

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
9 December 2004 (09.12.2004)

PCT

(10) International Publication Number
WO 2004/105665 A1

(51) International Patent Classification⁷: **A61F 13/15**

(21) International Application Number:
PCT/US2004/016677

(22) International Filing Date: 27 May 2004 (27.05.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/473,583 27 May 2003 (27.05.2003) 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): **MATSUDA, Toshiyuki** [JP/JP]; 3-745-46 Sumiyoshi, Uozumi-cho,

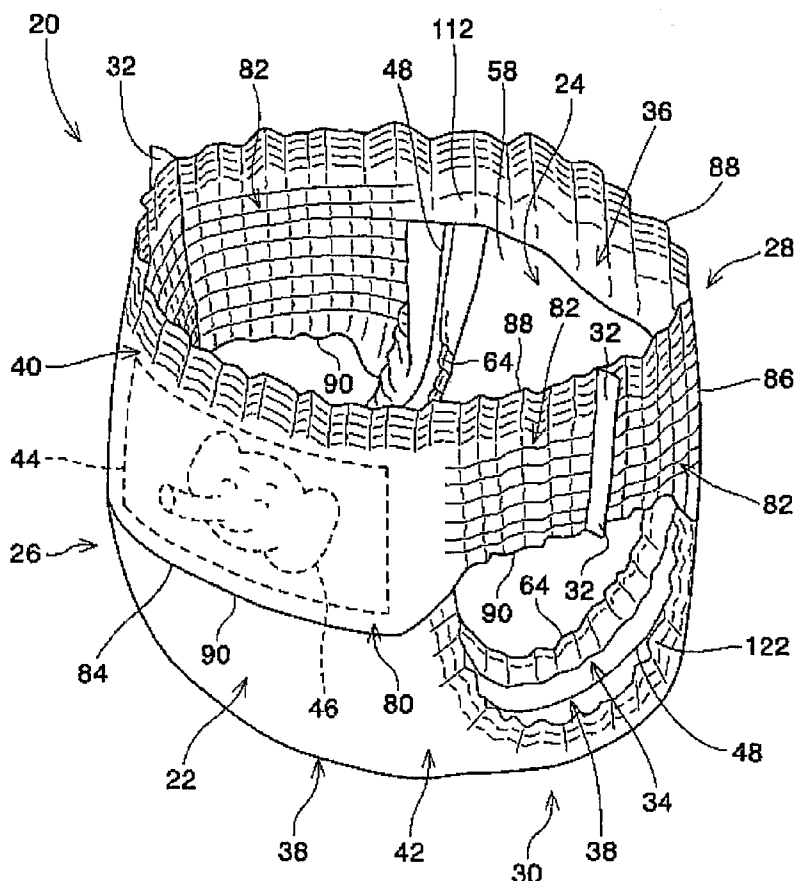
Akashi, Hyogo 674-0084 (JP). **FUJIMOTO, Kenji** [JP/JP]; 1-11-35-306 Fukaekitamachi, Higashinada-ku, Kobe, Hyogo 658-0013 (JP). **OHGATA, Hiroyuki** [JP/JP]; 4-10-1-203 Kamikoshien, Nishinomiya, Hyogo 663-8114 (JP).

(74) Common Representative: **THE PROCTER & GAMBLE COMPANY**; c/o T. David Reed, 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, 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.

[Continued on next page]

(54) Title: DISPOSABLE PULL-ON GARMENT HAVING GRAPHIC PATCH



(57) Abstract: A disposable pull-on garment is disclosed. The pull-on garment has a waist opening and leg openings. The pull-on garment comprises an absorbent main body and a ring-like elastic belt. The absorbent main body comprises a liquid pervious topsheet, a liquid impervious backsheet and an absorbent core disposed therebetween. The absorbent main body has a longitudinal centerline, longitudinal side edges, transverse end edges, a front waist panel, a back waist panel and a crotch panel. The front waist panel and the back waist panel are not joined directly. The ring-like elastic belt comprises an outer layer having a transverse waist end and a transverse abdomen end. The ring-like elastic belt is joined to the front waist panel and the back waist panel of the absorbent main body to form one waist opening and two leg openings. The ring-like elastic belt is not disposed in the crotch panel of the absorbent main body. The disposable pull-on garment further comprises a patch printed with a graphic thereon. The patch is disposed inside the outer layer and between the transverse waist end and the transverse abdomen end.



(84) **Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, 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, PL, PT, RO, SE, SI, SK, 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*

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.

Published:

— *with international search report*