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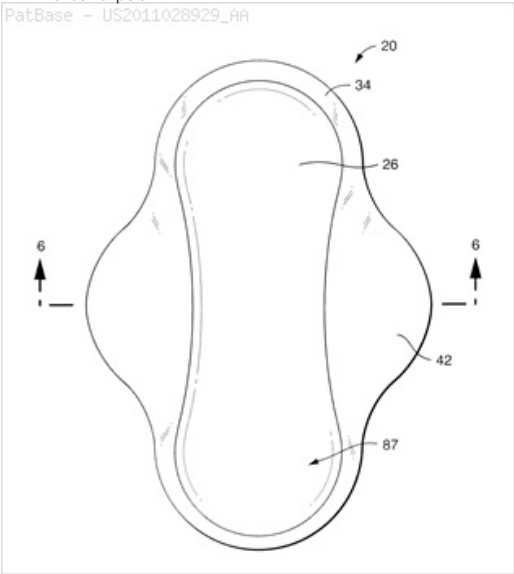
Search 1: CIELAB OR (CIE w1 LAB) (Results 9689)
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Search 4: OPACIT* w1 AREA* (Results 153)
Search 5: PD<20150511 (Results 1000000)
Search 6: 1 and 2 and 3 and 5 (Results 45)
Search 7: 6 not rotating (Results 27)

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



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

Title: PROCESS FOR PREPARING COLOR-STABLE WATER-ABSORBING POLYMER PARTICLES WITH A LOW DEGREE OF NEUTRALIZATION

Abstract: The present invention relates to a process for producing water-absorbing polymeric particles by polymerizing a monomer solution comprising at least one ethylenically unsaturated acid-functional monomer less than 55 mol percent neutralized and drying the resulting polymeric gel by means of a heated gas stream in at least two temperature zones.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/49 A61F13/53 A61L15/22 A61L15/60 B01J20/26 C08F20/04 C08F20/06 C08F220/06 C08F222/10 C08F6/06 C08F6/10 C08J3/12 C08L33/02 F26B17/04 F26B21/06 (Advanced/Invention); C08L33/02 (Advanced/Non-invention);

A61F13/15 A61L15/16 B01J20/22 C08F20/00 C08F6/00 C08J3/12 F26B17/00 F26B21/06 (Core/Invention)

CPC: C08F220/06 A61L15/60 C08F6/10 C08F222/1006 F26B17/04 F26B21/06

European: A61L15/60 C08F220/06 C08F6/10 F26B17/04 F26B21/06 M08F222/10B

US: 252/194 252/194P 502/402 526/317.1 528/503

JP F-Term: 3B200 3B200/AA01 3B200/AA03 3B200/BA01 3B200/BA20 3B200/BB18 3B200/CA02 3B200/CA11 3B200/EA05

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4J100/AL79 4J100/AL92 4J100/AM15 4J100/AN13 4J100/AQ21 4J100/BA03 4J100/BA08 4J100/CA03 4J100/CA04 4J100/DA37

4J100/DA61 4J100/EA03 4J100/EA05 4J100/EA09 4J100/FA03 4J100/FA19 4J100/GC19 4J100/GC25 4J100/GC26 4J100/GC32

4J100/GD19 4J100/JA19 4J100/JA60

JP F-Index: A41B13/02/D A61F13/15/320 A61F13/18/307/B A61L15/24/200 A61L15/60/200 C08F20/04 C08F6/06

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JP5167263 B2	20130321	JP20090528696T	20070917
US2010001233 AA	20100107	US20070438217	20070917
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WO08034786 A1	20080327	WO2007EP59759	20070917

Priority:

EP20060120881 20060919 EP20070820241 20070917 WO2007EP59759 20070917

Probable Assignee: BASF SE

Assignee(s): (std): BASF SE ; BRAIG VOLKER ; FUNK RUEDIGER ; BASF AG

Assignee(s): BASF AKTIENGESELLSCHAFT

Inventor(s): (std): BRAIG VOLKER ; FUNK RUEDIGER ; RUEDIGER FUNK ; VOLKER BRAIG

Agent(s): MARSHALL GERSTEIN AND BORUN LLP; BASF AKTIENGESELLSCHAFT

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

Title: DELIVERY SYSTEMS FOR A TOOTH WHITENER

Abstract: Delivery systems for whitening teeth are provided. The delivery system includes a strip of material sized to cover a front surface of a plurality of teeth and a layer of a tooth whitening substance in contact with the strip of material. The tooth whitening substance includes a gelling agent and a whitening active selected from the group consisting of peroxides, metal chlorites, perborates, percarbonates, peroxyacids, hypochlorites, and combinations thereof. The delivery system further includes a release liner having a coating thereon, wherein the release liner exhibits less affinity for the tooth whitening substance than the tooth whitening substance exhibits for itself and for the strip of material.

Classifications:

International (ipc 8-9): A61C13/23 A61C17/00 A61C19/06 A61C5/00 A61F13/02 A61K33/40 A61K6/00 A61K6/02 A61K7/16 A61K7/20 A61K8/00 A61K8/02 A61K8/18 A61K8/21 A61K8/22 A61K8/24 A61K8/34 A61K8/38 A61K8/46 A61K9/00 A61K9/70 A61Q11/00 A61Q11/02 C09J201/00 C09J7/02 G09F3/02 G09F3/10 (Advanced/Invention); A61C17/00 A61F13/02 A61K6/00 A61K8/22 A61K9/00 A61K9/70 A61Q11/00 C09J201/00 G09F3/02 G09F3/10 (Advanced/Non-invention); A61C13/225 A61C19/00 A61C5/00 A61F13/02 A61K33/40 A61K6/00 A61K6/02 A61K8/00 A61K8/18 A61K8/19 A61K8/30 A61K9/00 A61Q11/00 A61Q11/02 C09J201/00 C09J7/02 G09F3/02 G09F3/10 (Core/Invention)

International (ipc 1-7): A61C13/23 A61C17/00 A61C19/06 A61C5/00 A61F13/00 A61F13/02 A61K A61K33/40 A61K47/30 A61K6/00 A61K6/02 A61K7/00 A61K7/16 A61K7/20 A61K9/00 A61K9/70 B32B7/06 C09J7/02 G09F3/02 G09F3/10

CPC: A61K8/24 A61K2800/52 A61K2800/87 Y10T428/14 Y10T428/1495 Y10T428/15 C09J2201/20 C09J2423/046 C09J2427/005 C09J2467/006 A61C19/063 A61C19/066 A61K6/0023 C08L33/08 C08L1/28 C08L39/06 A61K33/40 A61K8/0208 A61K8/02 A61K8/347 A61K8/4973 A61K8/66 A61K8/8111 A61K8/8141 A61K9/006 A61K9/0063 A61K2800/262 A61K31/09 A61K31/341 A61K8/22 A61Q11/00 C09J7/403 C09J7/20

European: A61C19/06B A61C19/06B1 A61K6/00 A61K7/16P A61K7/20 A61K8/02 A61K8/02C A61K8/22 A61K8/24 A61K8/34F A61K8/49H A61K8/66 A61K8/81C2 A61K8/81K A61K9/00M18D A61K9/00M18E A61Q11/00 C09J7/02 C09J7/02H4 K61C19/06B1 K61K201/012 K61K201/06 K61K201/115 K61K201/142 K61K800/262 K61K800/52 K61K800/87 M09J201/20 M09J423/04S M09J427/00R M09J467/00S

US: 1/1 106/35 424/401 424/401P 424/435 424/443 424/448 424/449 424/49 424/49P 424/49S 424/52 424/52P 424/52S 424/53 424/53P 424/53S 424/54 424/57 424/57P 424/57S 424/613 428/40.1 428/42.3 428/43 433/136 433/138 433/141 433/146 433/215 433/216 433/216S 433/217.1 433/217.100 433/217.100S 433/80 433/89

JP F-Term: 4C076 4C076/AA09 4C076/AA71 4C076/AA88 4C076/AA94 4C076/AA95 4C076/BB22 4C076/CC04 4C076/CC05 4C076/CC09 4C076/CC16 4C076/CC21 4C076/CC29 4C076/CC31 4C076/EE03 4C076/EE06 4C076/EE07 4C076/EE09 4C076/EE24 4C076/EE48 4C076/FF31 4C089 4C089/AA20 4C089/BA11 4C089/BA16 4C089/BA20 4C089/BE01 4C089/CA03 4C079 4J004 4J004/AA06 4J004/AB01 4J004/CA01 4J004/CA04 4J004/CB02 4J004/CB03 4J004/CC03 4J004/CC04 4J004/CE03 4J004/DA01 4J004/DA05 4J004/DB02 4J004/DB03 4J004/DB05 4J004/EA06 4J004/FA01 4J004/FA09 4J040 4J040/JA09 4J040/JB09 4J040/JC09 4J040/KA01 4J040/MA02 4J040/MA09 4J040/MA10 4J040/MA11 4J040/MA12 4J040/NA02 4J040/NA03 4J040/NA05 4J040/PA21 4J040/PA23 5C091 4C083 4C083/AB03/2 4C083/AB05/1 4C083/AB28/2 4C083/AB41/1 4C083/AB41/2 4C083/AB50/2 4C083/AC11/1 4C083/AC12/1 4C083/AC12/2 4C083/AC46/1 4C083/AC46/2 4C083/AC86/2 4C083/AD05/2 4C083/AD09/2 4C083/CC41 4C083/DD47 4C083/EE35 4C083/AB27/2 4C083/DD12 4C083/EE01 4C083/EE06

JP F-Index: A61K6/00/Z A61K9/00 A61F13/02/380 C09J201/00 C09J7/02/Z C09J7/24 C09J7/29 C09J7/38 C09J7/40 G09F3/02/M G09F3/10/H A61K7/20 A61K8/18 A61K8/22 A61K8/34 A61K8/38 A61Q11/00 A61K8/02 A61Q11/02

PatBase - US2001053375_AA

Patent Application Publication Dec. 20, 2001 Sheet 1 of 10 US 2001/0053375 A1

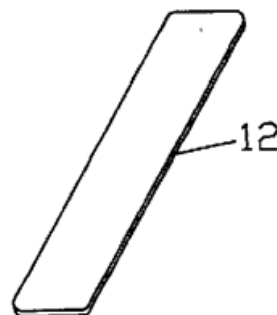


Fig. 1 .

Family:

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Priority:

US19970870664	19970606	US19980042909	19980317	EP19980924999	19980602
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Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): BERNHEIM SUE E ; DIRKSING ROBERT S ; MAJETI SATYANARAYANA ; PROCTER AND GAMBLE ; PROCTER AND GAMBLE CO ; RALSTON CHRISTOPHER S ; SAGEL PAUL ALBERT ; ROHMAN FREDERICK JAMES ; SHAHIDI HOOMAN ; SAGEL PAUL A ; ROHMAN FREDERICK J ; RENO ELIZABETH A ; WALDEN GARY L ; SUNBERG RICHARD J ; GOODHART LESLE M

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Inventor(s): (std): BERNHEIM SUE E ; BERNHEIM SUE ELLEN ; CHRISTOPHER SCOTT RALSTON ; DIRKSING R S ; DIRKSING R STANLEY ; DIRKSING ROBERT ; DIRKSING ROBERT S ; DIRKSING ROBERT SANLEY ; DIRKSING ROBERT STANLEY ; DIRKSING ROBERT STEHNLI ; DIRKSING STANLEY ; BERNHEIM ELLEN ; BERNHEIM S E ; GARY LYLE WALDEN ; GOODHART L M ; GOODHART LESLE M ; GOODHART LESLE MARIE ; GOODHART LESLIE MARIE ; GOODHART MARIE ; GOODHART MARIE LESLE ; HOOMAN SHAHIDI ; LYL GOODHART LESLE MARIE BERNH ; MAJETI SATYANARAYANA ; MARIE LESLE GOODHART ; P ALBERT SAGEL ; PAUL ALBERT SAGEL ; RALSTON CHRISTOPHER S ; RALSTON CHRISTOPHER SCOTT ; RALSTON SCOTT ; RENO ELIZABETH A ; RENO ELIZABETH ANN ; RICHARD JOSEPH SUNBERG ; ROBERT STANLEY DIRKSING ; ROHMAN E J ; ROHMAN F J ; ROHMAN FREDERICK ; ROHMAN FREDERICK J ; ROHMAN FREDERICK JAMES ; ROHMAN JAMES ; ROKHMEHN FREDERIK DZHEJMS ; SAGEL ALBERT ; SAGEL L M GOODHART S E BERNHEI ; SAGEL P A ; SAGEL P ALBERT ; SAGEL PAUL ; SAGEL PAUL A ; SAGEL PAUL ALBERT ; R STANLEY DIRKSING ; SEJDZHEL POL AL BERT ; SHAHIDI HOOMAN ; SUE ELLEN BERNHEIM ; SUNBERG JOSEPH ; SUNBERG RICHARD J ; SUNBERG RICHARD JOSEPH ; WALDEN GARY L ; WALDEN GARY LYLE ; WALDEN LYLE

Inventor(s): WALDEN GARY ; SUNBERG RICHARD ; SEJDZHEL POL AL'BERT ; RALSTON CHRISTOPHER ; SE BERNHEIM ; RS DIRKSING ; S E BERNHEIM ; ROBERT SANLEY DIRKSING ; RENO ELIZABETH ; R S DIRKSING ; PA SAGEL ; P A SAGEL ; L M GOODHART ; L M GOODHART S E BERNHEIM P A SAGEL ; LESLE MARIE GOODHART ; LM GOODHART ; LM GOODHART SE BERNHEIM PA SAGEL ; GOODHART LESLE MARIE BERNHEIM SUE ELLEN SAGEL ; GOODHART LESLE MARIE BERNHEIM SUE ELLEN SAGEL PAUL ; GOODHART LESLE ; BERNHEIM SUE ; E J ROHMAN ; EJ ROHMAN ; F J ROHMAN ; FREDERICK JAMES ROHMAN

Agent(s): PHILLIPS ORMONDE FITZPATRICK; BERESKIN AND PARR LLP SENCRL SRL; BERESKIN AND PARR; JIMENA ESCOBAR URIBE; SOGA MICHITERU; SOGA MICHIHARU; THE PROCTER AND GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION; PROCTER AND GAMBLE CO 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; JAMES C; KAREN F; AMANDA T

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 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 UZ VN YU ZA ZW

Title: ABSORBENT ARTICLE HAVING A MULTI-COMPONENT VISUAL SIGNAL

Abstract: An absorbent article having a central colored region, an intermediate colored region, an outer colored region, and a background region. The intermediate colored region can be between the central colored region and the outer colored region. The intermediate colored region can substantially circumscribe the central colored region. The central colored region, intermediate colored region, and outer colored region differ in color from the background region.

Classifications:

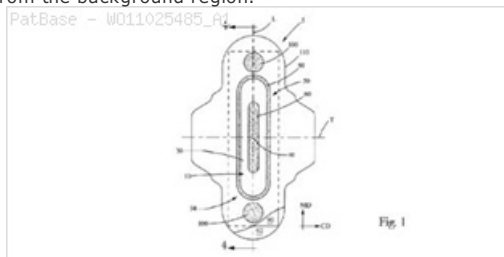
International (IPC 8-9): A61F13/15 A61F13/42
A61F13/511 (Advanced/Invention)

CPC: A61F13/47 A61F13/511 A61F13/42 A61F13/84 A61F2013/15243

European: A61F13/42 A61F13/511 A61F13/84 K61F13/15J3

JP F-Term: 3B200 3B200/AA01 3B200/AA03 3B200/BA20
3B200/BB03 3B200/CA11 3B200/DA25 3B200/DC10

JP F-Index: A41B13/02/R A61F13/18/310 A61F13/511/500



Family:

Publication number	Publication date	Application number	Application date
BR112012004290 A2	20160308	BR20121104290	20090827
CN102481211 A	20120530	CN200980161112	20090827
CN102481211 B	20141217	CN200980161112	20090827
EP2470137 A1	20120704	EP20090791964	20090827
IN01519DN2012 A	20160831	IN2012DN01519	20120221
JP2013502976 T2	20130131	JP20120526700T	20090827
JP5497179 B2	20140521	JP20120526700T	20090827
WO11025485 A1	20110303	WO2009US55104	20090827

Priority:

WO2009US55104 20090827

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): HAMMONS JOHN LEE ; HOOD LISA JUNE ; LARSON SIGNE CHRISTINA ; OETJEN DAVID CHRISTOPHER ; PROCTER AND GAMBLE ; PROCTER AND GAMBLE CO

Assignee(s): THE PROCTER AND GAMBLE COMPANY

Inventor(s): (std): HAMMONS JOHN LEE ; HOOD LISA JUNE ; JUNE HOOD LISA ; LARSON SIGNE CHRISTINA ; LEE HAMMONS JOHN ; CHRISTINA LARSON SIGNE ; CHRISTOPHER OETJEN DAVID ; OETJEN DAVID CHRISTOPHER

Inventor(s): SIGNE CHRISTINA LARSON ; DAVID CHRISTOPHER OETJEN ; LISA JUNE HOOD ; JOHN LEE HAMMONS

Agent(s): KREMER VERONIQUE MARIE JOSEPHINE; NAGAI HIROSHI; THE PROCTER AND GAMBLE COMPANY

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

Title: ABSORBENT ARTICLE HAVING A MULTILAYER VISUAL SIGNAL

Abstract: An absorbent article and method of making an absorbent article. The absorbent article has a first layer and a second layer in facing relationship with one another. The first layer has a first imparted colored region coincident with the longitudinal centerline. The second layer has a second imparted colored region laterally more extensive in a direction orthogonally away from the longitudinal centerline than the first imparted colored region. The second imparted colored region extends across the longitudinal centerline and has free ends. The absorbent article has a background region. The first imparted colored region and the second imparted colored region differ in color as compared to the background region.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/42 A61F13/472

A61F13/511 (Advanced/Invention)

CPC: A61F13/47 A61F13/84 A61F13/42 A61F13/511 A61F2013/15243

European: A61F13/42 A61F13/511 A61F13/84 K61F13/15J3

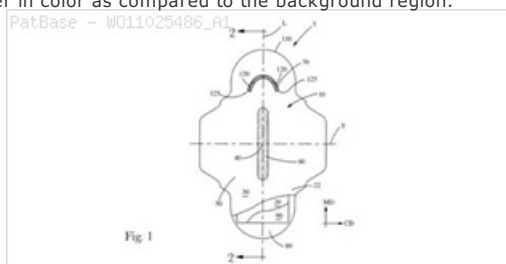
JP F-Term: 3B200 3B200/AA03 3B200/BA15 3B200/BB03

3B200/BB09 3B200/CA11 3B200/DA25 3B200/DC01 3B200/DC02

3B200/DC07 3B200/DC09 3B200/EA07 3B200/EA27

JP F-Index: A61F13/15/390 A61F13/18/310/Z A61F13/18/360

A61F13/511/400 A61F13/511/500



Family:

Publication number	Publication date	Application number	Application date
BR112012004292 A2	20160308	BR20121104292	20090827
CA2770136 AA	20110303	CA20092770136	20090827
CA2770136 C	20140923	CA20092770136	20090827
CN102573724 A	20120711	CN200980161113	20090827
CN102573724 B	20140604	CN200980161113	20090827
EP2470138 A1	20120704	EP20090791966	20090827
IN01554DN2012 A	20160831	IN2012DN01554	20120221
JP2013502977 T2	20130131	JP20120526701T	20090827
JP5497180 B2	20140521	JP20120526701T	20090827
MX2012001996 A1	20120229	MX20120001996	20090827
WO11025486 A1	20110303	WO2009US55108	20090827

Priority:

WO2009US55108 20090827

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): HAMMONS JOHN LEE ; HOOD LISA JUNE ; LARSON SIGNE CHRISTINA ; OETJEN DAVID CHRISTOPHER ; PROCTER AND GAMBLE

Assignee(s): THE PROCTER AND GAMBLE COMPANY ; PROCTER AND GAMBLE CO ; PROCTER AND GAMBLE COWORLD SHAVING HEADQUARTERS/LEGAL PATENT DEPARTMENT - 3EONE GILLETTE PARKBOSTONMA02127US

Inventor(s): (std): OETJEN DAVID CHRISTOPHER ; HOOD LISA JUNE ; HAMMONS JOHN LEE ; LARSON SIGNE CHRISTINA ; CHRISTINA LARSON SIGNE ; JUNE HOOD LISA ; CHRISTOPHER OETJEN DAVID ; LEE HAMMONS JOHN

Inventor(s): HOOD LISA JUNEUS ; OETJEN DAVID CHRISTOPHERUS ; LARSON SIGNE CHRISTINAUS ; HAMMONS JOHN LEEUS ; LISA JUNE HOOD ; JOHN LEE HAMMONS ; SIGNE CHRISTINA LARSON ; DAVID CHRISTOPHER OETJEN

Agent(s): MBM INTELLECTUAL PROPERTY LAW LLP; KREMER VERONIQUE MARIE JOSEPHINE; NAGAI HIROSHI; THE PROCTER AND GAMBLE COMPANY

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

Title: ABSORBENT ARTICLE WITH COLOR MATCHED SURFACES

Abstract: A disposable absorbent article having a backsheet, a topsheet and an absorbent element. The topsheet, backsheet, and the absorbent element has an imparted color in which each of the imparted colors for the aforementioned elements are color matched. Color matching exists when the colors are contained within a specified CIE Lab color space volume, have a specified hue difference, or have a total color difference.

Classifications:

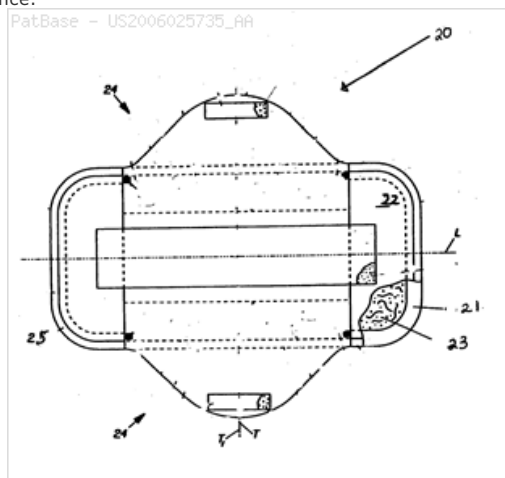
International (IPC 8-9): A61F13/15 A61F13/511 A61F13/512
A61F13/513 A61F13/514 A61F13/56 (Advanced/Invention);
A61F13/15 (Core/Invention)

International (IPC 1-7): A61F13/15

CPC: A61F13/51496 A61F13/511 A61F13/514 A61F13/84
A61F2013/8497 A61F13/5611 A61F13/512 A61F13/51394
A61F13/5616

European: A61F13/511 A61F13/514

US: 604/385.01 604/385.010P 604/385.04 604/385.05 604/385.050P
604/385.23 604/385.230S



Family:

Publication number	Publication date	Application number	Application date
EP1778150 A2	20070502	EP20050777643	20050729
US2006025735 AA	20060202	US20040902819	20040730
US2010298800 AA	20101125	US20100848344	20100802
US2015141948 AA	20150521	US20140541747	20141114
US2017165132 AA	20170615	US20170444970	20170228
WO06015202 A2	20060209	WO2005US26957	20050729

Priority:

US20040902819 20040730 WO2005US26957 20050729 US20100848344 20100802
US20140541747 20141114 US20170444970 20170228

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): BERG CHARLES J JR ; BERG CHARLES JOHN JR ; BERG JR CHARLES JOHN ; HASSE MARGARET H ;
HASSE MARGARET HENDERSON ; HASSEE MARGARET HENDERSON ; PROCTER AND GAMBLE

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

Inventor(s): (std): HASSE MARGARET HENDERSON ; HASSEE MARGARET HENDERSON ; BERG JR CHARLES JOHN ; HASSE
MARGARET H ; BERG CHARLES JOHN JR ; BERG CHARLES J JR

Inventor(s): BERG CHARLES ; HASSE MARGARET ; BERG CHARLES JOHN ; BERG CHARLES JJR

Agent(s): THE PROCTER AND GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION; PROCTER AND GAMBLE
CO INTELLECTUAL PROPERTY DIVISION; THE PROCTER AND GAMBLE COMPANY, GLOBAL LEGAL
DEPARTMENT - IP; PROCTER AND GAMBLE CO GLOBAL LEGAL DEPARTMENT IP

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 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: ABSORBENT ARTICLE WITH COLOR SURFACES

Abstract: A disposable absorbent article having a backsheet, a topsheet and an absorbent element. The topsheet, backsheet, and the absorbent element has an imparted color in which at least two elements of the imparted colors for the aforementioned elements have an Lss value of greater than about 60 and a Css value of greater than about 6.

Classifications:

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

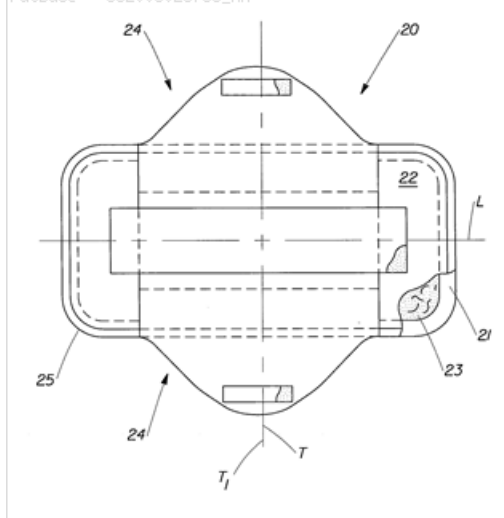
A61F13/15 (Core/Invention)

CPC: A61F13/84 A61F2013/15016

European: A61F13/84 K61F13/15A6

US: 604/385.01 604/385.010P

PatBase - US2006025736_AA



Family:

Publication number	Publication date	Application number	Application date
US2006025736 AA	20060202	US20040902884	20040730
WO06015205 A2	20060209	WO2005US26960	20050729
WO06015205 C1	20060420	WO2005US26960	20050729

Priority:

US20040902884 20040730

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): BERG CHARLES JOHN JR ; HASSE MARGARET HENDERSON ; PROCTER AND GAMBLE

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

Inventor(s): (std): BERG CHARLES J JR ; BERG CHARLES JOHN JR ; HASSE MARGARET H ; HASSE MARGARET HENDERSON

Inventor(s): BERG CHARLES JOHN ; BERG CHARLES ; HASSE MARGARET ; BERG CHARLES JJR

Agent(s): THE PROCTER AND GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION

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 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: ABSORBENT ARTICLE WITH COLOR MATCHED SURFACES

Abstract: A disposable absorbent article comprising a front waist region, a rear waist region, and a crotch region, wherein said absorbent article further comprises at least three **discrete** elements each comprising at least one visible surface; wherein at least three or more of the visible surfaces comprise an imparted color wherein said colors are color matched. Color matching exists when said colors are contained within a specified **CIE Lab** color space volume, have a specified hue difference, or total color difference.

Classifications:

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

A61F13/514 (Advanced/Invention);

A61F13/15 (Core/Invention)

International (IPC 1-7): A61F13/15

CPC: A61F13/15203 A61F2013/15243

European: A61F13/15J

US: 1/1 604/385.01

JP F-Term: 3B200 3B200/AA01 3B200/AA03 3B200/AA11

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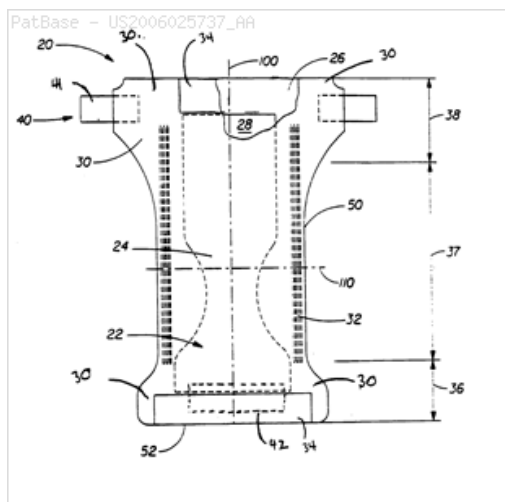
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3B200/CA07 3B200/CA08 3B200/CA09 3B200/CA11 3B200/DA02

3B200/DA25 3B200/DC02 3B200/DD02 3B200/DD09 3B200/DE20

3B200/EA07 3B200/EA08

JP F-Index: A41B13/02/F A61F13/514/400



Family:

Publication number	Publication date	Application number	Application date
CA2575600 AA	20070129	CA20052575600	20050729
CA2575600 C	20110510	CA20052575600	20050729
CN101022772 A	20070822	CN200580025861	20050729
CN101022772 B	20101208	CN200580025861	20050729
EP1778148 A2	20070502	EP20050777381	20050729
JP2008507386 T2	20080313	JP20070523843T	20050729
MX2007001179 A1	20081024	MX20070001179	20050729
US2006025737 AA	20060202	US20040903004	20040730
US2016074235 AA	20160317	US20150950629	20151124
US2016074236 AA	20160317	US20150950652	20151124
US2016338878 AA	20161124	US20160195054	20160628
US2017312138 AA	20171102	US20170653909	20170719
US9226857 BB	20160105	US20040903004	20040730
US9408753 BB	20160809	US20150950629	20151124
US9724244 BB	20170808	US20160195054	20160628
US9737441 BB	20170822	US20150950652	20151124
US10195089 BB	20190205	US20170653909	20170719
WO06015207 A2	20060209	WO2005US26962	20050729

Priority:

US20040903004 20040730 WO2005US26962 20050729 US20150950629 20151124
 US20150950652 20151124 US20160195054 20160628 US20170653909 20170719

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): DANIELS WALTER DOUGLAS ; HSUEH KESYIN FUGGER ; LITCHHOLT JOHN JOSEPH ; PROCTER AND GAMBLE ; PROCTER AND GAMBLE PLAZA ; SONG LIMIN

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

Inventor(s): (std): DANIELS WALTER D ; DANIELS WALTER DOUGLAS ; DOUGLAS DANIELS WALTER ; FUGGER HSUEH KESYIN ; HSUEH KESYIN F ; HSUEH KESYIN FUGGER ; JOSEPH LITCHHOLT JOHN ; JOSEPH SONG LIMIN HSUEH KESYIN ; LITCHHOLT JOHN J ; LITCHHOLT JOHN JOSEPH ; SONG LIMIN ; LIMIN SONG

Inventor(s): LITCHHOLT JOHN ; DANIELS WALTER ; SONG LIMIN HSUEH KESYIN FUGGER DANIELS WALTER ; WALTER DOUGLAS DANIELS ; SONG LIMIN HSUEH KESYIN FUGGER DANIELS WALTER DOUGLAS LITCHHOLT JOHN JOSEPH ; KESYIN FUGGER HSUEH ; JOHN JOSEPH LITCHHOLT ; HSUEH KESYIN

Agent(s): DIMOCK STRATTON LLP; WILSON LUE LLP; NAGAI HIROSHI; THE PROCTER AND GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION; ABBEY A; RICHARD L; ERIC T; SARAH M; HAGERTY ANDREW J; DECRISTOFARO SARAH M; ALEXANDER RICHARD L

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 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: ABSORBENT ARTICLE WITH COLOR SURFACES

Abstract: A tampon having an absorbent member. Optionally, the tampon can have an overwrap and/or a skirt portion. The absorbent member and the overwrap have an imparted color in which each of the imparted colors for the aforementioned elements have an Lss value of greater than about 60 and a Css value of greater than about 6.

Classifications:

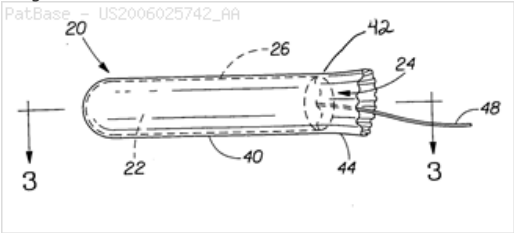
International (IPC 8-9): A61F13/20 A61F13/26 (Advanced/Invention);
A61F13/20 (Core/Invention)

International (IPC 1-7): A61F13/20 A61F13/26

CPC: A61F13/202 A61F13/2077 A61F13/26

European: A61F13/20 A61F13/26

US: 604/385.01 604/385.18



Family:

Publication number	Publication date	Application number	Application date
EP1778151 A1	20070502	EP20050777369	20050729
US2006025742 AA	20060202	US20040902820	20040730
WO06015203 A1	20060209	WO2005US26958	20050729

Priority:

US20040902820 20040730 WO2005US26958 20050729

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): BERG CHARLES JOHN JR ; HASSE MARGARET HENDERSON ; PROCTER AND GAMBLE

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

Inventor(s): (std): BERG CHARLES JOHN JR ; HASSE MARGARET HENDERSON ; HASSE MARGARET H ; BERG CHARLES J JR

Inventor(s): BERG CHARLES JOHN ; BERG CHARLES ; BERG CHARLES JJR ; HASSE MARGARET

Agent(s): THE PROCTER AND GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION

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 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: ABSORBENT ARTICLE WITH COLOR MATCHED SURFACES

Abstract: A tampon having an absorbent member. Optionally, the tampon can have an overwrap and/or a skirt portion. Color matching exists when the colors are contained within a specified **CIE Lab** color space volume, have a specified hue difference, or have a total color difference.

Classifications:

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

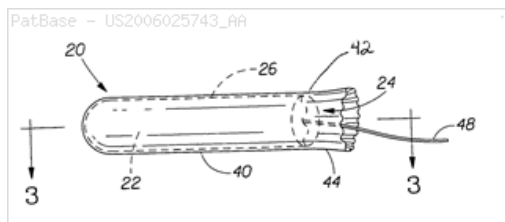
A61F13/20 (Core/Invention)

International (IPC 1-7): A61F13/20

CPC: A61F13/2077 A61F13/202 A61F13/2082

European: A61F13/20

US: 604/385.01 604/385.18



Family:

Publication number	Publication date	Application number	Application date
EP1778152 A2	20070502	EP20050777374	20050729
US2006025743 AA	20060202	US20040903221	20040730
WO06015204 A2	20060209	WO2005US26959	20050729

Priority:

US20040903221 20040730 WO2005US26959 20050729

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): BERG CHARLES JOHN JR ; HASSE MARGARET HENDERSON ; PROCTER AND GAMBLE

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

Inventor(s): (std): BERG CHARLES J JR ; BERG CHARLES JOHN JR ; HASSE MARGARET H ; HASSE MARGARET HENDERSON

Inventor(s): BERG CHARLES JOHN ; BERG CHARLES ; HASSE MARGARET ; BERG CHARLES JJR

Agent(s): THE PROCTER AND GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION

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 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: ABSORBENT ARTICLE WITH CONTRASTING WRAPPER GRAPHICS

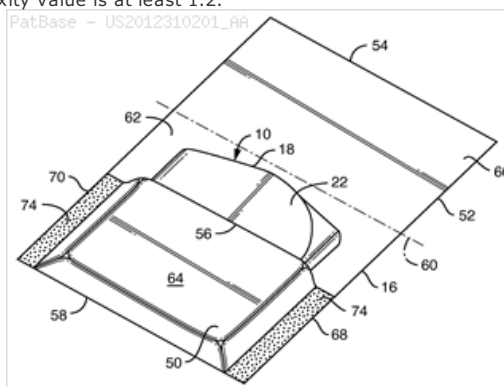
Abstract: A product includes an absorbent article contained within a pouch. The absorbent article includes a first graphic and the pouch includes a second graphic which is different than the first graphic. The pouch is at least partially translucent and the absorbent article is arranged in the pouch such that at least a portion of the first graphic is visible through the pouch. The first graphic defines a first complexity value and the second graphic defines a second complexity value wherein the difference between the first complexity value and the second complexity value is at least 1.2.

Classifications:

International (IPC 8-9): A61F13/551 A61F13/84 (Advanced/Invention)

CPC: A61F13/84 A61F13/5514 A61F2013/8497

US: 604/385.02 604/385.19



Family:

Publication number	Publication date	Application number	Application date
US2012310201 AA	20121206	US20110152493	20110603
US8939955 BB	20150127	US20110152493	20110603

Priority:

US20110152493 20110603

Probable Assignee: KIMBERLY CLARK CORP

Assignee(s): (std): KIMBERLY CLARK CO ; OATES SUSAN MARY

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

Inventor(s): (std): OATES SUSAN MARY

Agent(s): KIMBERLY CLARK WORLDWIDE INC

Title: SHEET MATERIALS HAVING IMPROVED SOFTNESS

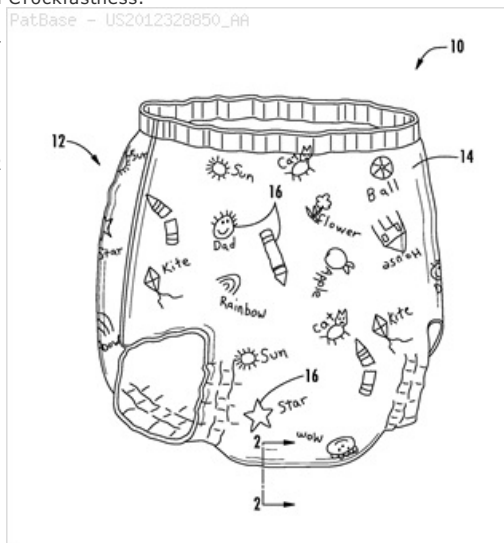
Abstract: As disclosed herein, an article defining a visible surface includes a sheet material, an ink composition overlaying the sheet material, and a softening agent overlaying the ink composition, wherein the ink composition is positioned between the sheet material and the softening agent. For example, the softening agent may be selected from the group consisting of erucamide, cetyl 2-ethylhexanone, ethylhexyl stearate, ethylhexyl hydroxyetate, perfluorinated dimethicone, and so forth. The articles have reduced static coefficient of friction and maintain oil Crockfastness.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/49 A61F13/53 A61F13/84 A61L15/10 A61L15/22 B31D1/00 B32B3/10 B32B5/00 B32B5/02 (Advanced/Invention)

CPC: B32B7/12 B32B27/205 B32B27/32 B32B2255/24 B32B2262/0253 B32B2264/104 B32B2307/4023 B32B2307/41 B32B2307/718 B32B2307/724 B32B2307/75 B32B2555/02 B32B27/12 A61F13/51405 A61F2013/8497 B32B2305/026 B32B5/022 Y10T428/24802 A61F13/84

US: 428/195.1 493/320 604/365

**Family:**

Publication number	Publication date	Application number	Application date
AU2012277510 AA	20130103	AU20120277510	20120521
BR112013030947 A2	20161206	BR20131130947	20120521
EP2723294 A2	20140430	EP20120804133	20120521
EP2723294 A4	20150304	EP20120804133	20120521
KR20140034251 A	20140319	KR20137034126	20120521
MX2013014634 A1	20140211	MX20130014634	20120521
US2012328850 AA	20121227	US20110169633	20110627
US2012330258 AA	20121227	US20120370655	20120210
WO13001381 A2	20130103	WO20121B52544	20120521
WO13001381 A3	20130221	WO20121B52544	20120521
WO13001418 A2	20130103	WO20121B53119	20120620
WO13001418 A3	20130221	WO20121B53119	20120620

Priority:

US20110169633 20110627 US20120370655 20120210 WO20121B52544 20120521

Probable Assignee: KIMBERLY CLARK CORP

Assignee(s): (std): KIMBERLY CLARK CO ; MCCORMACK ANN ; PORUTHOOR SIMON ; YAHIAOUI ALI

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

Inventor(s): (std): MCCORMACK ANN ; PORUTHOOR SIMON ; YAHIAOUI ALI

Inventor(s): SIMON PORUTHOOR ; ALI YAHIAOUI ; ANN MCCORMACK

Agent(s): SPRUSON AND FERGUSON; ZIMMERMANN AND PARTNER; FLACK STEVEN D ET AL; WILSON PATRICK C 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

Title: LIQUID ABSORBENT THERMOPLASTIC COMPOSITION COMPRISING SUPERABSORBENT MATERIAL PARTICLES OF SUBSTANTIALLY ANGLE-LACKING SHAPE

Abstract: The present invention relates to a liquid absorbent thermoplastic composition, which contains particles of a superabsorbent material having angle-lacking shapes. Said composition is particularly suitable to be used in absorbent articles for personal hygiene, specifically in disposable absorbent articles, which preferably comprise one or more regions in which they are transparent. In particular, the absorbent core of such transparent absorbent articles can be made from the liquid absorbent thermoplastic composition of the present invention.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/49 A61F13/53 A61K8/73 A61L15/42 A61L15/58 A61L15/60 B01J20/24 B01J20/26 B01J20/28 C08L1/00 C08L3/00 C08L5/00 C08L89/00 D21H19/50 (Advanced/Invention); A61F13/15 A61K8/72 A61L15/16 B01J20/22 B01J20/28 C08L1/00 C08L3/00 C08L5/00 C08L89/00 D21H19/00 (Core/Invention)

International (IPC 1-7): A61F13/15 A61L15/42 A61L15/58 A61L15/60 B32B27/00 B32B9/04 C08L53/00

CPC: Y10T428/31504 Y10T428/31855 A61L15/42 A61L15/58 A61L15/60

European: A61L15/42 A61L15/58 A61L15/60

US: 428/411.1 428/5 428/500 523/111 524/13 524/17 524/21 524/25 524/27 524/47 524/55 525/54.3 525/88

JP F-Term: 3B029 3B200 3B200/AA01 3B200/AA03 3B200/AA15 3B200/BA14 3B200/BB18 4C003 4G066 4G066/AC03 4G066/AC17 4G066/AC35 4G066/AE20 4G066/BA09 4G066/BA11 4G066/BA20 4G066/BA28 4G066/BA36 4G066/BA42 4G066/CA20 4G066/CA43 4G066/DA11 4G066/DA12 4G066/DA13 4G066/EA05

JP F-Index: A41B13/02/D A61F13/18/307/B A61F13/42/B A61F13/53/300 A61L15/22/200 A61L15/58/200 A61L15/60/200 B01J20/24/B B01J20/26/D B01J20/28/A

PatBase - US2004058159_AA

Patent Application Publication Mar. 25, 2004

US 2004/0058159 A1



Fig. 1



Fig. 2

Family:

Publication number	Publication date	Application number	Application date
AU2003275211 AA	20040419	AU20030275211	20030924
BRPI0314755 A	20050726	BR2003PI14755	20030924
CA2498606 AA	20050310	CA20032498606	20030924
CA2498606 C	20091027	CA20032498606	20030924
CN100349619 C	20071121	CN20038022719	20030924
CN1684719 A	20051019	CN20038022719	20030924
EP1402905 A1	20040331	EP20020021368	20020924
IN00834DN2005 A	20090320	IN2005DN00834	20050303
IN247117 B	20110401	IN2005DN00834	20050303
JP2006500215 T2	20060105	JP20040540221T	20030924
MXPA05002777 A1	20050606	MX2005PA02777	20030924
US2004058159 AA	20040325	US20030670043	20030924
US7321007 BB	20080122	US20030670043	20030924
WO04028575 A1	20040408	WO2003US30068	20030924

Priority:

EP20020021368 20020924 WO2003US30068 20030924

Probable Assignee: PROCTER AND GAMBLE CO

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

Assignee(s): PROCTER AND GAMBLE CO ; THE PROCTER AND GAMBLE COMPANY ; VEGLIO PAOLO ; CARLUCCI GIOVANNI ; D ADDARIO ROBERTO ; GAGLIARDI IVANO

Inventor(s): (std): GIOVANNI CARLUCCI ; IVANO GAGLIARDI ; PAOLO GAGLIARDI IVANO CARLUCCI ; PAOLO VEGLIO ; ROBERTO D ADDARIO ; VEGLIO PAOLO ; ROBERTO DADDARIO ; CARLUCCI GIOVANNI ; D ADDARIO ROBERTO ; DADDARIO ROBERTO ; GAGLIARDI IVANO

Inventor(s): GAGLIARDI IVANO CARLUCCI GIOVANNI D ADDARIO ; GAGLIARDI IVANO CARLUCCI GIOVANNI D ADDARIO ROBERTO VEGLIO PAOLO

Agent(s): MBM INTELLECTUAL PROPERTY LAW LLP; FOOSE GARY J; JOHNSON KEVIN C; WEIRICH DAVID M; GARY J; KEVIN C; DAVID M

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 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 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 UZ VC VN YU ZA ZM ZW

Title: PRINTED SUBSTRATE WITH VARIABLE LOCAL ATTRIBUTES

Abstract: A printed substrate exhibiting local variation in color density of a given color within one or more printed areas of the substrate. The printed substrate comprises a substrate color density, a background color density, and a print element color density. The background color density is greater than the substrate color density.

Classifications:

International (IPC 8-9): B41M5/00 (Advanced/Invention);

A61F13/00 A61F13/15 (Advanced/Non-invention);

B41M5/00 (Core/Invention);

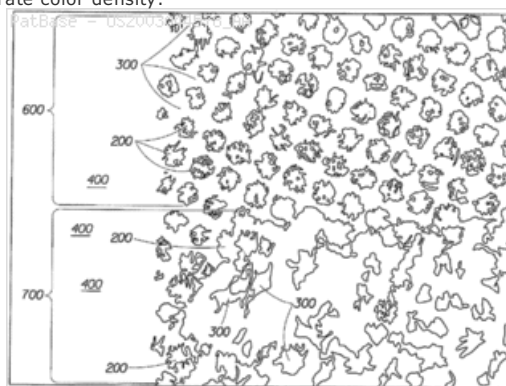
A61F13/00 A61F13/15 (Core/Non-invention)

International (IPC 1-7): B32B3/00

CPC: B41M5/00 A61F2013/00153 A61F2013/15243 Y10T428/24355
Y10T428/24479 Y10T428/24802

European: B41M5/00 K61F13/00J5 K61F13/15J3

US: 428/141 428/156 428/195 428/195.1



Family:

Publication number	Publication date	Application number	Application date
US2003044578 AA	20030306	US20010929132	20010814
US2004058130 AA	20040325	US20030657320	20030908

Priority:

US20010929132 20010814

US20030657320 20030908

Probable Assignee:

NISSING NICHOLAS JAMES

Assignee(s): (std):

NISSING NICHOLAS JAMES

Assignee(s):

PROCTER AND GAMBLE CO

Inventor(s): (std):

NISSING NICHOLAS JAMES

Title: PATCH MATERIAL

Abstract: A patch having a layer structure that a pressure sensitive adhesive layer is provided on one surface of a base layer, wherein the base layer is an elastomer film having a thickness of 1 to 10 micro m, the thickness of the pressure sensitive adhesive layer is 1 to 15 micro m, the total thickness of the base layer and the pressure sensitive adhesive layer is within a range of from 2 to 20 micro m, the 10 percent tensile load of the patch in each of machine and transverse directions is 0.01 to 1.2 N/10 mm, assuming that the 10 percent tensile load value of the patch in the machine direction is X (N/10 mm), the thickness value of the patch is Y (micro m), and the thickness value of the base layer is Z (micro m), the patch satisfies the relationship of $XY=0.02$ to 15, or $XZ=0.01$ to 7, and the pressure sensitive adhesive layer exhibits adhesive strength of 0.1 N/10 mm or more.

Classifications:

International (IPC 8-9): A45D40/30 A45D44/22 A61F A61F13/02 A61K A61K47/32 A61K47/34 A61K8/02 A61K8/72 A61K8/81 A61K8/87 A61K9/70 A61L A61L15/58 A61Q1/00 A61Q19/00 A61Q19/08 A61Q90/00 B32B B32B25/08 B32B7/06 C09J C09J133/06 C09J133/08 C09J7/02 C09J7/04 (Advanced/Invention); A45D44/22 A61F13/02 A61K47/32 A61K47/34 A61K9/70 A61L15/58 B32B25/08 B32B7/06 (Advanced/Non-invention); A45D44/00 A61F13/02 A61K47/32 A61K47/34 A61K8/02 A61K9/70 A61L15/16 B32B25/00 B32B7/06 C09J7/02 (Core/Invention); A61F A61K A61L B32B C09J (Subclass/Invention)

International (IPC 1-7): A61K8/02

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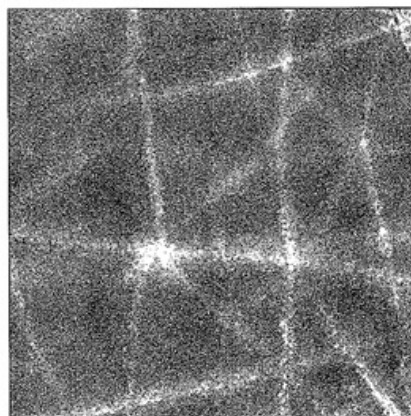
European: A61F13/02 A61K8/02C A61Q19/08

US: 132/200 132/319 132/319S 602/52 602/52P 602/54 602/54S

JP F-Term: 3B039 4C076 4C076/AA73 4C076/AA74 4C076/BB31 4C076/EE10 4C076/EE22 4C076/FF70 4C079 4C081 4C081/AA03 4C081/AA12 4C081/BB03 4C081/CA08 4C081/CA21 4C081/DA02 4C081/DB07 4C083 4C083/AD07 4C083/AD09 4C083/CC02 4C083/CC50 4C083/DD12 4C083/EE06 4C083/EE07 4C083/EE50 4C076/AA72 4C076/EE07 4C076/EE09 4C076/EE12 4C076/FF02 4C081/CA10 4C081/CB01 4C081/CC01 4C081/DC03 4C081/EA02 4C081/EA06 4J004 4J004/AA10 4J004/AB01 4J004/CA06 4J004/CB03 4J004/CC02 4J004/EA06 4J004/FA08 4J004/FA09 4J040 4J040/DF01 4J040/DF03 4J040/DF06 4J040/DF09 4J040/GA05 4J040/GA07 4J040/GA12 4J040/GA13 4J040/GA22 4J040/JA09 4J040/JB09 4J040/NA02

JP F-Index: A45D44/22/B A61F13/02 A61K47/32 A61K47/34 A61K8/02 A61K8/81 A61K8/87 A61K9/70/401 A61L15/06 A61L15/24/100 A61L15/26/100 A61L15/42/100 A61L15/58/100 A61Q1/00 A61Q19/00 A61F13/02/310/D A61F13/02/310/J A61F13/02/310/M A61F13/02/310/Z C09J133/06 C09J7/02/Z C09J7/25 C09J7/38

PatBase - US2010217171_AA



Family:

Publication number	Publication date	Application number	Application date
AU2008305253 AA	20090402	AU20080305253	20080603
BRPI0817020 A2	20141007	BR2008PI17020	20080603
CA2698827 AA	20090402	CA20082698827	20080603
CA2698827 C	20140909	CA20082698827	20080603
CN101801322 A	20100811	CN200880108106	20080603
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CN101842075 B	20120125	CN200880107812	20080603
DE602008027169 D1	20131024	DE200860027169T	20080603
EP2191810 A1	20100602	EP20080765004	20080603
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EP2191810 B1	20180103	EP20080765004	20080603
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EP2193769 A4	20120502	EP20080765005	20080603
EP2193769 B1	20130828	EP20080765005	20080603
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HK1145432 A1	20130913	HK20100111921	20101221
HK1145432 B	20130913	HK20100111921	20101221
IN01218DN2010 A	20100806	IN2010DN01218	20100222
JP2009041121 A1	20110120	JP20090534214T	20080603
JP2009041122 A1	20110120	JP20090534215T	20080603
JP4672799 B1	20110420	JP20090534214T	20080603
JP4672799 B2	20110420	JP20090534214T	20080603
JP4755284 B1	20110824	JP20090534215T	20080603
JP4755284 B2	20110824	JP20090534215	20080603
KR101463644 B1	20141119	KR20107006461	20080603
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KR20100075449 A	20100702	KR20107006460	20080603
KR20100075450 A	20100702	KR20107006461	20080603
MX2010003147 A1	20100809	MX20100003147	20080603
MY148572 A	20130430	MY20100000574	20080603
RU2010116729 A	20111110	RU20100116729	20080603
RU2457827 C2	20120810	RU20100116729	20080603
TW200918636 A	20090501	TW20080136252	20080922
TWI392718 B	20130411	TW20080136252	20080922
US2010217171 AA	20100826	US20080675952	20080603
US2010282269 AA	20101111	US20080676951	20080603
WO09041121 A1	20090402	WO2008JP60191	20080603

WO09041122 A1	20090402	WO2008JP60192	20080603
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Priority:

JP20070256570 20070928 EP20080765005 20080603 WO2008JP60191 20080603
WO2008JP60192 20080603 JP20090534215 20080603

Probable Assignee: NICHIBAN CO LTD

Assignee(s): (std): FUJISAWA HIROMICHI ; FUKANO KENJI ; KANESHIGE MAMI ; KAZKI INT CORP ; KAZKI INTERNEHSHNL CORP ; UCHIDA KAZUKO ; TAKAGI YASUYO ; WATANABE SHUICHI ; NICHIBAN KK ; NITIBAN KO LTD ; YUGEN KAISHA KAZKI REIKO

Assignee(s): YUGEN KAISHA KAZKI REIKOSAMON ELEVEN BUILDING 4F3-1 SAMON-CHOSHINJUKU-KUTOKYOJP ; NICHIBAN CO LTD3-3, SEKIGUCHI 2-CHOMEBUNKYO-KU112-8663TOKYOJP ; UCHIDA KAZUKO3-1, SAMON-CHOSAMON ELEVEN BUILDING 4FC/O YUGEN KAISHA REIKOSHINJUKU-KU160-0017 TOKYOJP ; KAZUKO UCHIDA ; KAZKI INTERNEHSHNL KORPOREJSHN ; NITIBAN KO ; NICHIBAN CO ; NICHIBAN CO LTD ; KAZKI INT CORP3 SAMON-CHOSAMON ELEVEN BUILDINGSHINJUKU-KUTOKYOJP

Inventor(s): (std): HIROMICHI FUJISAWA ; KAZUKO UCHIDA ; KENJI FUKANO ; MAMI KANESHIGE ; SHUICHI WATANABE ; YASUYO TAKAGI ; WATANABE SHUICHI ; FUJISAWA HIROMICHI ; VATANABE SUITI ; UTIDA KAZUKO ; TAKAGI JASUJO ; KANESIGE MAMI ; FUKANO KENDZI ; FUDZISAVA KHIROMITI ; FUKANO KENJI ; UCHIDA KAZUKO ; TAKAGI YASUYO ; KANESHIGE MAMI

Inventor(s): FUKANO KENJIJP ; FUJISAWA HIROMICHIJP ; KANESHIGE MAMIJP ; TAKAGI YASUYOJP ; WATANABE SHUICHIJP ; UCHIDA KAZUKO3-1, SAMON-CHOSAMON ELEVEN BUILDING 4FC/O YUGEN KAISHA REIKOSHINJUKU-KU160-0017 TOKYOJP

Agent(s): SPRUSON AND FERGUSON; KIRBY EADES GALE BAKER; JONES HELEN M M; GILL JENNINGS AND EVERY LLP; JONES HELEN MM; DE ELZABURU ALBERTO; ZHONGZI IP; PORTER WRIGHT MORRIS AND ARTHUR LLP INTELLECTUAL PROPERTY GROUP; NISHIKAWA SHIGEAKI 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 SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: ABSORBENT ARTICLES WITH PRINTED GRAPHICS 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. Additional aspects of the present disclosure involve printing graphics including a repeating pattern on a substrate in order to provide the graphic with a perceived three-dimensional pattern. The three-dimensional pattern may resemble protrusions and indentations indicative of threads in embroidered designs and/or associated stitching used to affix sewn graphic patches to substrates. As such, the graphic exhibits an embroidered appearance.

Classifications:

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

A61F13/514 (Advanced/Invention)

CPC: A61F13/49 A61F2013/15243 A61F2013/8497

European: A61F13/49 K61F13/15J3 K61F13/84G

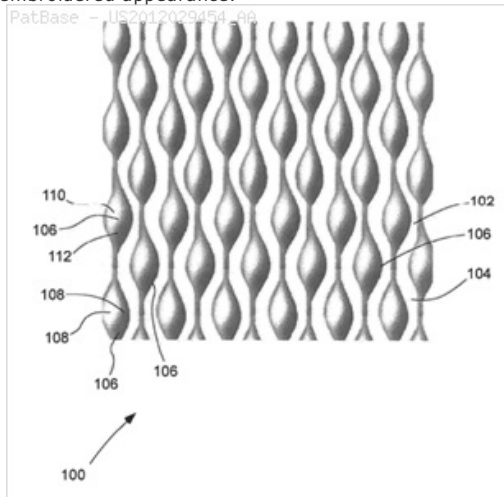
US: 604/367 604/367P 604/385.01 604/385.010S

JP F-Term: 3B200 3B200/BB03 3B200/BB09 3B200/CA02

3B200/CA11 3B200/DA25 3B200/DD09 3B200/EA08

JP F-Index: A41B13/02/F A41B13/02/S A61F13/511/500

A61F13/514/310 A61F13/514/400



Family:

Publication number	Publication date	Application number	Application date
BR112013000594 A2	20160705	BR20131100594	20110726
CA2806107 AA	20130118	CA20112806107	20110726
CN103025287 A	20130403	CN201180036626	20110726
EP2598095 A1	20130605	EP20110744146	20110726
JP2013532529 T2	20130819	JP20130520902T	20110726
US2012029454 AA	20120202	US20110189613	20110725
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WO12015803 A9	20120405	WO2011US45324	20110726

Priority:

US20100367900P 20100727

US20110189613 20110725

WO2011US45324 20110726

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): DENMON ANGELLI SUE ; DOBRIN GEORGE CHRISTOPHER ; LI WENBIN ; PROCTER AND GAMBLE ; ROBERTSON TIMOTHY WAYNE ; WARNER ALRICK VINCENT

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

Inventor(s): (std): DENMON ANGELLI SUE ; DOBRIN GEORGE CHRISTOPHER ; WARNER ALRICK VINCENT ; ROBERTSON TIMOTHY WAYNE ; LI WENBIN

Inventor(s): TIMOTHY WAYNE ROBERTSON ; ANGELLI SUE DENMON ; GEORGE CHRISTOPHER DOBRIN ; WENBIN LI ; ALRICK VINCENT WARNER

Agent(s): DIMOCK STRATTON LLP; WILSON LUE LLP; KREMER VERONIQUE MARIE JOSEPHINE; NAGAI HIROSHI; THE PROCTER AND GAMBLE COMPANY

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

Title: DISCRETION IN ABSORBENT GARMENTS

Abstract: A hygiene discretion system includes at least two articles where at least one is an absorbent garment including a shell with an absorbent member attached to the shell and at least one non-absorbent garment. The shell of the disposable absorbent garment substantially matches the non-absorbent garment. In some aspects, a secondary garment is also provided which coordinates with one of the other garments. In some aspects, replacement garments are provided. Any number of the garments may be placed in the same container.

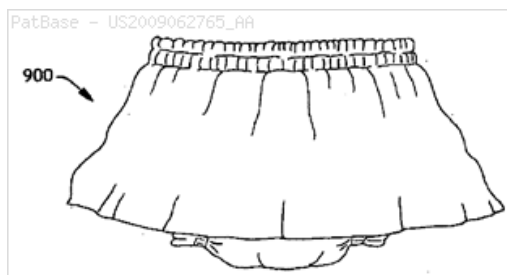
Classifications:

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

CPC: A61F13/505

European: A61F13/505

US: 604/358 604/358S 604/393 604/393P



Family:

Publication number	Publication date	Application number	Application date
US2009062765 AA	20090305	US20070897907	20070831
WO09027884 A2	20090305	WO20081B52823	20080714
WO09027884 A3	20090423	WO20081B52823	20080714

Priority:

US20070897907 20070831

Probable Assignee: KIMBERLY CLARK CORP

Assignee(s): (std): KIMBERLY CLARK CO ; MORTELL HEATHER S ; SCHERMERHORN JAMES R

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

Inventor(s): (std): MORTELL HEATHER S ; SCHERMERHORN JAMES R

Agent(s): KIMBERLY CLARK WORLDWIDE INC CATHERINE E WOLF; ROSIEJKA BRYAN R 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 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: STRUCTURALLY DURABLE, DRAPEABLE BREATHABLE BARRIER FILM COMPOSITIONS AND ARTICLES

Abstract: A thermoplastic film, and the articles thereof, consisting essentially of vinyl copolymer which exhibits sufficient structural durability and enhanced drapeability suitable for application as a breathable barrier layer in disposable end-use articles such as disposable hygiene and protective medical/industrial products. A preferred form of the vinyl copolymer are those selected from the ethylenic acrylates, with ethylene methyl acrylate being most preferred. Melt additives can be compounded with the ethylene methyl acrylate prior to extrusion include colorants, softening agents, UV stabilizers, and surface energy modifiers such as anti-static, hydrophobic and hydrophilic compounds.

Classifications:

International (IPC 8-9): A61F13/15 A61L15/24 B32B27/12 C08J5/18 (Advanced/Invention);

A61F13/15 A61L15/16 B32B27/12 C08J5/18 (Core/Invention)

International (IPC 1-7): A61F13/15 C08J

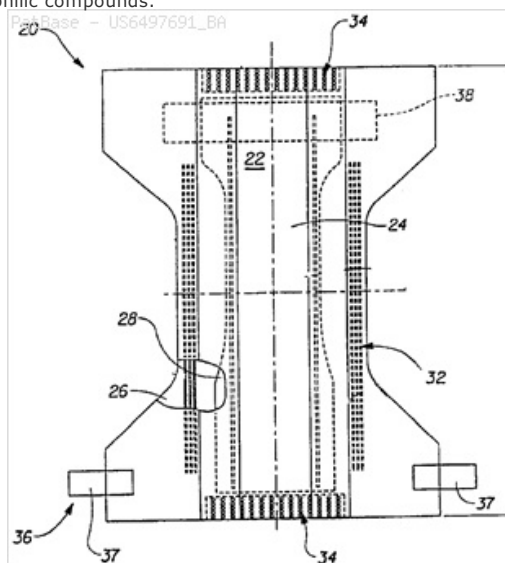
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A61F13/51405 A61F13/51462 A61F2013/15284 A61F2013/15552

A61L15/24 B32B27/12 C08J5/18

European: A61F13/15C3 A61F13/514A2 A61F13/514B1B A61L15/24 B32B27/12 C08J5/18 K61F13/15J8 K61F13/15J8T1

US: 604/317 604/367 604/385.01



Family:

Publication number	Publication date	Application number	Application date
AU2002323375 AA	20030310	AU20020323375	20020823
EP1423070 A2	20040602	EP20020757354	20020823
EP1423070 A4	20070822	EP20020757354	20020823
US6497691 BA	20021224	US20010939353	20010824
WO03018670 A2	20030306	WO2002US26935	20020823
WO03018670 A3	20031218	WO2002US26935	20020823

Priority:

US20010939353 20010824 WO2002US26935 20020823

Probable Assignee: AVINTIV SPECIALTY MATERIALS INC

Assignee(s): (std): POLYMER GROUP INC

Assignee(s): FNA ACQUISITION INC ; FNA POLYMER CORP ; LORETUX CORP ; PGI EUROPE INC ; PGI POLYMER INC ; PNA CORP ; POLY BOND INC ; POLYONIX SEPARATION TECHNOLOGIES INC ; PRISTINE BRANDS CORP ; TECHNITICS GROUP INC ; JPMORGAN CHASE BANK ; WILMINGTON TRUST CO COLLATERAL AGENT AS ; US BANK NATIONAL ASSOCIATION COLLATERAL AGENT AS ; AVINTIV SPECIALTY MATERIALS INC ; AVINTIV SPECIALTY MATERIALS INC F K A POLYMER GROUP INC ; BANK OF AMERICA NA ABL COLLATERAL AGENT AS ; CITICORP NORTH AMERICA INC ; CHICOPEE INC ; BONLAM INC ; CITIBANK NA COLLATERAL AGENT AS ; BONLAM (SC) INC ; BONLAM SC INC ; DOMINION TEXTILE INC ; FABPRO ORIENTED POLYMERS INC ; FABRENE CORP ; FABRENE GROUP LLC ; FIBERGOL CORP ; FIBERTECH GROUP INC ; CITICORP NORTH AMERICA INC COLLATERAL AGENT AS ; 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 ; CREDIT SUISSE CAYMAN ISLANDS BRANCH TERM COLLATERAL AGENT AG AS

Inventor(s): (std): BEVINS ERRETTE ; SANTISTEBAN JORGE

Inventor(s): ERRETTE BEVINS ; JORGE SANTISTEBAN

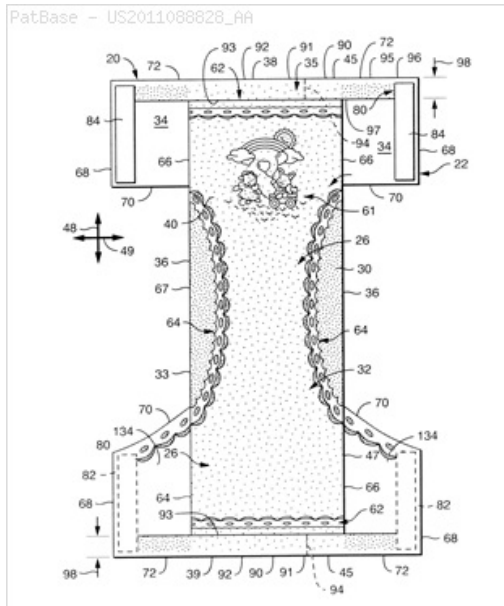
Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK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

Title: DISPOSABLE ABSORBENT ARTICLES INCORPORATING BLACK-FREE COLORANTS

Abstract: A disposable absorbent article is presenting having multiple components and including an inspection region subject to inspection using infrared radiation, wherein the inspection region includes a junction of two components; and a printed graphic in the inspection region, wherein the ink used to print the graphic includes no carbon black colorant such that the printed graphic is substantially transparent to infrared radiation. In addition, a disposable absorbent article having multiple components includes a printed graphic in an inspection region subject to inspection using infrared radiation, the printed graphic including black ink having no carbon black colorant such that the printed graphic is substantially transparent to infrared radiation.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/51 A61F13/514
A61F13/84 A61L15/56 B32B3/10 B32B38/00 B65B57/00 G01N21/25
G01N21/35 G01N21/3554 G06K9/00 (Advanced/Invention);
A61F13/15 (Advanced/Non-invention)
CPC: B65B57/00 A61F13/51496 A61F2013/15243 A61F2013/15788
A61F2013/15796 G01N21/3554 Y10T428/24802 Y10T428/2481
A61F13/15764 A61F2013/1578 A61F2013/8497 A61F13/15772
A61F13/84
European: A61F13/514D A61F13/84 K61F13/15J3 S01N21/35
US: 1/1 156/64 156/64P 382/141 382/141S 428/195.1 428/195.100S
428/196 428/196S

**Family:**

Publication number	Publication date	Application number	Application date
AU2010308100 AA	20110421	AU20100308100	20100901
AU2010308100 BB	20140109	AU20100308100	20100901
CN102573742 A	20120711	CN201080046380	20100901
CN102573742 B	20150527	CN201080046380	20100901
DE602010024376 D1	20150603	DE201060024376T	20100901
EP2488142 A2	20120822	EP20100823117	20100901
EP2488142 A4	20131009	EP20100823117	20100901
EP2488142 B1	20150429	EP20100823117	20100901
KR101738192 B1	20170519	KR20127009567	20100901
KR20120099405 A	20120910	KR20127009567	20100901
MX2012004346 A1	20120508	MX20120004346	20100901
RU2012119825 A	20131127	RU20120119825	20100901
RU2537755 C2	20150110	RU20120119825	20100901
US2011088828 AA	20110421	US20090580765	20091016
US2016361207 AA	20161215	US20160246987	20160825
US9456936 BB	20161004	US20090580765	20091016
US10172746 BB	20190108	US20160246987	20160825
WO11045683 A2	20110421	WO20101B53933	20100901
WO11045683 A3	20111110	WO20101B53933	20100901

Priority:

US20090580765 20091016 EP20100823117 20100901 WO20101B53933 20100901
US20160246987 20160825

Probable Assignee: KIMBERLY CLARK CORP

Assignee(s): (std): FAUBEL FRANK LAWRENCE ; GENKE NATHAN ALLEN ; KIMBERLY CLARK CO ; KIMBERLY CLARK CORP ; POOLE COLE WILLIAM ; RHODES BRIAN KEITH ; MEISEL TERRI LYNN ; SKABROUD MISEK JENNIFER LEIGH ; MELIUS SHANNON KATHLEEN ; MISEK JENNIFER LEIGH SKABROUD

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

Inventor(s): (std): LEIGH SKABROUD MISEK JENNIFER ; ALLEN GENKE NATHAN ; KEITH RHODES BRIAN ; LYNN MEISEL TERRI ; KATHLEEN MELIUS SHANNON ; WILLIAM POOLE COLE ; MEISEL TERRI LYNN ; PUL KOUL UIL JAM ; DZHENK NEJTAN ALLEN ; SKABROUD MISEK DZHENNIFER LEJ ; ROUDS BRAJAN KEJT ; MEL JUZ SHENNON KEHTLIN ; FAUBEL FRANK LAWRENCE ; RHODES BRIAN K ; POOLE COLE W ; MEISEL TERRI L ; MELIUS SHANNON K ; MISEK JENNIFER L ; GENKE NATHAN ALLEN ; POOLE COLE WILLIAM ; RHODES BRIAN KEITH ; MEISEL TERRI LYNN ; SKABROUD MISEK JENNIFER LEIGH ; MELIUS SHANNON KATHLEEN ; MISEK JENNIFER LEIGH SKABROUD

Inventor(s): JENNIFER LEIGH SKABROUD MISEK ; BRIAN KEITH RHODES ; TERRI LYNN MEISEL ; COLE WILLIAM POOLE ; SHANNON KATHLEEN MELIUS ; NATHAN ALLEN GENKE

Agent(s): SPRUSON AND FERGUSON; DEHNS; DAVIES CHRISTOPHER ROBERT; KIMBERLY CLARK WORLDWIDE INC; FIELDHACK RANDALL W 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 RO RS RU SC SD SE SG SI SK SL SM SN ST

SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: DETECTION OF VOLATILES IN PERSONAL CARE PRODUCTS

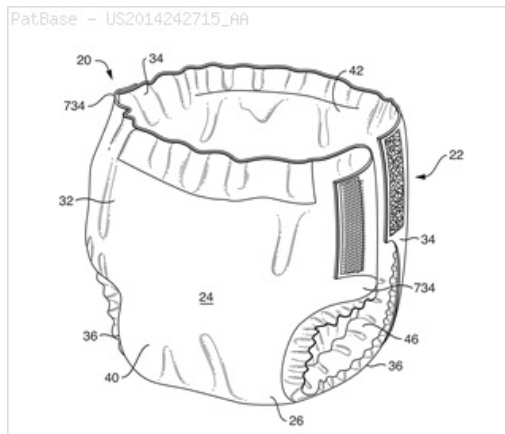
Abstract: Color-change compositions for detecting urine and feces volatiles include the following pH indicator dyes: m-Cresol Purple, Basic Fuchsin, Brilliant Blue G, Brilliant Blue R, Cresol Red and Thymol Blue. The compositions may be applied to various substrates. Such substrates may be used in the construction of a personal care absorbent article such as a diaper, training pant or incontinence garment.

Classifications:

International (IPC 8-9): A61F13/42 G01N21/78 G01N31/22 G01N33/52 (Advanced/Invention)

CPC: A61F13/42 G01N33/528 G01N31/221 G01N31/22

US: 436/164



Family:

Publication number	Publication date	Application number	Application date
AU2014222426 AA	20150924	AU20140222426	20140221
AU2018229447 AA	20181004	AU20180229447	20180912
BR112015018703 A2	20170718	BR20151118703	20140221
GB201516419 A0	20151028	GB20150016419	20140221
GB2532559 A1	20160525	GB20150016419	20140221
KR20150124963 A	20151106	KR20157024858	20140221
MX2015010402 A1	20151026	MX20150010402	20140221
MX360517 B	20181105	MX20150010402	20140221
US2014242715 AA	20140828	US20130780950	20130228
US2018106773 AA	20180419	US20170845482	20171218
WO14132172 A1	20140904	WO20141B59169	20140221

Priority:

US20130780950 20130228 AU20140222426 20140221 WO20141B59169 20140221
 US20170845482 20171218 AU20180229447 20180912

Probable Assignee: KIMBERLY CLARK CORP

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

Inventor(s): (std): RANGANATHAN SRIDHAR ; GIL JUNMO ; SONG XUEDONG ; NHAN DAVIS DANG HOANG ; NHAN DAVIS DANG H ; DAVIS DANG HOANG NHAN ; SRIDHAR RANGANATHAN ; JUNMO GIL ; XUEDONG SONG

Agent(s): MADDERNS PATENT AND TRADE MARK ATTORNEYS; SPRUSON AND FERGUSON; STOKER DENISE L ET AL

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

Title: APPLICATOR HAVING A COLOR GRADIENT

Abstract: An applicator having a color gradient. The applicator includes an outer member having a first end, a second end disposed opposite the first end, a longitudinal axis, a length measured along the longitudinal axis, and an exterior surface. The outer member further includes a color gradient extending along at least a portion of the length from a first region to a second region, the color gradient being visible by a user viewing the exterior surface of the outer member.

Classifications:

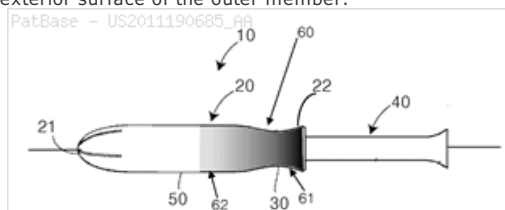
International (IPC 8-9): A61F13/20 A61F13/26 A61F13/32

A61F6/12 (Advanced/Invention)

CPC: A61F6/12 A61F13/26

European: A61F13/26

US: 600/37 604/11 604/14 604/14P 604/15



Family:

Publication number	Publication date	Application number	Application date
CA2787056 AA	20110804	CA20112787056	20110127
EP2528569 A1	20121205	EP20110703094	20110127
US2011190685 AA	20110804	US20100696105	20100129
US2013217960 AA	20130822	US20130857176	20130405
US8435205 BB	20130507	US20100696105	20100129
US8926547 BB	20150106	US20130857176	20130405
WO11094377 A1	20110804	WO2011US22669	20110127

Priority:

US20100696105 20100129

WO2011US22669 20110127

US20130857176 20130405

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): ARORA KELYN ANNE ; DALTON DAVID ANDREW ; HASSE MARGARET HENDERSON ; HOOD WILLIAM HOLLIS ; MINOGUCHI RYO ; ROESGEN JEFFREY TUPPER ; NEAL COLLEEN MARIE ; PROCTER AND GAMBLE

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

Inventor(s): (std): ARORA KELYN ANNE ; DALTON DAVID ANDREW ; HASSE MARGARET HENDERSON ; HOOD WILLIAM HOLLIS ; MINOGUCHI RYO ; NEAL COLLEEN MARIE ; ROESGEN JEFFREY TUPPER

Agent(s): MBM INTELLECTUAL PROPERTY LAW LLP; BRIATORE ANDREA; ANDREW J; AMANDA T; THE PROCTER AND GAMBLE COMPANY

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

Title: WEARABLE ABSORBENT ARTICLES WITH BONDED AND PRINTED FIBROUS MATERIALS

Abstract: Wearable absorbent articles with bonded and printed fibrous materials.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/49 A61F13/514

A61F13/56 A61F13/62 (Advanced/Invention)

CPC: A61F13/627 A61F13/5622 A61F13/51496 A61F2013/15243

European: A61F13/514D A61F13/56C A61F13/62 K61F13/15J3

US: 604/385.01 604/385.010P

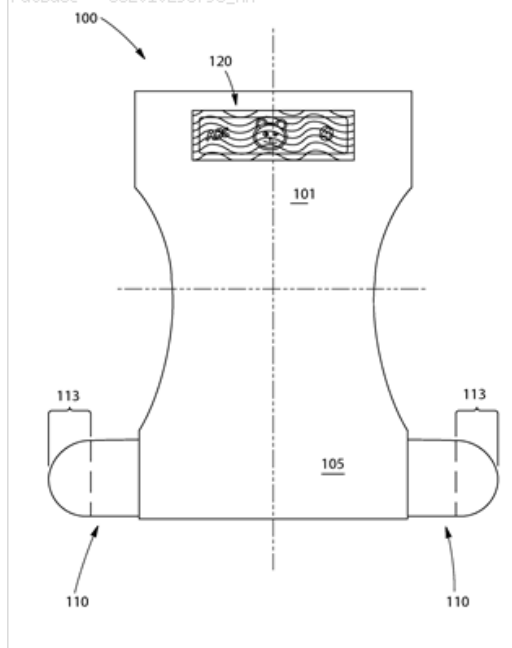
JP F-Term: 3B200 3B200/BB09 3B200/BB20 3B200/CA02

3B200/CA06 3B200/DA11 3B200/DD09 3B200/DE01 3B200/DE11

3B200/DE16 3B200/DE18 3B200/EA09 3B200/EA23

JP F-Index: A41B13/02/H A41B13/02/Z A61F13/51 A61F13/62/120

PatBase - US2010298796_AA



Family:

Publication number	Publication date	Application number	Application date
BRPI1010901 A2	20170207	BR2010PI10901	20100520
CA2762834 AA	20111118	CA20102762834	20100520
CN102438570 A	20120502	CN201080021968	20100520
CN106038083 A	20161026	CN201610471336	20100520
DE602010012353 D1	20140206	DE201060012353T	20100520
EP2432440 A1	20120328	EP20100732510	20100520
EP2432440 B1	20131211	EP20100732510	20100520
JP2012526642 T2	20121101	JP20120511073T	20100520
JP5254495 B2	20130807	JP20120511073T	20100520
US2010298796 AA	20101125	US20100783600	20100520
WO10135508 A1	20101125	WO2010US35542	20100520
WO10135512 A1	20101125	WO2010US35546	20100520
WO10135515 A1	20101125	WO2010US35549	20100520

Priority:

US20090180040P 20090520 US20090223477P 20090707 CN201080021968 20100520
EP20100732510 20100520 US20100783600 20100520 WO2010US35542 20100520

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): ASHRAF ARMAN ; HORN THOMAS ALEXANDER ; MALDONADO CLARISSA ; PROCTER AND GAMBLE ; SAUER ANDREW JAMES ; TURNER ROBERT HAINES

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

Inventor(s): (std): ANDREW JAMES SAUER ; ASHRAF ARMAN ; HORN THOMAS ALEXANDER ; MALDONADO CLARISSA ; ROBERT HAINES TURNER ; SAUER ANDREW JAMES ; THOMAS ALEXANDER HORN ; TURNER ROBERT HAINES ; JAMES SAUER ANDREW ; HAINES TURNER ROBERT ; CLARISSA MALDONADO ; ARMAN ASHRAF ; ALEXANDER HORN THOMAS

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

Title: METHOD FOR CREATING AN ABSORBENT ARTICLE EXHIBITING A HARMONIC COLOR SCHEME

Abstract: A method for coloring a disposable absorbent article comprising the steps of providing a plurality of elements each comprising at least one imparted color; wherein the imparted color was provided by a coloration technique, and joining at least two elements that were subjected to different coloration techniques to yield the disposable absorbent article; wherein the imparted colors of the elements subjected to the different coloration techniques are contained within a **CIE Lab** color space volume of less than about 190. The imparted colors of the elements subjected to the different coloration techniques may also be contained within a **CIE Lab** color space hue difference of less than about 4. The imparted colors of the elements subjected to the different coloration techniques may also be contained within a **CIE Lab** color space total color difference of less than about 10.

Classifications:

International (IPC 8-9): A61F13/15 A61F13/40 A61F13/49

B41F33/00 (Advanced/Invention);

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

International (IPC 1-7): A61F13/15

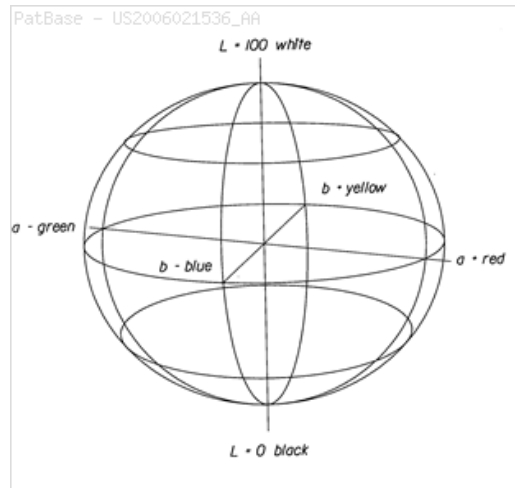
CPC: A61F13/15203

European: A61F13/15J

US: 101/483

JP F-Term: 3B200 3B200/AA01 3B200/AA03 3B200/BA20
3B200/BB03 3B200/BB06 3B200/BB09 3B200/BB14 3B200/CA02
3B200/CA11 3B200/DA25 3B200/DB02 3B200/DC02 3B200/DD02
3B200/DD09 3B200/DE20 3B200/EA01 3B200/EA07 3B200/EA08
3B200/EA09 3B200/EA30

JP F-Index: A41B13/02/S A61F13/15/300



Family:

Publication number	Publication date	Application number	Application date
CA2575590 AA	20070129	CA20052575590	20050729
CA2575590 C	20120110	CA20052575590	20050729
CN102247243 A	20111123	CN201110074486	20050729
CN102247243 B	20130807	CN201110074486	20050729
CN1988865 A	20070627	CN200580024911	20050729
EP1778149 A2	20070502	EP20050777470	20050729
JP2008507385 T2	20080313	JP20070523842T	20050729
MX2007000999 A1	20081024	MX20070000999	20050729
US2006021536 AA	20060202	US20040902998	20040730
WO06015206 A2	20060209	WO2005US26961	20050729

Priority:

US20040902998 20040730 WO2005US26961 20050729

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): DANIELS WALTER D ; DANIELS WALTER DOUGLAS ; HSUEH KESYIN F ; HSUEH KESYIN FUGGER ; LITCHHOLT JOHN J ; LITCHHOLT JOHN JOSEPH ; SONG LIMIN ; PROCTER AND GAMBLE

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

Inventor(s): (std): DANIELS WALTER D ; DANIELS WALTER DOUGLAS ; HSUEH KESYIN F ; HSUEH KESYIN FUGGER ; LITCHHOLT JOHN J ; LITCHHOLT JOHN JOSEPH ; SONG LIMIN ; LIMIN SONG ; JOSEPH SONG LIMIN HSUEH KESYIN

Inventor(s): JOHN JOSEPH LITCHHOLT ; KESYIN FUGGER HSUEH ; DANIELS WALTER ; SONG LIMIN HSUEH KESYIN FUGGER DANIELS WALTER ; WALTER DOUGLAS DANIELS ; SONG LIMIN HSUEH KESYIN FUGGER DANIELS WALTER DOUG ; LITCHHOLT JOHN ; HSUEH KESYIN

Agent(s): DIMOCK STRATTON LLP; WILSON LUE LLP; NAGAI HIROSHI; THE PROCTER AND GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION; PROCTER AND GAMBLE CO INTELLECTUAL PROPERTY DIVISION

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 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: 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 indentions 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

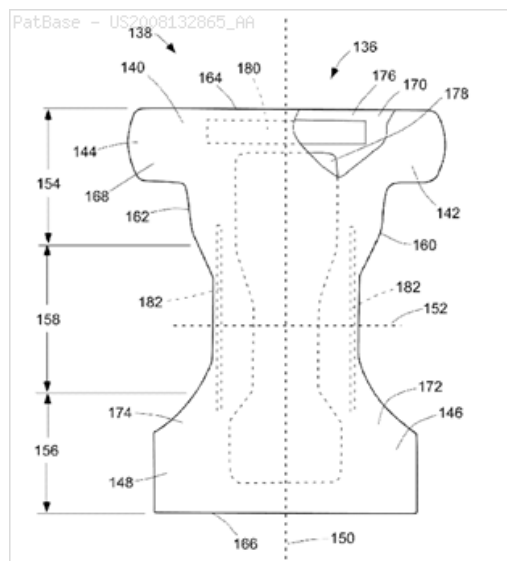
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European: A61F13/15 A61F13/42 B44F7/00

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

JP F-Term: 3B200 3B200/AA01 3B200/BA01 3B200/BB03
3B200/BB09 3B200/CA02 3B200/DA25 3B200/DC02 3B200/DD02
3B200/DD09 3B200/EA07 3B200/EA08

JP F-Index: A41B13/02/E A41B13/02/F A61F13/51 A61F13/511/500
A61F13/514/400 A61F13/56/210



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
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WO08065628 A3	20080807	WO2007IB54853	20071129
ZA200903451 A	20100428	ZA20090003451	20090519

Priority:

US20060861910P 20061129
US20100844022 20100727

US20070946969 20071129

WO2007IB54853 20071129

Probable Assignee: PROCTER AND GAMBLE CO

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

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

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

Title: WAISTBAND FOR AN ABSORBENT ARTICLE

Abstract: A waistband for an absorbent article having a waistband with differential extensibility and/or contraction along the circumference of the waist opening. The waistband may provide a uniform appearance along the circumference of the waist opening. The waistband may have a central zone and at least two outboard zones. The outboard zones of the waistband may be less contracted than the central zone, when the absorbent article is in a relaxed state.

Classifications:

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

B32B37/00 B32B38/00 (Advanced/Invention)

CPC: A61F13/15585 A61F13/15593 A61F13/49011

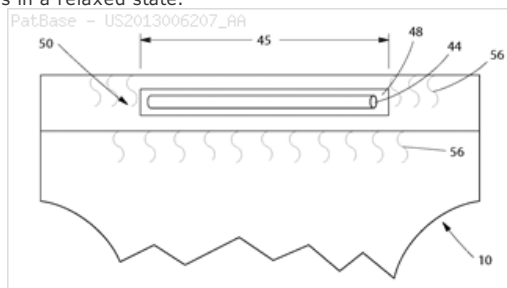
European: A61F13/49D2B

US: 1/1 156/160 604/385.01 604/385.3

JP F-Term: 3B200 3B200/AA01 3B200/BA08 3B200/BA12

3B200/BA13 3B200/BB11 3B200/CA05 3B200/DA01 3B200/DA25
3B200/EA12

JP F-Index: A41B13/02/T A61F13/49/311/Z

**Family:**

Publication number	Publication date	Application number	Application date
BR112013033062 A2	20170124	BR20131133062	20120629
CA2840457 AA	20131223	CA20122840457	20120629
CN103619297 A	20140305	CN201280031390	20120629
EP2726043 A1	20140507	EP20120735728	20120629
JP2014523298 T2	20140911	JP20140517265T	20120629
US2013006207 AA	20130103	US20110172095	20110629
US2016089273 AA	20160331	US20150964652	20151210
US9241841 BB	20160126	US20110172095	20110629
WO13003727 A1	20130103	WO2012US44943	20120629

Priority:

US20110172095 20110629 WO2012US44943 20120629 US20150964652 20151210

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): PROCTER AND GAMBLE ; ROE DONALD CARROLL ; TRENNPOHL MICHAEL DALE

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

Inventor(s): (std): ROE DONALD CARROL ; TRENNPOHL MICHAEL DALE ; ROE DONALD CARROLL

Inventor(s): DONALD CARROL ROE ; MICHAEL DALE TRENNPOHL

Agent(s): DIMOCK STRATTON LLP; KREMER VERONIQUE MARIE JOSEPHINE; NAGAI HIROSHI; SARAH M; ABBEY A; THE PROCTER AND GAMBLE COMPANY

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

Title: MEDICAL ACTIVE SUBSTANCE PATCH WITH REDUCED OPTICAL CONSPICUOUSNESS ON THE SKIN

Abstract: A medical active substance patch comprising a matrix of monolayer or multilayer configuration with at least one active substance-containing layer and comprising a backing layer connected with the matrix. The active substance patch is transparent or at least translucent, and in the state of having been applied to the skin of a first person, the patch has a lightness colour value L_1 at a place of the skin covered by the patch which is not less than 50 percent and not more than 200 percent of a lightness colour value L_2 , L_2 being the lightness value of the region of the skin of the same person which surrounds the applied patch. The same is true of the skin of a second or any other person, provided that for all the persons mentioned L_2 is in the range from 5 degrees to 100 degrees, namely from 20 degrees to 90 degrees.

Classifications:

International (IPC 8-9): A61F13/02 A61K A61K31/4439 A61K45/00 A61K8/02 A61K8/49 A61K9/70 A61L15/16

A61L15/56 (Advanced/Invention);

A61F13/02 A61K9/70 (Advanced/Non-invention);

A61F13/02 A61K9/00 A61K9/70 A61L15/16 (Core/Invention);

A61K (Subclass/Invention);

A61K (Subclass/Non-invention)

International (IPC 1-7): A61F13/02 A61K9/70 A61L15/42 A61L15/44

CPC: A61K9/703

European: A61K9/70E2

US: 424/448 424/448P 602/1 602/1S

JP F-Term: 4C076 4C076/AA76 4C076/BB31 4C076/CC01

4C076/FF37 4C076/AA71 4C076/EE31 4C076/FF02 4C076/GG50

4C083 4C083/AC85/1 4C083/AC85/2 4C083/CC02 4C083/DD12

4C083/EE06 4C083/EE07 4C084 4C084/AA17 4C084/MA32

4C084/NA03 4C084/NA10 4C086 4C086/AA01 4C086/AA02

4C086/BC17 4C086/GA01 4C086/GA07 4C086/GA08 4C086/MA32

4C086/NA03 4C086/NA10

JP F-Index: A61K9/70 A61K31/4439 A61K45/00 A61K8/02

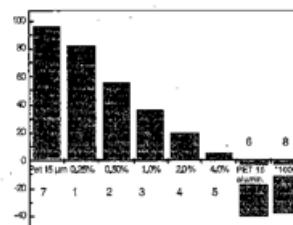
A61K8/49

PatBase - US2007116751_AA

Parent Application Publication May 24, 2007

US 2007/0116751 A1

FIG. 1



Family:

Publication number	Publication date	Application number	Application date
AT415954 E	20081215	AT20040726478T	20040408
AU2004229159 AA	20041028	AU20040229159	20040408
AU2004229159 BB	20100128	AU20040229159	20040408
BRPI0409889 A	20060523	BR2004PI09889	20040408
CA2522962 AA	20051017	CA20042522962	20040408
CA2522962 C	20111101	CA20042522962	20040408
CN100450472 C	20090114	CN200480010281	20040408
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EP1615628 B1	20081203	EP20040726478	20040408
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HK1079455 A1	20060407	HK20060102053	20060216
HK1079455 A3	20060407	HK20060102053	20060216
HK1079455 B	20090430	HK20060102053	20060216
IL171399 A0	20060312	IL20040171399	20040408
IL171399 A1	20150226	IL20040171399	20040408
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IN233565 B	20090327	IN2005DN04717	20051017
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JP5733875 B2	20150610	JP20060505058T	20040408
KR101052127 B1	20110726	KR20057019784	20040408
KR20050114724 A	20051206	KR20057019784	20040408
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NZ543195 A	20090430	NZ20040543195	20040408
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RU2336866 C2	20081027	RU20050129528	20040408
SI1615628 T1	20090430	SI20040031046T	20040408
US2007116751 AA	20070524	US20040553708	20040408
WO04091590 A1	20041028	WO2004EP03748	20040408
ZA200507034 A	20060531	ZA20050007034	20050902

Priority:

DE20031017692 20030417

EP20040726478 20040408

JP20060505058 20040408

Probable Assignee: LTS LOHMANN THERAPIE SYSTEME AG

Assignee(s): (std): BRACHT STEFAN ; LOHMANN THERAPIE SYST LTS ; LTS LOHMANN THERAPIE SYSTEMS A ; LTS LOMANN TERAPE ZJUSTEME AG

Assignee(s): LTS LOHMANN THERAPIE SYSTEMS AG ; LTS LOHMANN THERAPIE SYSTEME AG

Inventor(s): (std): STEFAN BRACHT ; BRACHT STEFAN ; BRACHT STEFAN

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; BLAKE CASSELS AND GRAYDON LLP; FLACCUS ROLF DIETER ET AL; SIT FUNG KWONG AND SHUM; LUZZATTO AND LUZZATTO; D PETER HOCHBERG

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

Title: ABSORBENT ARTICLE HAVING NONWOVEN LATERAL ZONES

Abstract: A disposable hygiene article for collecting bodily fluid having a body-facing surface, a garment facing-surface and an absorbent structure. The article may include a central fluid acquisition zone which may be substantially white, a first visually discernible lateral zone situated on one side of the central zone and a second visually discernible lateral zone situated on the opposite side of the central zone, wherein the first and second lateral zones are formed by a nonwoven material including a colored pigment.

Classifications:

International (ipc 8-9): A61F A61F13/15 A61F13/44 A61F13/472 A61F13/475 A61F13/51 A61F13/511 A61F13/513 A61F13/537

A61F13/56 (Advanced/Invention);

A61F13/513 A61F13/84 (Advanced/Non-invention);

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

A61F (Subclass/Invention)

International (ipc 1-7): A61F13/15

CPC: A61F2013/51377 A61F2013/8497 A61F13/4755 A61F13/4757

A61F13/53747 A61F2013/15536 A61F13/5611 A61F13/53743

A61F2013/4708 A61F2013/530226 A61F2013/530233 A61F13/51394

A61F13/475 A61F13/472

European: A61F13/472 A61F13/475A2 A61F13/475A4

A61F13/537C2 K61F13/15J8P8

US: 1/1 604/370 604/378 604/378P 604/385.01 604/385.04

JP F-Term: 3B200 3B200/AA03 3B200/BA05 3B200/BA06

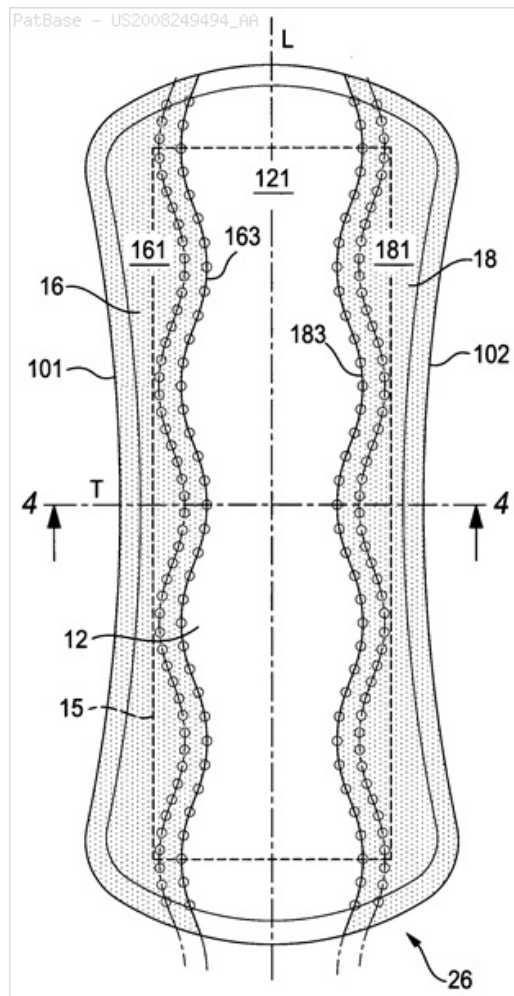
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3B200/BB20 3B200/CA15 3B200/DA06 3B200/DB02 3B200/DC01

3B200/DC02 3B200/DC07 3B200/EA05 3B200/EA07

JP F-Index: A61F13/18/310/A A61F13/18/340 A61F13/51

A61F13/511/500 A61F13/534/100 A61F13/539

**Family:**

Publication number	Publication date	Application number	Application date
AR060389 AA	20080611	AR2007P101485	20070409
AU2007237083 AA	20071018	AU20070237083	20070404
BRPI0710679 A2	20110823	BR2007PI10679	20070404
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CN101410078 A	20090415	CN200780011435	20070404
CN101410078 B	20140219	CN200780011435	20070404
CN103417335 A	20131204	CN201310368676	20070404
DE602006042989 D1	20141016	DE200660042989T	20060407
EP1842513 A1	20071010	EP20060112400	20060407
EP1842513 B1	20140910	EP20060112400	20060407
EP2826450 A2	20150121	EP20140178000	20060407
EP2826450 A3	20150520	EP20140178000	20060407
ES2517842 T3	20141104	ES20060112400T	20060407
HU027720 T2	20161028	HU20100169545T	20060407
IL194440 A0	20090803	IL20070194440	20070404
IL194440 A1	20160421	IL20070194440	20070404
IN08012DN2008 A	20081031	IN2008DN08012	20080923
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JP4842371 B2	20111221	JP20090503716T	20070404
KR101124917 B1	20120327	KR20087024334	20070404
KR20080107463 A	20081210	KR20087024334	20070404
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RU2008138397 A	20100520	RU20080138397	20070404
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SG170777 A1	20110530	SG20110021599	20070404
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US2017007471 AA	20170112	US20160275521	20160926
US8461411 BB	20130611	US20070732579	20070404
US9456932 BB	20161004	US20130895548	20130516
WO07116347 A2	20071018	WO20071B51205	20070404
WO07116347 A3	20071227	WO20071B51205	20070404
ZA200808306 A	20091125	ZA20080008306	20080929

Priority:

EP20060112400 20060407 EP20140178000 20060407 WO20071B51205 20070404
US20070732579 20070404 US20130895548 20130516 US20160275521 20160926

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): ECKER CORNELIA ; GAGLIARDI IVANO ; PROCTER AND GAMBLE CO ; VEGLIO PAOLO A ; PARTENZA VINCENZO ; PROCTER AND GAMBLE ; DIGIACOMANTONIO MARCO

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

Inventor(s): (std): PAOLO A VEGLIO ; PARTENTSA VINCHENTSO ; PARTENZA VINCENZO ; PARTENZAVINCENZO ; VEGLIO PAOLA A ; VEGLIO PAOLO ; VEGLIO PAOLO A ; DIZHAKOMANTONIO MARKO ; ECKER CORNELIA ; EHKER KORNELIA ; GAGLIARDI IVANO ; VINCENZO PARTENZA ; MARCO DIGIACOMANTONIO ; IVANO GAGLIARDI ; CORNELIA ECKER ; DIGIACOMANTONIO MARCO

Inventor(s): DIGIACOMANTONIO MARCO GAGLIARDI IVANO PARTENZA VINCENZO VEGLIO PAOLO ECKER CORNELIA ; DIGIACOMANTONIO MARCO GAGLIARDI IVANO PARTENZA... ; GAGLIARDI IVANO PARTENZA VINCENZO DIGIACOMANTONIO MARCO VEGLIO PAOLO

Agent(s): PHILLIPS ORMONDE FITZPATRICK; MBM INTELLECTUAL PROPERTY LAW LLP; LLOVET; BRIATORE ANDREA; DE ELZABURU ALBERTO; REINHOLD COHN AND PARTNERS; NAGAI HIROSHI; MARKS AND CLERK SINGAPORE LLP; THE PROCTER AND GAMBLE COMPANY, GLOBAL LEGAL DEPARTMENT - IP; PROCTER AND GAMBLE CO GLOBAL LEGAL DEPARTMENT IP; ANDREW J; MEGAN C; AMANDA T; GEORGE H

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