

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
16 August 2007 (16.08.2007)

PCT

(10) International Publication Number
WO 2007/092397 A3

(51) International Patent Classification:
A61M 1/00 (2006.01) A61F 13/00 (2006.01)
A61M 31/00 (2006.01)

(21) International Application Number:
PCT/US2007/003065

(22) International Filing Date: 6 February 2007 (06.02.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/765,548 6 February 2006 (06.02.2006) US
11/702,822 6 February 2007 (06.02.2007) US

(71) Applicant (for all designated States except US): **KCI LICENSING, INC.** [US/US]; P.o. Box 659508, San Antonio, TX 78265 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **HEATON, Keith, Patrick** [GB/GB]; 24 Mansfield Road, Parkstone, Poole, Dorset, BH14 0DJ (GB). **ROBINSON, Timothy, Mark** [GB/GB]; 27 Wellington Terrace, Basingstoke, Hampshire, RH23 8HH (GB). **LOCKE, Christopher, Brian** [GB/GB]; 70 Stratton Road, Boumemouth, Dorset, BH9 3PT (GB).

(74) Agents: **MASON, Robert, W.** et al.; Kinetic Concepts, Inc., P.O. Box 659508, San Antonio, TX 78265 (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, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, 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.

(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).

Declaration under Rule 4.17:

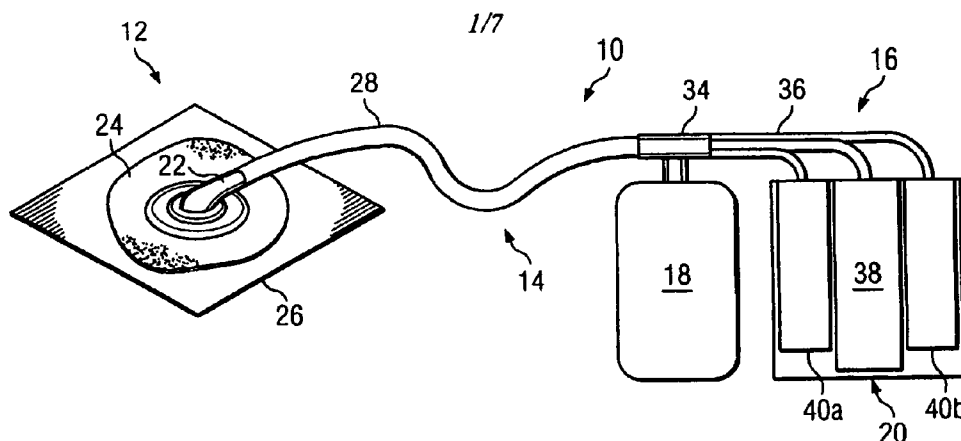
— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

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:
18 September 2008

(54) Title: SYSTEMS AND METHODS FOR IMPROVED CONNECTION TO WOUND DRESSINGS IN CONJUNCTION WITH REDUCED PRESSURE WOUND TREATMENT SYSTEMS



(57) Abstract: Described are improvements to the structure and functionality of a reduced pressure adapter used to connect a distribution manifold and a reduced pressure source instrumentation in a reduced pressure wound treatment (RPWT) system. The reduced pressure adapter reduces instances of unintentional liquid ingress into ancillary lumens of a reduced pressure delivery tube, while channeling the liquid to a primary lumen of the reduced pressure delivery tube.

WO 2007/092397 A3

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/03065

A. CLASSIFICATION OF SUBJECT MATTER
 IPC: **A61M 1/00(2006.01),31/00(2006.01);A61F 13/00(2006.01)**

USPC: **604/313,304,305,500**
 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. : 604/313, 304, 305, 500; 137/565.23; 15/246.2

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)
 US-PGPUB; USPAT; USOCR; DERWENT

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 7,195,624 B (LOCKWOOD et al) 27 March 2007 (27.03.2007), Figs. 1, 4, & 29, Col. 8 lines 57-61, Col. 24 lines 16-20	11, 13 ----- 12, 14-17, 19-21, 25-27
Y	US 5,034,006 (HOSODA et al) 23 July 1991 (23.07.1991), Fig. 10	1-10, 23-24
Y	US 2007/0118096 A (SMITH et al) 24 May 2007 (24.05.2007), Fig. 5, paragraphs [0044]-[0052] & [0069]	18, 25, 27
Y	US 5,013,300 (WILLIAMS) 7 May 1991 (07.05.1991), Fig. 10, Col. 6 line 61 to Col. 7 line 13	19-21

Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"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
"E" earlier application or patent published on or after the international filing date	"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
"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)	"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
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search: **17 June 2008 (17.06.2008)**

Date of mailing of the international search report: **28 JUL 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 Tatyana Zalukaeva <i>Tatyana Zalukaeva</i> Telephone No. 571-272-3700
---	--