(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 18 May 2006 (18.05.2006)

(51) International Patent Classification: *A61M 27/00* (2006.01)

(21) International Application Number:

PCT/US2005/036286

(22) International Filing Date: 11 October 2005 (11.10.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 10/984,322 9 November 2004 (09.11.2004) US

(71) Applicant and

(72) Inventor: BROWN, Tawnya, J. [US/US]; 31 Elderberry Court, Catonsville, MD 21228 (US).

(74) Agent: GAMSON, Robert, M.; Armstrong, Kratz, Quintos, Hanson & Brooks, LLP, 502 Washington Avenue, Suite 220, Towson, MD 21204 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

(10) International Publication Number WO 2006/052356 A3

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, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, 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, 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, IS, IT, LT, LU, LV, 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).

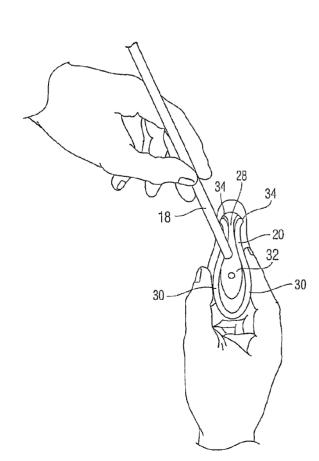
Published:

with international search report

(88) Date of publication of the international search report: 1 February 2007

[Continued on next page]

(54) Title: CATHETER INSERTION AID



(57) Abstract: A catheter insertion aid for facilitating urethral insertion of a catheter comprising a hollow device having opposing flexible sides with a slit opening running between said first end and said second end of said device. The slit opening being used for removal of the catheter insertion aid from around the catheter while the catheter is still in place in the vagina. The geometry of the first end of the device being smaller than the second end of the device allowing for easy penetration by the smaller end between the labia folds. The opposing flexible sides of the device when held in a compressed position allow for easy insertion of the device between the labia folds and with the release of the compressed position, the flexible sides expand presenting the urethra for easy insertion of the catheter. A kit containing a catheter insertion aid and a catheter is also disclosed. Alternative embodiments involving a V-shaped tapered device and a device with hinged finger cups and elevations for labia spread are disclosed.



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.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/36286

A. CLASSIFICATION OF SUBJECT MATTER IPC: A61M 27/00(2006.01)			
USPC: 604/544 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) U.S.: 604/544; 128/898,899			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
	JMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where ap		Relevant to claim No.
X	US 4,023,560 A (Cade et al.) 17 May 1977 (17.05.19	77), figures 1-10.	1-6, 10
Y	US 6,145,128 A (Suzuki) 14 November 2000 (14.11.2000), figures 2, 3.		1, 2, 11, 13
Α	US 3,815,581 A (Levin) 11 June 1974 (11.06.1974), figures 1-4.		1-14
Α	US 4,927,282 A (Lenker et al.) 27 July 1999 (27.07.1	999), figures 4-6.	1
Further documents are listed in the continuation of Box C. See patent family annex.			
		"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	
"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent 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 another citation or other special reason (as specified)			
		"X" document of particular relevance; the cl considered novel or cannot be considered 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	
"O" document	t referring to an oral disclosure, use, exhibition or other means	obvious to a person skilled in the art	-
priority date claimed		"&" document member of the same patent family	
Date of the actual completion of the international search Date of mailing of the international search report			
			SEP 2006
Name and mailing address of the ISA/US Authorized officer Authorized officer			
Mail Stop PCT, Attn: ISA/US Commissioner for Patents			
P.C	D. Box 1450	Telephone No. 1-703-308-0858	
Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201			