

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
5 June 2008 (05.06.2008)

PCT

(10) International Publication Number
WO 2008/067557 A3

(51) International Patent Classification:
A61M 25/00 (2006.01) A61F 2/04 (2006.01)

(74) Agents: PRESSON, Thomas, F. et al.; Frommer
Lawrence & Haug LLP, 745 Fifth Avenue, New York, NY
10151 (US).

(21) International Application Number:
PCT/US2007/086157

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH,
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, PG, PH, PL,
PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA,
ZM, ZW.

(22) International Filing Date:
30 November 2007 (30.11.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/861,803 30 November 2006 (30.11.2006) US

(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, MT, 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).

(71) Applicant (for all designated States except US):
UROVALVE, INC. [US/US]; 240 Dr. Milk Jr. Blvd., Suite
216B, Newark, NJ 07102 (US).

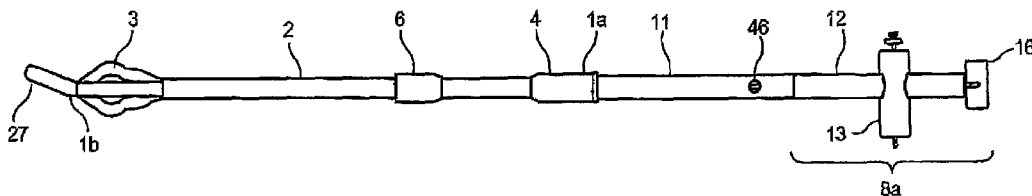
(72) Inventors; and

(75) Inventors/Applicants (for US only): DAVIS, Phillip,
J. [US/US]; 56 Neck Road, West Gardiner, ME 04345
(US). WINEGAR, Thomas, W. [US/US]; 179 North
Ethel Avenue, Hawthorne, NJ 07506 (US). HOMAN,
Harvey, D. [US/US]; 22 Walnut Circle, Basking Ridge, NJ
07920 (US). LEOPOLD, Andrew, R. [US/US]; 23178 W.
Lochanora Drive, Hawthorn Woods, IL 60047-6811 (US).

Published:
— with international search report

(88) Date of publication of the international search report:
16 October 2008

(54) Title: SYSTEM AND METHOD FOR IMPLANTING A CATHETER



(57) Abstract: A system for implanting a catheter in a urethra. The system includes a catheter having a valve disposed at a distal portion of the catheter. The valve may be operable in response to an external magnetic field. The system also includes a tool having a tip member extending into an opening at the distal portion of the catheter to couple the tool to the catheter. The system also includes an element extending from the tool. The catheter has an internal path that provides a conduit for the element to be extended through the valve to engage a proximal portion of the catheter. The tool is adapted use the element to stress the catheter and stiffen the catheter along the length of the catheter. Stiffening the catheter facilitates implantation of the catheter in the urethra by enabling pull forces, push forces, and torque forces.

WO 2008/067557 A3

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2007/086157

A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - A61M 25/00; A61F 2/04 (2008.01) USPC - 600/29; 604/517 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) IPC(8) - A61M 25/00; A61F 2/04 (2008.01) USPC - 600/29; 604/517		
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) USPTO EAST System (US, USPG-PUB, EPO, DERWENT), MicroPatent.		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,976,068 A (HAKKY et al) 02 November 1999 (02.11.1999) entire document	1-3,5,6,9,10,12,15,16, 20-22a,29-31,36,44,45
--		-----
Y		4,7,8,11,13,14,17-19,22b, 24-28,32-35,41-43
Y	US 5,601,537 A (FRASSICA) 11 February 1997 (11.02.1997) entire document	4,14
Y	US 6,066,088 A (DAVIS) 23 May 2000 (23.05.2000) entire document	7,8
X	US 5,749,826 A (FAULKNER) 12 May 1998 (12.05.1998) entire document	37-40
--		-----
Y		11,13,18,19,22b,24-26 32-35,41-43
Y	US 2005/0148999 A1 (BEAUFORE et al) 07 July 2005 (07.07.2005) entire document	17,41
X	US 5,352,182 A (KALB et al) 04 October 1994 (04.10.1994) entire document	23
--		-----
Y		43
Y	US 6,050,934 A (MIKHAIL et al) 18 April 2000 (18.04.2000) entire document	27,28
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/>		
* 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 another 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 "I" 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 30 March 2008		Date of mailing of the international search report 24 APR 2008
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201		Authorized officer: Blaine R. Copenheaver PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774