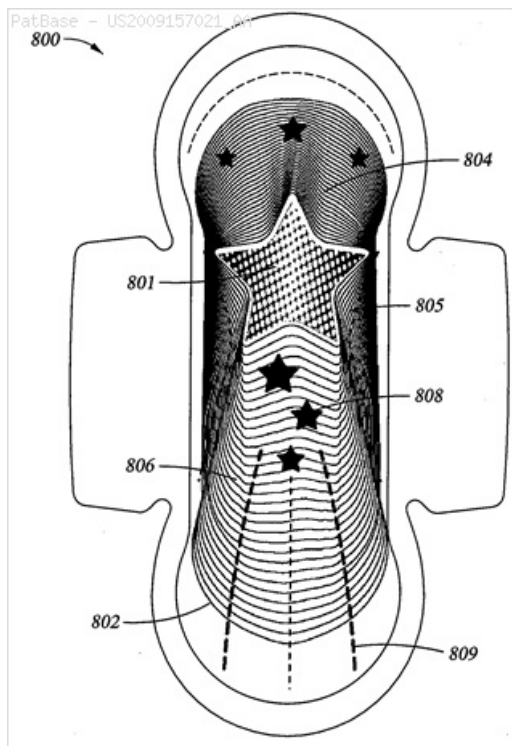
A61F13/15 (Core/Invention)

CPC: A61F13/51496 A61F2013/8497 A61F13/511 A61F13/42

A61F13/53 A61L15/42

European: A61F13/514D K61F13/84G

US: 604/359 604/359P 604/385.01 604/385.010S



Family:

Publication number	Publication date	Application number	Application date
AU2008337183 AA	20090625	AU20080337183	20081120
AU2008337183 BB	20131107	AU20080337183	20081120
CN101896150 A	20101124	CN200880120263	20081120
CN101896150 B	20170609	CN200880120263	20081120
EP2219580 A2	20100825	EP20080861456	20081120
EP2219580 A4	20130220	EP20080861456	20081120
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RU2010128913 A	20120127	RU20100128913	20081120
RU2500376 C2	20131210	RU20100128913	20081120
US2009157021 AA	20090618	US20070957163	20071214
WO09077897 A2	20090625	WO20081B54878	20081120
WO09077897 A3	20091015	WO20081B54878	20081120

Priority:

US20070957163 20071214 WO20081B54878 20081120

Probable Assignee: KIMBERLY CLARK CORP

Assignee(s): (std): BOLAND KATIE A ; KIMBERLY CLARK CO ; KIMBERLY CLARK CORP ; SULLIVAN SUZANNE K ; WOLTMAN GARRY ROLAND

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

Inventor(s): (std): BOLAND KATIE A ; WOLTMAN GARRY ROLAND ; SULLIVAN SUZANNE K ; ROLAND WOLTMAN GARRY ; VOLTMEHN GEHRRI ROULEHND ; BOULEHND KEHJTI A ; SALLIVEN S JUZEHN K

Inventor(s): SUZANNE K SULLIVAN ; GARRY ROLAND WOLTMAN ; KATIE A BOLAND

Agent(s): SPRUSON AND FERGUSON; DAVIES CHRISTOPHER ROBERT; CHRISTOPHER M GOFF 27839
ARMSTRONG TEASDALE LLP; GOFF CHRISTOPHER M

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

9) Family number: 62182173 (US2016113826A)

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Title: ABSORBENT ARTICLE HAVING PERFORMANCE SIGNALS

Abstract: The present invention relates to an absorbent article comprising a plurality of first colored areas and a second colored area which are viewable by a user from a body-facing side of a topsheet, wherein the second colored area surrounds at least some of the first colored areas, a delta E between the first colored areas and the second colored area is at least about 4.5, an average mean area of the first colored areas is not smaller than about 0.20 mm², and a density of the first colored areas is about 4-24 areas/cm².

Classifications:

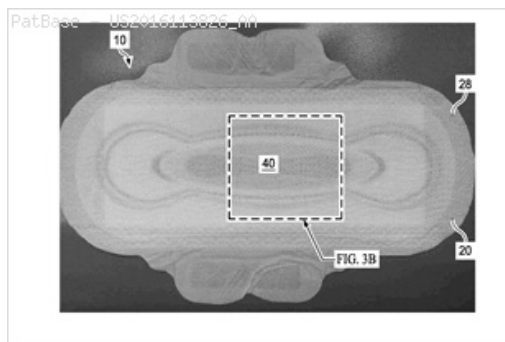
International (IPC 8-9): A61F A61F13/15 A61F13/511 A61F13/512

A61F13/537 A61F13/84 (Advanced/Invention);

A61F (Subclass/Invention)

CPC: A61F2013/8497 A61F13/51394 A61F13/84

US: 604/367



Family:

Publication number	Publication date	Application number	Application date
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WO16065503 A1	20160506	WO2014CN089529	20141027

Priority:

WO2014CN089529 20141027

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): DOMEIER WOLFGANG WERNER HANS ; KISHIDA KAZUSHIGE ; LIU XIAOXIN ; PROCTER ; PROCTER AND GAMBLE ; SONG LIMIN ; WANG FANCHENG ; TANG LI

Assignee(s): PROCTER AND GAMBLE CO

Inventor(s): (std): SONG LIMIN ; WANG FANCHENG ; LIU XIAOXIN ; KISHIDA KAZUSHIGE ; DOMEIER WOLFGANG WERNER HANS ; TANG LI ; LI TANG ; LIMIN SONG ; WOLFGANG WERNER HANS DOMEIER ; XIAOXIN LIU ; FANCHENG WANG ; KAZUSHIGE KISHIDA

Inventor(s): DOMEIER WOLFGANGWERNER HANS

Agent(s): MBM INTELLECTUAL PROPERTY LAW LLP; CHANDRANI VANDITA; NAGAI HIROSHI; RYBINA N A; SHANGHAI PATENT AND TRADEMARK LAW OFFICE LLC

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 IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA 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

10) Family number: 35011209 (US2007191802A)

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Title: ABSORBENT ARTICLE HAVING STAIN RESISTANT PROPERTIES

Abstract: A sanitary napkin including a body facing surface, a portion adapted to be arranged over the vaginal opening during use, a first colored portion, said colored portion extending over at least the portion of the napkin to be placed over the vaginal opening during use, a noncolored portion, wherein said first colored portion has a first color as measured from said body facing surface prior to staining, wherein the first colored portion has a second color as measured from said body facing surface after staining, wherein the first color has an average L value greater than 80; and wherein a Deltaaass between said first color and said second color is less than 18.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/20 A61F13/47

A61F13/472 A61F5/44 B32B27/32 (Advanced/Invention);

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

A61F A61L B32B (Subclass/Invention)

International (IPC 1-7): A61F13/15 B32B27/32

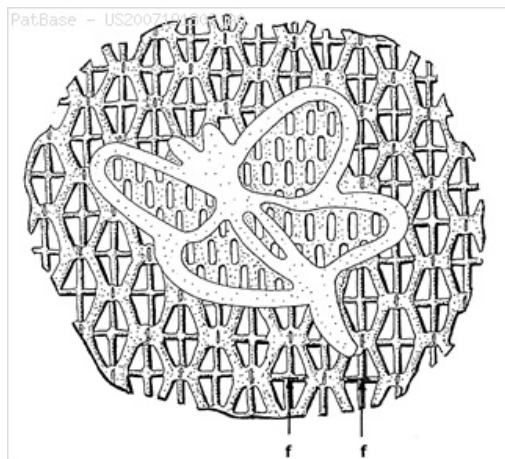
CPC: A61F13/51394 A61F13/472 A61F13/512 A61F13/5126

A61F2013/51377 A61F2013/8497 B23K26/0823 B26F1/26

European: A61F13/472 A61F13/512 B23K26/08D B26F1/26

K61F13/512C K61F13/513H K61F13/84G

US: 604/361 604/361S 604/385.01 604/385.010P



Family:

Publication number	Publication date	Application number	Application date
AU2007200612 AA	20070830	AU20070200612	20070213
AU2007200612 BB	20121115	AU20070200612	20070213
BRPI0700403 A	20071106	BR2007PI00403	20070213

BRPI0700403 B1	20180515	BR2007PI00403	20070213
CA2576593 AA	20070813	CA20072576593	20070130
CA2576593 C	20160322	CA20072576593	20070130
CN101019794 A	20070822	CN200710084039	20070212
CN101019794 B	20130227	CN200710084039	20070212
CO5790163 A1	20070831	CO20070014069	20070213
EP1818032 A1	20070815	EP20070250557	20070212
IN00138KO2007 A	20080425	IN2007KO00138	20070201
IN297630 B	20180615	IN2007KO00138	20070201
MX2007001754 A1	20081029	MX20070001754	20070212
PH2007000049 A	20091214	PH20070000049	20070205
RU2007105308 A	20080820	RU20070105308	20070212
RU2422122 C2	20110627	RU20070105308	20070212
TH89563 A	20080430	TH20071000626	20070212
US2007191802 AA	20070816	US20060550149	20061017
US8148597 BB	20120403	US20060550149	20061017
ZA200701248 A	20090527	ZA20070001248	20070212

Priority:

US20060772684P 20060213 US20060550149 20061017 CA20072576593 20070130

Probable Assignee: EVEREADY BATTERY CO INC

Assignee(s): (std): GUBERNICK DAVID ; JACKSON PETER W ; MCNEIL PPC INC ; JOHNSON AND JOHNSON ; MAKNEJL PPS INK

Assignee(s): MCNIEL PPC ; JACKSON PETER WILLIAM ; EDGEWELL PERSONAL CARE BRANDS LLC ; EDGEWELL PERSONAL CARE CANADA ULC ; EVEREADY BATTERY CO INC

Inventor(s): (std): JACKSON PETER WILLIAM ; GUBERNICK DAVID ; JACKSON PETER W ; WILLIAM GUBERNICK DAVID JACKSO ; DAVID GUBERNICK ; WILLIAM JACKSON PETER ; DZHEKSON PITER UILL JAM ; GUBERNIK DEHVID ; PETER WILLIAM JACKSON

Inventor(s): DZHEKSON PITER UILL'JAM ; PETER W JACKSON ; GUBERNICK DAVID JACKSON PETER WILLIAM

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; SMART AND BIGGAR; JIMENA ESCOBAR URIBE; ROMULO MABANTA BUENAVENTURA SAYOC AND DE LOS ANGELES; PHILIP S JOHNSON JOHNSON AND JOHNSON

Designated states: AL BA DE FR GB HR IT MK YU

11) Family number: 29776221 (US2003229315A)

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Title: FLASHBACK BLOOD COLLECTION NEEDLE WITH NEEDLE SHIELD

Abstract: The needle assembly is provided with the housing, an IV cannula for accessing a blood vessel and a non-patient cannula for communication with an evacuated tube. A flashback chamber is provided in the housing at or near the distal end of the housing. A shield is hinged to a portion of the housing proximally of the entrance to the flashback chamber. As a result, good visibility of the flashback chamber is achieved. After use, the shield can be rotated into a closed position for surrounding the IV cannula and avoiding accidental needle sticks.

Classifications:

International (IPC 8-9): A61B5/15 A61M5/158 A61M5/162

A61M5/178 (Advanced/Invention);

A61M5/32 (Advanced/Non-invention);

A61B5/15 A61M5/178 (Core/Invention);

A61B5/00 A61M5/32 (Core/Non-invention)

International (IPC 1-7): A61M5/00

CPC: Y10S128/919 A61M5/3216 A61B5/15003 A61B5/150213

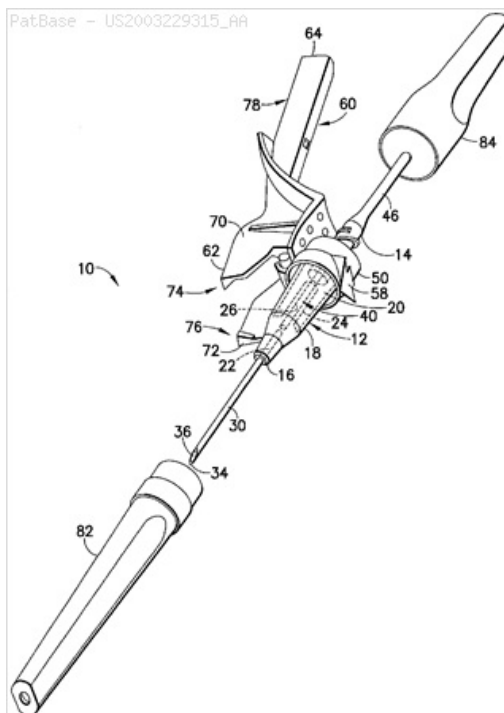
A61B5/150259 A61B5/150389 A61B5/150496 A61B5/150572

A61B5/150671 A61B5/150717 A61B5/150732 A61B5/150809

A61B5/150816 A61B5/150824 A61B5/1545 A61B5/150587

European: A61B5/14B12B K61M5/32C2D

US: 128/919 600/573 604/168.01 604/168.010P 604/244 604/244P 604/260 604/260S 604/263



Family:

Publication number	Publication date	Application number	Application date
SG121744 A1	20060526	SG20020006693	20021106
US2003229315 AA	20031211	US20030338943	20030108
US2007167914 AA	20070719	US20060609702	20061212
US2011125102 AA	20110526	US20110018836	20110201
US7163526 BB	20070116	US20030338943	20030108
US8287498 BB	20121016	US20060609702	20061212

Priority:

SG20020006693 20020611 SG20020006693 20021106 SG20020006693 20021106
US20030338943 20030108 US20060609702 20061212 US20110018836 20110201

Probable Assignee: BD MEDICAL PRODUCTS PTE LTD

Assignee(s): (std): BD MEDICAL PRODUCTS PTE LTD ; BECTON DICKINSON CO ; MOH JON YAOHAN ; YAOHAN JON MOH ; TAN CHEE LEONG ALVIN ; TAN ALVIN CHEE LEONG

Assignee(s): BECTON DICKINSON AND CO ; BECTON DICKINSON AND COMPANY

Inventor(s): (std): YAOHAN JON MOH ; YAOHAN JON M ; TAN CHEE LEONG ALVIN ; TAN ALVIN CHEE LEONG ; MOH JON YAOHAN ; LEONG ALVIN T C ; CHEE LEONG ALVIN TAN ; LEONG ALVIN TAN CHEE

Inventor(s): LEONG ALVIN TC ; YAOHAN JON ; LEONG ALVIN

Agent(s): DAVID W HIGHET VP AND CHIEF IP COUNSEL BECTON DICKINSON AND CO; MARK; THE WEBB LAW FIRM; WEBB LAW FIRM

12) Family number: 29787446 (US2003114811A)

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Title: ABSORBENT ARTICLE

Abstract: The absorbent article provides a signal viewable from the top surface of the absorbent article that gives a perception of depth within the absorbent article. This creation of depth perception is accomplished by the use of at least two tones within a color and/or by the use of multiple tones and multiple colors operating together to create a perception of depth within the absorbent article.

Classifications:

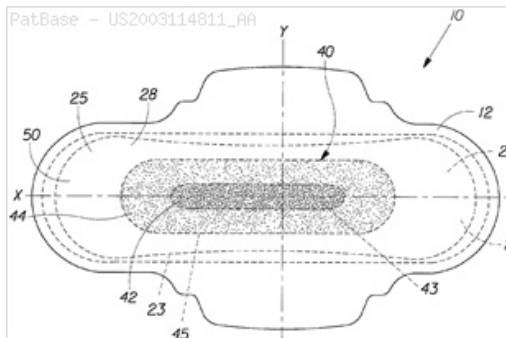
International (ipc 8-9): A61F A61F13/15 A61F13/20 A61F13/42 A61F13/47 A61F13/472 A61F13/511 A61F13/512 A61F13/513 A61F13/53 A61F13/531 A61F13/539 A61F13/84 A61F5/44 B32B B32B7/02 (Advanced/Invention); A61F13/15 A61F13/512 A61F13/513 B32B38/14 B32B7/02 (Advanced/Non-invention); A61F13/15 A61F13/20 B32B7/02 (Core/Invention); A61F B32B (Subclass/Invention)

International (ipc 1-7): A61F13/15 A61F13/20 A61F13/42 A61F13/539 A61F5/44 B32B7/02

CPC: A61F2013/5128 A61F2013/51377 A61F2013/51383 A61F13/472 A61F13/15203 A61F13/531 A61F13/84 A61F2013/8497 A61F13/511 A61F2013/51388 A61F13/51394

European: A61F13/15J A61F13/472 A61F13/511 A61F13/531 A61F13/84 K61F13/84G

US: 1/1 378/385.23 604/361 604/361P 604/361S 604/362 604/362P 604/367 604/378 604/378S 604/379 604/382 604/385.01 604/385.010P 604/385.010S 604/385.23 604/385.230P



Family:

Publication number	Publication date	Application number	Application date
AR038040 AA	20041222	AR2002P104996	20021219
AT555761 E	20120515	AT20020794270T	20021217
AU2002359717 AA	20030709	AU20020359717	20021217
AU2002359717 BB	20060720	AU20020359717	20021217
BRPI0214972 A	20041214	BR2002PI14972	20021217
BRPI0214972 B1	20120821	BR2002PI14972	20021217
CA2470162 AA	20040614	CA20022470162	20021217
CA2470162 C	20070904	CA20022470162	20021217
CA2592535 AA	20030703	CA20022592535	20021217
CA2592535 C	20110823	CA20022592535	20021217
CA2737891 AA	20030703	CA20022737891	20021217
CA2737891 C	20120313	CA20022737891	20021217
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CN1277520 C	20061004	CN20028024003	20021217
CN1599584 A	20050323	CN20028024003	20021217
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DE60249214 D1	20180118	DE20026049214	20021217
EG23232 A	20040831	EG20020121367	20021218
EP1455713 A2	20040915	EP20020794270	20021217
EP1455713 B1	20120502	EP20020794270	20021217
EP2324804 A1	20110525	EP20100181789	20021217
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EP3150183 A1	20170405	EP20160192148	20021217
ES2386538 T3	20120822	ES20020794270T	20021217
ES2660144 T3	20180321	ES20100181789T	20021217
HK1075194 A1	20051209	HK20050107493	20050825
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HU228560 B1	20130328	HU20040002552	20021217
IL161742 A0	20051120	IL20020161742	20021217
IL161742 A1	20110228	IL20020161742	20021217
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IN218064 B	20080718	IN2004DN01230	20040507
JP2005512682 T2	20050512	JP20030554074T	20021217
JP2010155099 A2	20100715	JP20100044606	20100301
JP4843196 B2	20111221	JP20030554074T	20021217
KR100666035 B1	20070110	KR20047009462	20021217

KR20040068267 A	20040730	KR20047009462	20021217
MXPA04005950 A1	20040913	MX2004PA05950	20021217
PE06362003 A1	20030730	PE20030000001	20030106
TH59113 A	20031028	TH20021004695	20021216
TR201802320 T4	20180321	TR20180002320T	20021217
TW200301687 A	20030716	TW20020136656	20021219
US2003114811 AA	20030619	US20010025059	20011219
US2004176736 AA	20040909	US20040796883	20040309
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US2011202027 AA	20110818	US20110094096	20110426
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Priority:

US20010025059	20011219	CA20022470162	20021217	CA20022592535	20021217
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Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): CHRISTON PATRICIA L ; CHRISTON PATRICIA LEE ; FELLER BRYAN K ; FELLER BRYAN KEITH ; GLASSMEYER RONDA L ; GLASSMEYER RONDA LYNN ; HERNANDEZ ROSA A ; HERNANDEZ ROSA ALEJANDRA ; PROCTER AND GAMBLE ; THE PROCTER AND GAMBLE COMPANY

Assignee(s): MALONEY FORREST T ; THE PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE CO CINCINNATI ; THE PROCTER AND GAMBLE CO CINCINNATI OHIO ; PROCTER AND GAMBLE CO CINCINNATI ; PROCTER GAMBLE CO ; PROCTER AND GAMBLE CO ONE PROCTER AND GAMBLE PLAZA ; PROCTER AND GAMBLE CO ; ADAMS DANNETTE R

Inventor(s): (std): ALEJANDRA CHRISTON PATRICIA LE ; CHRISTON PATRICIA L ; LEE CHRISTON PATRICIA ; KEITH FELLER BRYAN ; LYNN GLASSMEYER RONDA ; ALEJANDRA HERNANDEZ ROSA ; ROSA ALEJANDRA HERNANDEZ ; FELLER BRYAN KETH ; CHRSTON PATRCA LEE ; FELLER BRYAN ; CHRISTON PATRICIA ; GLASSMEYER RONDA ; HERNANDEZ ROSA ; FELLER BRIAN KEITH ; ADAMS DANNETTE RENEE ; MALONEY FORREST TIMOTHY ; HERNANDEZ ROSA ALEJANDRA ; GLASSMEYER RONDA LYNN ; FELLER BRYAN KEITH ; CHRISTON PATRICIA LEE ; RONDA LYNN GLASSMEYER ; BRYAN KEITH FELLER ; PATRICIA LEE CHRISTON ; HERNANDEZ ROSA A ; GLASSMEYER RONDA L ; FELLER BRYAN K ; MALONEY FORREST T ; ADAMS DANNETTE R ; GLASSMEYER RONDA LYNN

Inventor(s): MALONEY FORREST ; ADAMS DANNETTE ; HERNAN DEZ ROSA ALEJANDRA ; FELLER BRYAN KEITH SUNMAN RIPLEY ; GLASSMEYER RONDA LYNN HAMILTON CINCINNATI ; CHRISTON PATRICIA LEE FELLER BRYAN KEITH GLASSMEYE ; CHRISTON PATRICIA LEE FELLER BRYAN KEITH ; CHRISTON PATRICIA LEE ; CHRISTON PATRICIA LEE FELLER BRYAN KEITH GLASSMEYER RONDA LYNN HERNANDEZ ROSA ALEJANDRA ; CHRISTON PATRICIA LEE CINCINNATI ; FELLER BRYAN KEITH SUNMAN ; HERNANDEZ ROSA ALEJANDRA WEST CHESTER ; GLASSMEYER RONDA LYNN CINCINNATI

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS ; WATERMARK INTELLECTUAL PROPERTY PTY LTD ; MBM INTELLECTUAL PROPERTY LAW LLP ; ESTUDIO CAREY LTDA ; KREMER VERONIQUE MARIE JOSEPHINE ; ANDERSON JAMES EDWARD GEORGE ; DEL VALLE SONIA ; LLOYD WISE AND CO 1601 HUTCHISON HOUSE 10 HARCOURT ROAD CENTRAL HONG ; REINHOLD COHN AND PARTNERS ; AYLIN SENER ; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION ; THE PROCTER AND GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION ; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION WEST BLDG ; THE PROCTER AND GAMBLE COMPANY, GLOBAL LEGAL DEPARTMENT - IP ; PROCTER AND GAMBLE CO GLOBAL LEGAL DEPARTMENT IP ; AMANDA T ; RODDY M ; DAVID M ; BARRY AMANDA T ; BULLOCK RODDY M ; WEIRICH DAVID M ; MEGAN C ; ANDREW J ; GEORGE H

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 SC 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: ENTANGLED NONWOVEN FABRIC MADE OF TWO FIBERS HAVING DIFFERENT LENGTHS IN WHICH THE SHORTER FIBER IS A CONJUGATE FIBER IN WHICH AN EXPOSED COMPONENT THEREOF HAS A LOWER MELTING TEMPERATURE THAN THE LONGER FIBER AND METHOD OF MAKING SAME

Abstract: There is disclosed a fabric made up of short conjugate fusible fibers and longer, base fibers. The conjugate fibers have an exposed low melting point component having a lower melting point than the remainder of said fibers and said base fibers. In the method of the present invention, a web of short conjugate fibers and longer base fibers is passed through an entangling mechanism where the short fusible fibers are concentrated and intertwined in heavily entangled knot areas. The entangled web is heated to thermobond at least the low melting point component of the conjugate fibers to each other and preferably to the surrounding base fibers to reinforce and strengthen the fabric.

Classifications:

International (IPC 8-9): D04H1/46 D04H1/54 (Advanced/Invention); D04H1/46 D04H1/54 (Core/Invention)

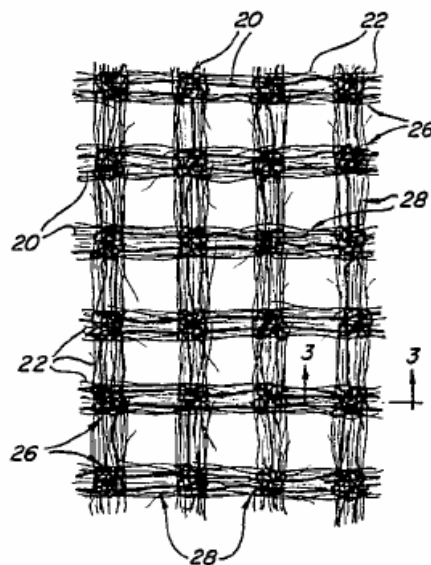
International (IPC 1-7): B32B3/10

CPC: Y10T428/24273 Y10T428/24298 Y10T428/24603 Y10T428/24942 Y10T428/2929 Y10T442/608 Y10T442/638 Y10T442/64 D04H1/54 D04H1/49

European: D04H1/46B D04H1/54

US: 28/103 28/104 28/112 428/131 428/134 428/171 428/212 428/224 428/288 428/296 428/297 428/299 428/373 442/334 442/362 442/363

PatBase - US4555430_A



Family:

Publication number	Publication date	Application number	Application date
US4555430 A	19851126	US19840641144	19840816

Priority:

US19840641144 19840816

Probable Assignee: CHICOPEE INC

Assignee(s): (std): CHICOPEE

Assignee(s): CHASE MANHATTAN BANK (NATIONAL ASSOCIATION) ; CHASE MANHATTAN BANK (THE) ; CHASE MANHATTAN BANK NATIONAL ASSOCIATION ; CHASE MANHATTAN BANK THE ; MCNEIL PPC INC ; JPMORGAN CHASE BANK ; DOMINION TEXTILE INC ; FABPRO ORIENTED POLYMERS INC ; FABRENE CORP ; FABRENE GROUP LLC ; FIBERGOL CORP ; FIBERTECH GROUP INC ; FNA ACQUISITION INC ; FNA POLYMER CORP ; LORETEX CORP ; PGI EUROPE INC ; CITICORP NORTH AMERICA INC FIRST LIEN COLLATERAL A ; DOMINION TEXTILE (USA) INC ; DOMINION TEXTILE USA INC ; CITICORP NORTH AMERICA INC FIRST LIEN COLLATERAL AGENT AS ; WILMINGTON TRUST CO ; PGI POLYMER INC ; PNA CORP ; POLY BOND INC ; POLYLONIX SEPARATION TECHNOLOGIES INC ; POLYMER GROUP INC ; PRISTINE BRANDS CORP ; TECHNETICS GROUP INC ; WILMINGTON TRUST CO SECOND LIEN COLLATERAL AGENT A ; WILMINGTON TRUST CO SECOND LIEN COLLATERAL AGENT AS ; BONLAM (SC) INC ; BONLAM INC ; BONLAM SC INC ; CHASE MANHATTAN BANK ; CHICOPEE A NJ CORP ; CHICOPEE INC ; CITICORP NORTH AMERICA INC

Inventor(s): (std): MAYS ALFRED T

14) Family number: 28453455 (US2003078553A)

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Title: ABSORBENT ARTICLE AND PACKAGE THEREOF

Abstract: Disclosed is an absorbent article including: a liquid permeable topsheet disposed on a body surface of the article; a liquid barrier sheet for preventing liquids from exuding toward a garment surface of the article; and an absorbent layer disposed between the topsheet and the liquid barrier sheet. The absorbent article has a liquid receiving region of a predetermined area where the topsheet and the absorbent layer overlap each other. A reference mark for visually measuring an extent of liquid spread in the liquid receiving region is provided on a body surface of the topsheet.

Classifications:

International (IPC 8-9): A61F A61F13/15 A61F13/42 A61F13/47 A61F13/472 A61F13/49 A61F13/51 A61F13/511 A61F13/84 A61F5/44 (Advanced/Invention);

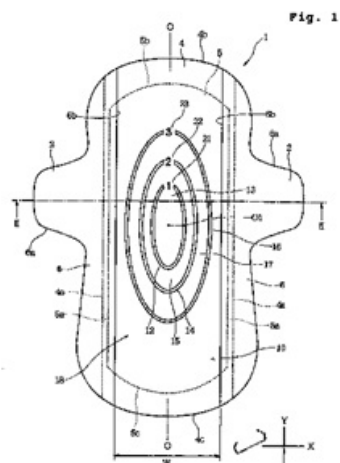
A61F13/51 (Advanced/Non-invention); A61F13/15 A61F13/42 A61F5/44 (Core/Invention)

International (IPC 1-7): A61F13/15 A61F13/42 A61F13/47 A61F13/472 A61F13/49 A61F13/51 A61F13/511 A61F13/84 A61F5/44 B65D85/16

CPC: A61F13/51394 A61F13/4756 A61F13/42 A61F13/533 A61F13/536 A61F13/5513 A61F13/55145 A61F2013/51377 A61F2013/8497

European: A61F13/42 A61F13/475A3 A61F13/551B A61F13/551B2D K61F13/513H K61F13/533 K61F13/536 K61F13/84G

US: 604/361 604/361P 604/385.01 604/385.010S

**Family:**

Publication number	Publication date	Application number	Application date
AT476950 E	20100815	AT20020257139T	20021015
CN1226023 C	20051109	CN20021056954	20021023
CN1513430 A	20040721	CN20021056954	20021023
DE60237268 D1	20100923	DE20026037268	20021015
EP1306069 A2	20030502	EP20020257139	20021015
EP1306069 A3	20040102	EP20020257139	20021015
EP1306069 B1	20100811	EP20020257139	20021015
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HK1067852 A1	20050422	HK20040110224	20041224
HK1067852 A3	20050422	HK20040110224	20041224
JP2003126140 A2	20030507	JP20010324811	20011023
JP3971150 B2	20070905	JP20010324811	20011023
KR100789795 B1	20071231	KR20020064464	20021022
KR20030033962 A	20030501	KR20020064464	20021022
TW565438 B	20031211	TW20020124103	20021018
US2003078553 AA	20030424	US20020267192	20021009

Priority:

JP20010324811 20011023

Probable Assignee: UNI CHARM CORP**Assignee(s):** (std): UNI CHARM CORP ; UNI CHARM LTD ; UNICHARM CORP ; UNIV CHARM CORP**Assignee(s):** UNI CHARM 182 SHIMOBUN KINSEI CHO SHIKOKUCHUO SHI CORP ; UNI CHARM CO LTD**Inventor(s):** (std): AYAMI SUGA ; AYAMI WADA MITSUHIRO SUGA ; MITSUHIRO WADA ; SUGA AYAMI ; SUGA FUMIYOSHI ; WADA MITSUHIRO**Inventor(s):** WADA MITSUHIRO C O TECHNICAL CENTER ; WADA MITSUHIRO SUGA AYAMI ; SUGA AYAMI C O TECHNICAL CENTER**Agent(s):** EKE PHILIPPA DIANNE; CLT PATENT AND TRADEMARK HK LTD UNIT 10 34 F OFFICE TOWER CONVENTION**Designated states:** AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR**15) Family number: 65822588** (US2017151103A)

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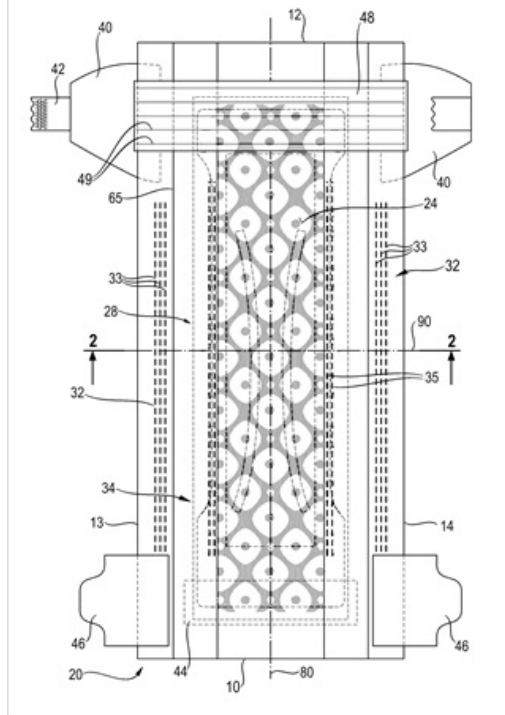
Title: ABSORBENT ARTICLES WITH COLORED TOPSHEET

Abstract: An absorbent article having a wearer-facing side and garment-facing side, the article comprising: -a nonwoven topsheet on the wearer-facing side, wherein the topsheet has a first color which is not white and comprises thermal bonds; a backsheet on the garment-facing-side; an absorbent core between the topsheet and the backsheet; optionally an acquisition layer; and a visual signal disposed on the topsheet or a layer of the article under the topsheet; wherein the visual signal comprises a first portion having a first appearance and a second portion having a different second appearance. The topsheet has an opacity index of at least 28 percent as measured by the opacity index test as described herein and the visual signal is visible on the wearer-facing side of the article.

Classifications:**International (IPC 8-9):** A61F13/49 A61F13/513 B65D85/62 (Advanced/Invention);

A61F13/51 (Advanced/Non-invention)

CPC: A61F13/51394 A61F13/49 B65D85/62 A61F2013/51002 A61F2013/51014

**Family:**

Publication number	Publication date	Application number	Application date
CN108289776 A	20180717	CN201680066358	20161102
EP3383336 A1	20181010	EP20160798328	20161102
US2017151103 AA	20170601	US20160361573	20161128
US2018200124 AA	20180719	US20180921692	20180315
WO17095578 A1	20170608	WO2016US60045	20161102

Priority:

US20150260745P 20151130 WO2016US60045 20161102 US20160361573 20161128
 US20180921692 20180315

Probable Assignee: PROCTER AND GAMBLE CO

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

Assignee(s): PROCTER AND GAMBLE CO

Inventor(s): (std): BIANCHI ERNESTO GABRIEL ; FITES THEODORE CORY ; REICHARDT NICOLE ANJA ; WALENZYK THOMAS

Agent(s): L HUILLIER FLORENT CHARLES; KREBS JAY A

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 DJ 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 IR IS IT JP KE KG KM KN KP KR KW KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA 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

16) Family number: 62326660 (US2016129626A)

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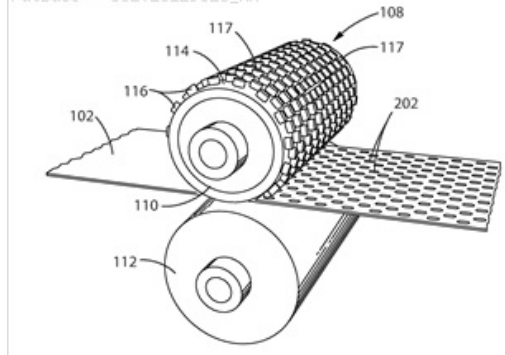
Title: METHODS FOR MAKING PATTERNED APERTURED WEBS

Abstract: A method of producing a patterned apertured web is provided. The method comprises providing a web having a central longitudinal axis. The web comprises a plurality of overbonds extending substantially parallel to the central longitudinal axis. The method comprises conveying the web in a machine direction that is substantially parallel to a direction of extension of the central longitudinal axis of the web. The method comprises stretching the web in a cross-machine direction to cause at least some of the overbonds to at least partially rupture and at least partially form patterned apertures in the web. At least some of the patterned apertures have Absolute Feret Angles, according to the Aperture Test herein, of at least about 20 degrees. At least some of the patterned apertures have an Aspect Ratio, according to the Aperture Test herein, in the range of about 2:1 to about 6:1.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/45 A61F13/47 A61F13/472 A61F13/476 A61F13/493 A61F13/51 A61F13/511 A61F13/512 A61F13/513 A61F13/514 A61F13/515 A61F13/533 A61F13/537 A61F13/551 A61F13/84 B29C55/10 B32B3/10 B32B3/24 B32B3/26 B32B37/02 B32B5/02 B32B5/14 B32B5/18 B32B5/24 B32B5/26 B32B7/02 B32B7/12 D04H1/4374 D04H1/50 D04H13/00 D04H3/147 D04H3/16 D04H5/06 D06C23/04 (Advanced/Invention); A61F13/15 A61F13/51 A61F13/512 A61F13/514 A61F13/515 A61F13/551 A61F13/84 B29L7/00 B32B5/26 B44F99/00 (Advanced/Non-invention)
International (IPC 1-7): A61F13/493 A61F13/512 A61F13/513 A61F13/514 A61F13/84
CPC: B32B3/266 B32B2250/03 B32B2555/02 B32B3/26 B32B5/142 A61F2013/51186 A61F2013/8497 B32B2307/726 B32B2555/00 A61F2013/15715 A61F2013/51092 B32B5/022 A61F13/5123 D10B2509/026 A61F13/537 A61F2013/51377 A61F13/511 A61F13/476 A61F13/472 D04H1/50 A61F13/15203 A61F13/47 A61F2013/15243 A61F13/51462 A61F13/5116 A61F13/45

PatBase - US2016129626_AA



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B32B2262/0253 B32B2262/0284 B32B2262/12 B32B2305/026 B32B2432/00 B32B2535/00 D04H5/06 D10B2321/021
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US: 156/229 156/60 206/438 206/526 206/570 264/40.1 428/131 428/137 428/138 604/365 604/367 604/372 604/378
604/383 604/385.01

Family:

Publication number	Publication date	Application number	Application date
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Priority:

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US20180032117	20180711	US20180186755	20181112		

Probable Assignee: PROCTER AND GAMBLE CO

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

Assignee(s): PROCTER AND GAMBLE CO CINCINNATI ; SCHUTTE JENNIFER ; TAPP ANN CECILIA ; WALTHER RACHAEL EDEN ; STRUBE JOHN BRIAN ; ROE DONALD CARROLL ; GIOVANNI SARA LYN ; ORR JILL MARLENE ; MULLANE TIMOTHY IAN ; PORTER MARGARET ELIZABETH ; ARORA KELYN ANNE ; BICKING AMANDA MARGARET ; DUSOLD JENNIFER LYNN ; DZE PROKTER END GEMBL KOMPANI

Inventor(s): (std): ARORA KELYN ANNE ; MULLANE TIMOTHY IAN ; STRUBE JOHN BRIAN ; ORR JILL MARLENE ; ROE DONALD CARROLL ; PORTER MARGARET ELIZABETH ; WALTHER RACHAEL EDEN ; RODIC JENNIFER ; DUSOLD JENNIFER LYNN ; TAPP ANN CECILIA ; NIEZGODA STEPHANIE MICHELLE ; SCHUTTE JENNIFER ; DENG RONG ; BICKING AMANDA MARGARET ; MOSS STEPHANIE NIEZGODA ; WHITELY NATHAN RAY ; HAMMONS JOHN LEE ; POONDRU SHRIDISH ; GIOVANNI SARA LYN ; RITTER MATTHEW STEVEN ; GROSS SARAH BETH ; POONDRU SHRIDISH ; JENNIFER LYNN DUSOLD ; JOHN BRIAN STRUBE ; SARA LYN GIOVANNI ; JENNIFER SCHUTTE ; KELYN ANNE ARORA ; AMANDA MARGARET BICKING ; RACHAEL EDEN WALTHER ; TIMOTHY IAN MULLANE ; JILL MARLENE ORR ; ANN CECILIA TAPP ; MARGARET ELIZABETH PORTER ; DONALD CARROLL ROE

Inventor(s): ARORA KELYN ANNE CINCINNATI ; MULLANE TIMOTHY IAN CINCINNATI ; ORR JILL MARLENE CINCINNATI ; ROE DONALD CARROLL CINCINNATI ; STRUBE JOHN BRIAN CINCINNATI ; ARORA KELYN ENN ; DYUSOLD DZHENNIFER LINN ; MULLANE TIMOTI JEN ; OR DZHIL MARLENE ; PORTER MARGARET ELIZABET ; RODIK DZHENNIFER ; ROE DONALD KERROLL ; TAP AN SESILIYA ; UELTER REJCHEL EDEN ; MOS STEFANI NEZGODA ; SHTRUBE DZHON BRAJN ; BIKING AMANDA MARGARET ; SHYUTTE DZHENNIFER ; DZHOVANNI SARA LYN ; MYULLANE TIMOTI JEN ; OR DZHILL MARLIN ; SHTRUBE DZHON BRAJAN ; TEPP ENN SESILIYA ; VALTER REJCHEL IDEN

Agent(s): WILSON LUE LLP; LLOVET AHUMADA RAUL; L HUILLIER FLORENT CHARLES; KREMER VERONIQUE MARIE JOSEPHINE; HEIDE UTE; NAGAI HIROSHI; RYBINOJ NA; RYBINA N A; BEST CHRISTIAN M; LEAL GEORGE H; KREBS JAY A

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 IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA 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

17) Family number: 32887732 (US2006111684A)

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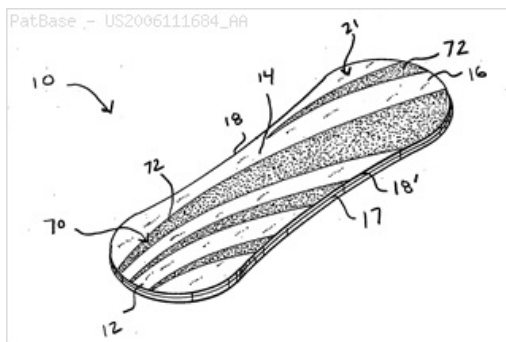
Title: DISPOSABLE ABSORBENT ARTICLE HAVING VIEWABLE INDICIA

Abstract: An absorbent article including a first layer having an internal surface and an external surface, a second layer having an internal surface and an external surface, indicia arranged on at least one of the internal surfaces of the first layer the second layer, at least one of the first layer or the second layer having a light transmittance of at least 45 percent so that the indicia is viewable from at least one of the external surfaces.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/42 (Advanced/Invention);

A61F13/15 A61F13/42 (Core/Invention);
A61F (Subclass/Invention)
International (IPC 1-7): A61F13/15
CPC: A61F13/51496 A61F13/42 A61F2013/15243 A61F2013/51377
European: A61F13/42 A61F13/514D K61F13/1513 K61F13/513H
US: 604/361 604/361P 604/385.01 604/385.010S



Family:

Publication number	Publication date	Application number	Application date
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WO06050095 A1	20060511	WO2005US38935	20051028
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Priority:

US20040623030 20041028 US20040623030P 20041028 US20050262048 20051028
WO2005US38935 20051028

Probable Assignee: MCNEIL PPC INC

Assignee(s): (std): ARORA TARUN K ; BERBA MARIA L M ; BERBA MARIA LUISA M ; DU JENNY G ; INC ; MARCELO ANA M R ; MCNEIL PPC INC ; MARCELO ANA MARIA R ; MEDINA MA SOCORRO ; SERRA PAULO ROBERTO AMARAL ; MEDINA MARIA SOCORRO F ; SERRA PAULO ROBERTO A ; RACHID LUIZ H ; RIMOLI FRANCISCO ANTONIO

Inventor(s): (std): BERBA MARIA LUISA M ; MARCELO ANA MARIA R ; MEDINA MA SOCORRO ; SERRA PAULO ROBERTO AMARAL ; DU JENNY G ; ARORA TARUN K ; BERBA MARIA L M ; MARCELO ANA M R ; MEDINA MARIA SOCORRO F ; SERRA PAULO ROBERTO A ; RACHID LUIZ H ; RIMOLI FRANCISCO ANTONIO ; AMARAL SERRA PAULO ROBERTO ; ARO BERBA MARIA LUISA M MARCEL

Inventor(s): MARIA SOCORRO F MEDINA AKA MEDINA MA SOCORRO ; MARIA SOCORRO F MEDINA ; RACHID LUIZ HENRIQUE ; MEDINA MARIA SOCORRO ; DU JENNY ; RACHID LUIZ ; SERRA PAULO ROBERTO ; BERBA MARIA ; ARORA TARUN ; MARCELO ANA ; JENNY G DU ; ANA MARIA R MARCELO ; MA SOCORRO MEDINA ; TARUN K ARORA ; PAULO ROBERTO AMARAL SERRA ; MARIA LUISA M BERBA ; BERBA MARIA LM ; MARCELO ANA MR

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; SMART AND BIGGAR; PHILIP S JOHNSON JOHNSON AND JOHNSON

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

18) Family number: 52350749 (US2014228795A)

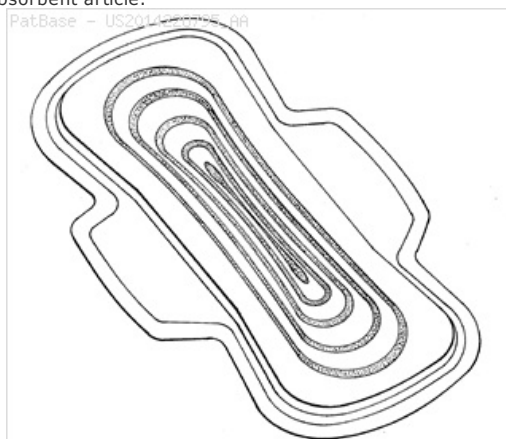
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Title: ARTICLE INCLUDING VISUAL SIGNAL FOR COMMUNICATION OF DEPTH PERCEPTION

Abstract: The present invention generally relates to an absorbent article including a plurality of non-colored portions and a plurality of colored portions having a single color, the plurality of non-colored portions and colored portions cooperating to create a perception of depth by a user viewing the absorbent article.

Classifications:

International (IPC 8-9): A61F A61F13/15 A61F13/20 A61F13/47 A61F13/84 (Advanced/Invention); A61F13/15 (Core/Invention)
International (IPC 1-7): A61F13/15
CPC: A61F13/8405 A61F2013/15243 A61F13/84 A61F13/47 A61F13/51394 A61F2013/8497
US: 604/385.01



Family:

Publication number	Publication date	Application number	Application date
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EP2704675 A1	20140312	EP20120782233	20120501
EP2704675 A4	20141126	EP20120782233	20120501
EP2704675 B1	20160817	EP20120782233	20120501
HK1195241 A1	20141107	HK20140108877	20140902
IN09171DN2013 A	20141219	IN2013DN09171	20131024
RU2013154120 A	20150620	RU20130154120	20120501
RU2627009 C2	20170802	RU20130154120	20120501
TH146922 A	20160304	TH20131006319	20120501
US2014228795 AA	20140814	US20120819760	20120501
WO12154444 A1	20121115	WO2012US35938	20120501
ZA201309170 A	20150826	ZA20130009170	20131205

Priority:

CN201110012981 20110506 CN201110125981 20110506 WO2012US35938 20120501
EP20120782233 20120501

Probable Assignee: JOHNSON AND JOHNSON CONSUMER INC

Assignee(s): (std): BUHAN XU ; CASTANARES KAREN GRACE B ; JOHNSON AND JOHNSON CONSUMER INC ; MCNEIL PPC INC ; SHAOJUN MEI ; MARCELO ANA MARIA ELENA ; MCNEIL PPC INC MCNEIL PPC INC ; MEI SHAOJUN ; MAKNEIL PPS INK

Assignee(s): MCNEIL PPC INC199 GRANDVIEW ROADSKILLMANNJ08558US ; JOHNSON AND JOHNSON CONSUMER INC SKILLMAN

Inventor(s): (std): ANA MARIA ELENA MARCELO ; KAREN GRACE B CASTANARES ; CHZHAOTSZYUN MEJ ; KASTANARES KAREN GREJS B ; MARCELO ANA MARIYA ELENA ; SHAOJUN MEI SHAOJUN MEI ; MARCELO ANA MARIA ELENA MARCELO ANA MARIA ELENA ; CASTANARES KAREN GRACE B CASTANARES KAREN GRACE B ; CASTANETLENS K G B ; MARCELO A M E R ; MARCELO ANA MARIA ELENA ; SHAOJUN MEI ; CASTANARES KAREN GRACE B ; BUHAN XU ; MEI SHAOJUN

Inventor(s): K G B CASTANETLENS ; CASTANARES KAREN GRACE BCN ; SHAOJUN MEICN ; MARCELO ANA MARIA ELENASG ; KGBCASTANETLENS ; AMERMARCELO ; XU BUHAN ; A M E R MARCELO

Agent(s): SHELSTON IP; SHELSTON IP PTY LTD; SMART AND BIGGAR; SILVANA MARIA LOPEZ DIAZ; CARPMAELS AND RANSFORD LLP; CHINA PATENT AGENT HK LTD; JOHNSON PHILIP S 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 CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT 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

19) Family number: 43758827 (USD600799S)

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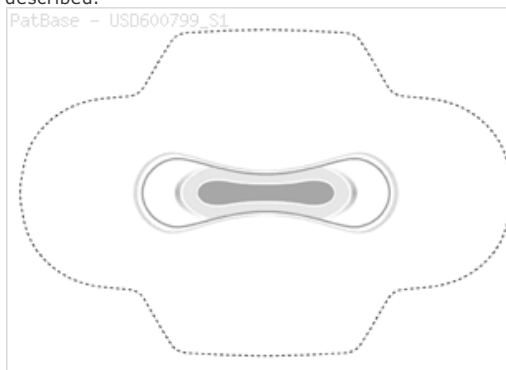
Title: SANITARY TOWEL

Abstract: The ornamental design for a sanitary towel, as shown and described.

Classifications:

US: D24/124 D24/125

Locarno class: 24/04



Family:

Publication number	Publication date	Application number	Application date
CN301130748 D	20100203	CN200930003522F	20090123
CN301145909 D	20100224	CN200930003525F	20090123
CN301157982 D	20100317	CN200930003523F	20090123
IN220922 S	20170512	IN20080220922F	20080725
IN220923 S	20170512	IN20080220923F	20080725
IN220924 S	20170512	IN20080220924F	20080725
USD600799 S1	20090922	US20090331237F	20090122
USD600800 S1	20090922	US20090331240F	20090122
USD600801 S1	20090922	US20090331241F	20090122
USD600802 S1	20090922	US20090331242F	20090122
USD600803 S1	20090922	US20090331243F	20090122
USD600804 S1	20090922	US20090331244F	20090122
USD600805 S1	20090922	US20090331250F	20090122

Priority:

WO20084528529F 20080725 US20090331237F 20090122 US20090331240F 20090122

Probable Assignee: PROCTER AND GAMBLE CO

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

Assignee(s): THE PROCTER AND GAMBLE COMPANY

Inventor(s): (std): DODGE CHRISTINE ; HOOD LISA JUNE ; DENTI FEDERICA ; LARSON SIGNE CHRISTINA

Agent(s): DAVID M

20) Family number: 43982862 (US2009281513A)

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Title: ABSORBENT ARTICLE HAVING COLORED REGIONS

Abstract: An absorbent article having colored regions. The absorbent article has at least three colored regions. The colored regions are spaced apart from one another. Each colored region has a major axis. The major axis of each colored region converges towards a common focal region on the longitudinal centerline of the absorbent article.

Classifications:

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

A61F13/511 A61F13/514 A61F13/53 A61L15/56 (Advanced/Invention);

A61F13/511 A61F13/514 A61F13/53 A61L15/56 (Advanced/Non-

invention);

A61F13/15 A61F13/20 (Core/Invention);

A61F (Subclass/Invention)

International (IPC 1-7): A61F13/15

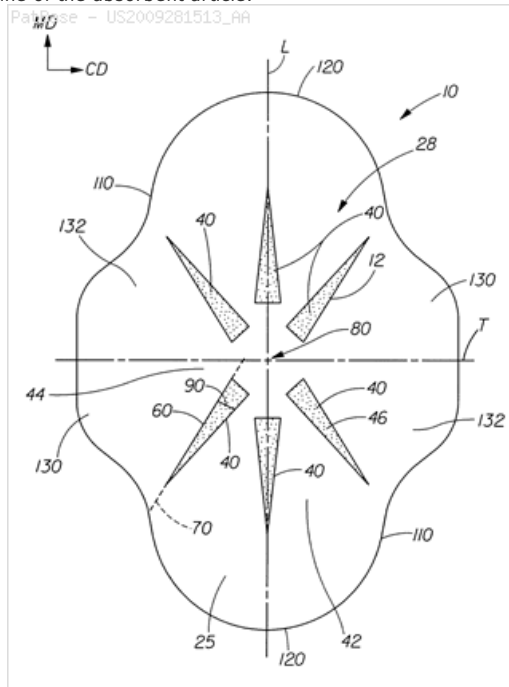
CPC: A61F13/511 A61F2013/15243 A61F2013/8497

European: A61F13/511 K61F13/15J3 K61F13/84G

US: 604/365 604/366 604/367 604/368 604/378 604/379 604/379P

604/385.01 604/385.010S 604/385.101 604/385.17 604/385.170S

604/385.18 604/385.180S 604/385.23 604/385.230S



Family:

Publication number	Publication date	Application number	Application date
AR071692 AA	20100707	AR2009P101654	20090507
BRPI0912012 A2	20151006	BR2009PI12012	20090430
CA2723687 AA	20091112	CA20092723687	20090430
CL2009001106 A1	20101224	CL20090001106	20090507
CN102014829 A	20110413	CN200980116409	20090430
IL209127 A0	20110131	IL20100209127	20101104
IL209127 A1	20130731	IL20090209127	20090430
JP2011519672 T2	20110714	JP20110508555T	20090430
JP5198655 B2	20130515	JP20110508555T	20090430
KR101260143 B1	20130506	KR20107024853	20090430
KR20110002077 A	20110106	KR20107024853	20090430
MX2010012130 A1	20101206	MX20100012130	20090430
RU2438639 C1	20120110	RU20100140461	20090430
US2009281513 AA	20091112	US20080116529	20080507
US8162910 BB	20120424	US20080116529	20080507
WO09137311 A1	20091112	WO2009US42194	20090430
ZA201007088 A	20120328	ZA20100007088	20101005

Priority:

US20080116529 20080507 WO2009US42194 20090430

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): NELSON NAOMI RUTH ; PROCTER AND GAMBLE

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

Inventor(s): (std): NELSON NAOMI RUTH ; NEHLSON NAOMI RUF ; RUTH NELSON NAOMI

Inventor(s): NAOMI RUTH NELSON

Agent(s): LLOVET A RAUL; REINHOLD COHN AND PARTNERS; NAGAI HIROSHI; THE PROCTER AND GAMBLE COMPANY; GLOBAL LEGAL DEPARTMENT - IP; PROCTER AND GAMBLE CO GLOBAL LEGAL DEPARTMENT IP; AMANDA T; GARY J; 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 LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: SUBSTRATES WITH PRINTED PATTERNS THEREON PROVIDING A THREE-DIMENSIONAL APPEARANCE

Abstract: Aspects of the present disclosure involve patterns on substrate surfaces, such as nonwoven webs or fabrics, plastic films, and laminates thereof, that cause the substrate surfaces to exhibit a three-dimensional appearance. In some embodiments, the three-dimensional appearance of the substrate surface resembles protrusions and indentations indicative of threads in woven cloths. The patterns are created by printing a surface of a substrate, as opposed to deforming the substrate such as by embossing. Embodiments of the patterns include a plurality of repeating shapes or macro-units disposed on the substrate surface.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/49 A61F13/511
A61F13/514 B32B5/00 B41M3/06 B44F1/08 B44F11/00

B44F7/00 (Advanced/Invention);
A61F13/15 B32B5/00 B41M3/00 B44F1/00 B44F11/00

B44F7/00 (Core/Invention);

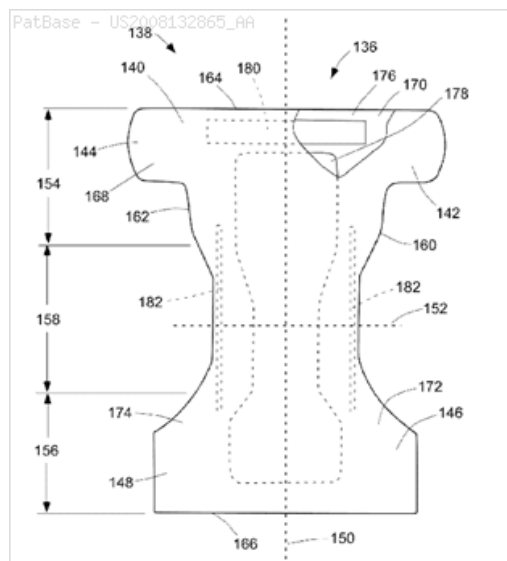
A61F B41M B44F (Subclass/Invention)

International (IPC 1-7): A61F13/15 B44F11/00

CPC: Y10T428/24802 A61F13/15 A61F13/42 B44F7/00

European: A61F13/15 A61F13/42 B44F7/00

US: 428/195.1 604/378 604/385.01 604/385.010P



Family:

Publication number	Publication date	Application number	Application date
AR065226 AA	20090527	AR2007P105295	20071129
BRPI0718770 A2	20131203	BR2007PI18770	20071129
CA2709170 AA	20090527	CA20072709170	20071129
CL2007003436 A1	20081024	CL20070003436	20071129
CN101600585 A	20091209	CN200780043854	20071129
CN101600585 B	20130918	CN200780043854	20071129
EP2086771 A2	20090812	EP20070827083	20071129
IN02826DN2009 A	20090619	IN2009DN02826	20090429
JP2010510861 T2	20100408	JP20090538844T	20071129
JP5015263 B2	20120829	JP20090538844T	20071129
MX2009005558 A1	20090608	MX20090005558	20071129
RU2009114591 A	20110110	RU20090114591	20071129
RU2415758 C2	20110410	RU20090114591	20071129
US2008132865 AA	20080605	US20070946969	20071129
US2010286644 AA	20101111	US20100844022	20100727
WO08065628 A2	20080605	WO2007IB54853	20071129
WO08065628 A3	20080807	WO2007IB54853	20071129
ZA200903451 A	20100428	ZA20090003451	20090519

Priority:

US20060861910P 20061129

US20070946969 20071129

WO2007IB54853 20071129

US20100844022 20100727

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): DENMON ANGELLI SUE ; DOBRIN GEORGE CHRISTOPHER ; KO ADA HO YAU ; LAWSON KATHLEEN MARIE ; WARNER ALRICK VINCENT ; PROCTER AND GAMBLE ; LI WENBIN ; LU JON AARON ; MEYER DOUGLAS JOSEPH ; LU JONATHAN AARON

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

Inventor(s): (std): LI WENBIN KO ADA LU JON DOBRIN ; DENMON ANGELLI S ; MEYER DOUGLAS J ; LU JON ; LAWSON KATHLEEN M ; KO ADA ; WARNER ALRICK V ; VINCENT WARNER ALRICK ; MARIE LAWSON KATHLEEN ; SUE DENMON ANGELLI ; JOSEPH MEYER DOUGLAS ; YAU KO ADA HO ; WENBIN LI ; CHRISTOPHER DOBRIN GEORGE ; AARON LU JON ; WARNER ALRICK VINCENT ; LI WENBIN ; DENMON ANGELLI SUE ; LU JON AARON ; KO ADA HO YAU ; LAWSON KATHLEEN MARIE ; MEYER DOUGLAS JOSEPH ; DOBRIN GEORGE CHRISTOPHER ; LI WENBIN ; UORNER OLRICK VINSENT ; KO ADA KHO JAU ; DOBRIN DZHORDZH KRISTOFER ; LJU JON AARON ; DENMON ANDZHELLI S JU ; MEHEJR DUGLAS DZHOZEJ ; LOUSON KEHTLIN MEHRI ; LU JONATHAN AARON

Inventor(s): LI WENBIN KO ADA LU JON DOBRIN GEORGE... ; LI WENBIN KO ADA LU JON DOBRIN GEORGE CHRISTOPHER MEYER DOUGLAS JOSEPH WARNER ALRICK VINCENT LAWSON KATHLEE ; DOBRIN ; WENBIN ; LU ; GEORGE CHRISTOPHER ; KATHLEE ; LI ; ADA ; ALRICK VINCENT ; WARNER ; KO ; DOUGLAS JOSEPH ; JON ; MEYER ; LAWSON ; LAWSON KATHLEE ; DENMON ANDZHELLI S'JU ; LAWSON KATHLEEN ; WARNER ALRICK ; MEYER DOUGLAS ; DENMON ANGELLI ; DOBRIN GEORGE ; KATHLEEN MARIE LAWSON ; JON AARON LU ; GEORGE CHRISTOPHER DOBRIN ; ADA HO YAU KO ; ALRICK VINCENT WARNER ; DOUGLAS JOSEPH MEYER ; ANGELLI SUE DENMON

Agent(s): WILSON LUE LLP; LLOVET; KREMER VERONIQUE MARIE JOSEPHINE; NAGAI HIROSHI; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION WEST BLDG; THE PROCTER AND GAMBLE COMPANY,GLOBAL LEGAL DEPARTMENT - IP; PROCTER AND GAMBLE CO GLOBAL LEGAL DEPARTMENT IP; THE PROCTER AND GAMBLE COMPANY

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY

CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN
IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW
MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ
TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

22) Family number: 56664981 (US2015313766A)

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Title: ABSORBENT ARTICLE WITH A MULTI-LAYERED TOPSHEET

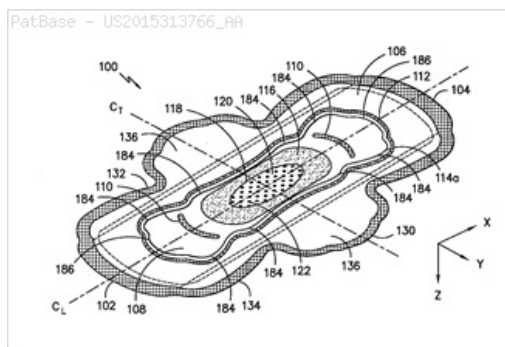
Abstract: An absorbent article (100-1200) is capable of providing comfort to the wearer and can maintain dryness and inhibit the leakage of fluid. The absorbent article (100-1200) includes a multi-layered topsheet (138). The multi-layered topsheet (138) includes a first topsheet layer (106) having an opening (148) and a second topsheet layer (108) disposed under the first topsheet layer (106). The first topsheet layer (106) and the second topsheet layer (108) are joined together by a seal that, in one embodiment, generally corresponds with the shape of the opening (148). Further, a first sub-topsheet layer (116) is situated beneath the multi-layered topsheet (138) and has an opening (150) that is smaller than the first topsheet layer opening (148). This combination of openings (148, 150) situated one below the other provides for an absorbent article (100-1200) that can maintain a high level of dryness and its ability to conform to the wearer's body, and inhibit the leakage of bodily fluids due to a funnel-like effect.

Classifications:

International (IPC 8-9): A61F13/475 A61F13/494 A61F13/51
A61F13/511 A61F13/512 A61F13/513 (Advanced/Invention);
A61F13/51 (Advanced/Non-invention)

CPC: A61F13/5125 A61F13/513 A61F2013/5127 A61F2013/51078
A61F2013/51092 A61F2013/51186 A61F13/475 A61F13/51104
A61F13/5116 A61F13/512

US: 604/385.101



Family:

Publication number	Publication date	Application number	Application date
AU2012396080 AA	20140612	AU20120396080	20121204
AU2012396080 BB	20170928	AU20120396080	20121204
BR112015011504 A2	20170711	BR20151111504	20121204
CN104780883 A	20150715	CN201280077088	20121204
CN104780883 B	20190402	CN201280077088	20121204
EP2928433 A1	20151014	EP20120889415	20121204
EP2928433 A4	20160817	EP20120889415	20121204
KR20150093712 A	20150818	KR20157016578	20121204
RU2015123826 A	20170110	RU20150123826	20121204
RU2608806 C2	20170124	RU20150123826	20121204
US2015313766 AA	20151105	US20120646398	20121204
US10213347 BB	20190226	US20120646398	20121204
WO14085974 A1	20140612	WO2012CN085812	20121204

Priority:

WO2012CN085812 20121204

Probable Assignee: KIMBERLY CLARK CORP

Assignee(s): (std): KIMBERLY CLARK CO ; MIAO LIN ; KIMBERLY CLARK WORLDWIDE INC ; PU CHUN LEI ; KIMBERLY CLARK CORP ; HAO XUEEN GEORGE ; KIMBERLI KLARK WORLDDVAJD INK

Assignee(s): KIMBERLY CLARK CHINA CO LTD

Inventor(s): (std): HAO XUEEN GEORGE ; MIAO LIN ; PU CHUN LEI ; MYAO LIN ; KHAO SYUEEN DZHORDZH ; PU CHUN LEI ; CHUN LEI PU ; XUEEN GEORGE HAO ; LIN MIAO ; PU CHUNLEI ; HAO XUEEN

Agent(s): MADDERNS PATENT AND TRADE MARK ATTORNEYS; SPRUSON AND FERGUSON; DAVIES CHRISTOPHER ROBERT; DORITY AND MANNING PA; PANAWELL AND PARTNERS LLC

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