



PCT

- | | |
|---|--|
| <p>(51) International Patent Classification:
 <i>A61F 13/53</i> (2006.01) <i>A61F 13/496</i> (2006.01)
 <i>A61F 13/51</i> (2006.01) <i>A61L 15/42</i> (2006.01)</p> | <p>Oshkosh, WI 54901 (US). SCHLINZ, Daniel, Robert [US/US]; N1611 Prairie View Drive, Greenville, WI 54942 (US). DOWNS, Kimberly, Marie [US/US]; 3899 Summerset Way, Oshkosh, WI 54901 (US). KURTZ, Tami, Lynn [US/US]; 5915 Gibbs Road, Oshkosh, WI 54904 (US).</p> |
| <p>(21) International Application Number:
 PCT/IB2010/053954</p> | <p>(74) Agents: FIELDHACK, Randall, W. et al.; Kimberly-Clark Worldwide, Inc., 2300 Winchester Road, Neenah, WI 54956 (US).</p> |
| <p>(22) International Filing Date:
 2 September 2010 (02.09.2010)</p> | <p>(81) Designated States (<i>unless otherwise indicated, for every kind of national protection available</i>): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.</p> |
| <p>(25) Filing Language: English</p> | <p>(84) Designated States (<i>unless otherwise indicated, for every kind of regional protection available</i>): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LT, LU, LV, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW).</p> |
| <p>(26) Publication Language: English</p> | <p>(84) Designated States (<i>unless otherwise indicated, for every kind of regional protection available</i>): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LT, LU, LV, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW).</p> |
| <p>(30) Priority Data:
 12/580,882 16 October 2009 (16.10.2009) US</p> | <p>(84) Designated States (<i>unless otherwise indicated, for every kind of regional protection available</i>): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LT, LU, LV, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW).</p> |
| <p>(71) Applicant (<i>for all designated States except US</i>): KIMBERLY-CLARK WORLDWIDE, INC. [US/US]; Neenah, WI 54956 (US).</p> | <p>(84) Designated States (<i>unless otherwise indicated, for every kind of regional protection available</i>): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LT, LU, LV, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW).</p> |
| <p>(72) Inventors; and</p> | <p>(84) Designated States (<i>unless otherwise indicated, for every kind of regional protection available</i>): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LT, LU, LV, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW).</p> |
| <p>(75) Inventors/Applicants (<i>for US only</i>): BISHOP, David, Fleger [US/US]; N9632 Darboy Drive, Appleton, WI 54915 (US). KRAUTKRAMER, Patsy, Ann [US/US]; 5000 Petrack Lane, Omro, WI 54963 (US). HARTONO, Julia [ID/US]; W7288 Dover Court, Greenville, WI 54942 (US). WHEELER, Katherine, Carol [US/US]; 1088 Grassy Meadows Lane, Menasha, WI 54952 (US). RUMAN, Marcille, Fave [US/US]; 3990 Prairie Court,</p> | <p>(84) Designated States (<i>unless otherwise indicated, for every kind of regional protection available</i>): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LT, LU, LV, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW).</p> |

[Continued on next page]

- (54) Title:** PRINTED ABSORBENT ARTICLE COMPONENTS FOR A UNIFORM APPEARANCE

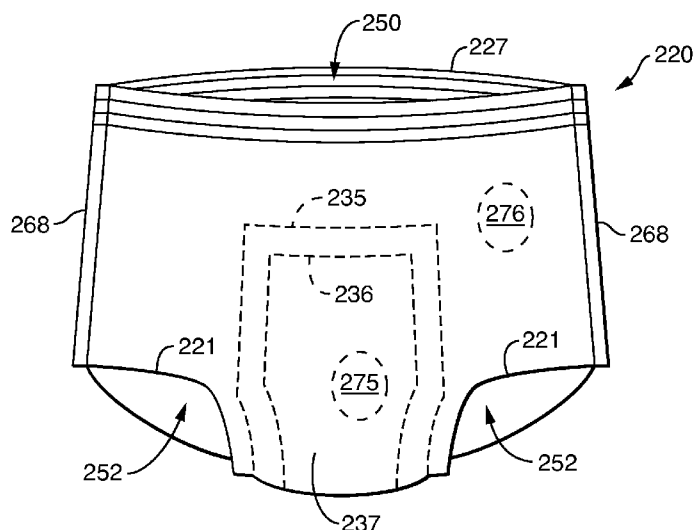


FIG. 5

- (57) Abstract:** A method is presented for manufacturing a disposable absorbent article having multiple components including selecting a first material appropriate for use as an outer cover; producing a chassis including the outer cover, the outer cover including an outer cover central region having an outer cover central region appearance; selecting a second material appropriate for use as an elastic panel, wherein the second material is different from the first material; and producing a first elastic panel having a first elastic panel central region. The method also includes printing the first elastic panel central region with a first elastic panel printed graphic; and attaching the first elastic panel to the chassis, wherein the selecting and printing are performed such that the first elastic panel central region gives the appearance of being substantially similar to the outer cover central region appearance.



LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK,
SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

— *before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments (Rule 48.2(h))*

Published:

— *with international search report (Art. 21(3))*

(88) Date of publication of the international search report:

4 August 2011

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IB2010/053954**A. CLASSIFICATION OF SUBJECT MATTER***A61F 13/53(2006.01)i, A61F 13/51(2006.01)i, A61F 13/496(2006.01)i, A61L 15/42(2006.01)i*

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

A61F 13/53; A61F 13/58; A61F 13/49; A61F 13/15; A61F 13/496; A61F 13/56; A61F 5/44; A61F 13/514

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: absorbent article, diaper, elastic panel

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 05807368A (HELMER, P. E.) 15 September 1998 See the whole document	1-15, 19
A	US 6596918 B1 (WEHRLE, R. T. et al.) 22 July 2003 See the whole document.	1-15, 19
A	US 6352528 B1 (WEBER, S. A. et al.) 05 March 2002 See the whole document.	1-15, 19
A	US 2009-0247979 A1 (SOSALLA, P. M. et al.) 01 October 2009 See the whole document.	1-15, 19
A	US 2007-0142800 A1 (LIU, K) 21 June 2007 See the whole document.	1-15, 19
A	JP 2003-070838 A (DAIO PAPER CO.) 11 March 2003 See the whole document.	1-15, 19
A	EP 1704842 A1 (DAIO PAPER CO.) 27 September 2006 See the whole document.	1-15, 19

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

14 JUNE 2011 (14.06.2011)

Date of mailing of the international search report

15 JUNE 2011 (15.06.2011)

Name and mailing address of the ISA/KR

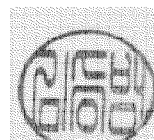
Korean Intellectual Property Office
Government Complex-Daejeon, 189 Cheongsu-ro,
Seo-gu, Daejeon 302-701, Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

Kim Seung Beom

Telephone No. 82-42-481-8746



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/IB2010/053954

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 05807368A A	15.09.1998	None	
US 6596918 B1	22.07.2003	AU 2000-57419 A1 WO 00-76443 A1	02.01.2001 21.12.2000
US 6352528 B1	05.03.2002	AU 2000-21990 A1 WO 00-35401 A1	03.07.2000 22.06.2000
US 2009-0247979 A1	01.10.2009	WO 2009-144589 A1	03.12.2009
US 2007-0142800 A1	21.06.2007	None	
JP 2003-070838 A	11.03.2003	JP 4132753 B2	13.08.2008
EP 1704842 A1	27.09.2006	CN 100453058 C CN 1901867 A JP W020-050678 53A1 US 2008-0234643 A1 WO 2005-067853 A1	21.01.2009 24.01.2007 28.07.2005 25.09.2008 28.07.2005

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB2010/053954**Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)**

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.: 16-18,20
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

Claims 16 and 17 are worded in reference to a outer cover printed graphic of claim 18, which is not been worded in claim 18.
Claim 18 is too obscure to make meaningful search because it refers to itself, claim 18.
Claim 20 refers to claim 23, which does not exist.
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☐ No protest accompanied the payment of additional search fees.