

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
5 August 2004 (05.08.2004)

PCT

(10) International Publication Number
WO 2004/064872 A3

(51) International Patent Classification⁷: **A61F 13/15**,
B65D 85/00, B41M 1/26

(21) International Application Number:
PCT/US2004/001429

(22) International Filing Date: 21 January 2004 (21.01.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/441,432 21 January 2003 (21.01.2003) US

(71) Applicant (for all designated States except US): **THE PROCTER & GAMBLE COMPANY** [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **NAIR, Radhakrishnan, Janardanan** [US/US]; 10820 D Kings Lake Drive, Olde Montgomery, Cincinnati, OH 45242 (US). **HSUEH, Kesyin, Fugger** [US/US]; 10555 Montgomery Road, Apt. 86, Cincinnati, OH 45242 (US). **GRAY, Michael, Vincent**

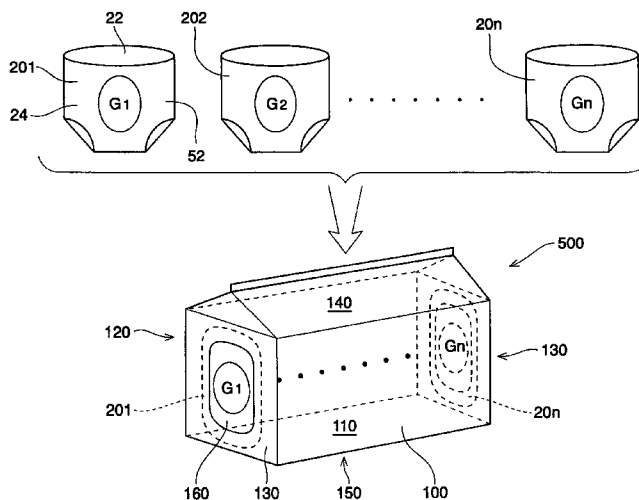
[US/US]; 3543 Mohler Road, Hamilton, OH 45241 (US). **SUE, Shunketsu** [JP/JP]; 2-203 Nanguu-cho 14, Ashiya, Hyogo 659-0024 (JP). **OHNISHI, Kazuyuki** [JP/JP]; 2-1-32 Higashi-hagoromo, Takaishi, Osaka 592-0003 (JP). **SONG, Limin** [US/US]; 10555 Montgomery Road, Apt. 84, Cincinnati, OH 45242 (US). **LAWSON, Micahel, Irwin** [US/US]; 1991 Augusta Blvd., Fairfield, OH 45014 (US). **MCNALLY, Matthew, Gerald** [US/US]; 7358 Coachford Drive, West Chester, OH 45069 (US). **KOKORUDA, Deborah, Kay** [US/US]; 606 Miami Ave, Terrace Park, OH 45174 (US). **GLACKIN, George, Bartol, III** [US/US]; 320 Pleasant Hill Drive, Wyoming, OH 45215 (US). **TOMI, Koichi** [JP/JP]; 9-4-1 Tsukushigaoka, Kita-ku, Kobe, Hyogo 651-1212 (JP).

(74) Common Representative: **THE PROCTER & GAMBLE COMPANY**; c/o REED, T., David, 6110 Center Hill Road, Cincinnati, OH 45224 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,

[Continued on next page]

(54) Title: ABSORBENT PRODUCT CONTAINING ABSORBENT ARTICLES EACH HAVING DIFFERENT GRAPHIC



(57) Abstract: In one aspect, the invention is directed to an absorbent product. The absorbent product includes a package and at least n absorbent articles contained in the package (n is greater than 10). Each of the absorbent articles has a body contacting surface and a garment contacting surface opposing the body contacting surface. Each of the absorbent articles includes a component material disposed between the body contacting surface and the garment contacting surface. The component material has a printed graphic which is seen through either the body contacting surface or the garment contacting surface. The n graphics of the n absorbent articles are different from each other, and preferably have a predetermined association. In another aspect, the invention is directed to a method of printing a graphic on a sheet material which will become a component material for the absorbent articles. In yet another aspect, the invention is directed to a method of producing the absorbent product including the package and the n absorbent articles contained in the package.



WO 2004/064872 A3



PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

- (84) **Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

- (88) **Date of publication of the international search report:**
23 September 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.