(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
24 December 2003 (24.12.2003)

PCT

(10) International Publication Number
WO 03/105947 A1

(51) International Patent Classification[7]: A61N 1/05

(21) International Application Number: PCT/US02/31585

(22) International Filing Date: 21 October 2002 (21.10.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/175,476 18 June 2002 (18.06.2002) US

(71) Applicant: CHEN, Chung-Chin [US/US]; 625 Slaters Lane, 4th Floor, Alexandria, VA 22314 (US).

(71) Applicant and
(72) Inventor: YANG, Jui-Kuang [—/—]; 6Fl., No. 22-5, Yuanyuan Rd., Sanmin Chiu, Kaohsiung, Taiwan, 807, R.O.C. (TW).

(74) Agents: FICHTER, Richard, E. et al.; Bacon & Thomas, PLLC, 625 Slaters Lane, 4th Floor, Alexandria, VA 22314 (US).

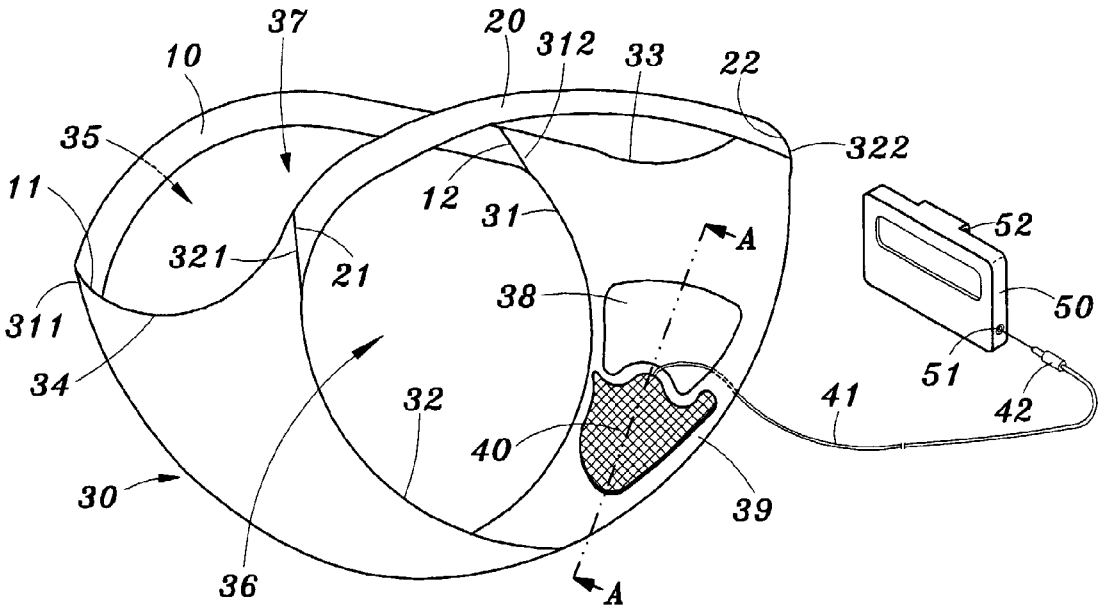
(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW.

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

Published:
— *with international search report*

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.

(54) Title: MALE UNDERPANTS STRUCTURE PROVIDED WITH MEANS TO AUGMENT PERINEAL MUSCLES



(57) Abstract: A male underpants structure comprises a left waistband, a right waistband, a seat, and a pulsating current generator. The left waistband, the right waistband, and the seat are joined together to form a waist hole, and left and right holes. The seat has an opening (38) and an electrically-conductive rubber sheet (40) attached to the inner side thereof such that the sheet is in a location corresponding to the perineum of a male. The seat covers the buttocks such that the penis and scrotum extend out of the seat via the opening, and that the electrically conductive rubber sheet comes into contact with the perineum of the male. The sheet is provided with a low-frequency pulsating current by the pulsing current generator (50).

WO 03/105947 A1