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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
6 May 2010 (06.05.2010)

PCT

(10) International Publication Number
WO 2010/051068 A1

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

(21) International Application Number:
PCT/US2009/044230

(22) International Filing Date:
15 May 2009 (15.05.2009)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

61/109,410	29 October 2008 (29.10.2008)	US
61/109,486	29 October 2008 (29.10.2008)	US
61/109,448	29 October 2008 (29.10.2008)	US
61/109,390	29 October 2008 (29.10.2008)	US

(71) Applicant *(for all designated States except US)*: **KCI LICENSING, INC.** [US/US]; Legal Department - Intellectual Property, P.O. Box 659508, San Antonio, TX 78265-9508 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **HARDMAN, Ian, James** [GB/GB]; 74 Victoria Avenue, Bournemouth, Dorset BH9 2RP (GB). **SEALY, James, Joseph** [GB/GB]; 69 Carisbrooke Court, New Milton, Hants, Dorset BH25 5UE (GB). **HALL, Colin, John** [GB/GB]; 33 Oakdale Road, Poole, Dorset BH15 3LD (GB). **BEARD, Mark, Stephen, James** [GB/GB]; 4 Monks Close, West Moors, Ferndown, Dorset BH22 0HE (GB). **WHYTE, David** [GB/GB]; 1 Sherford Close, Wareham BH20 4JL (GB). **LOCKE, Christopher, Brian** [GB/GB]; 6 Bosworth Mews, Bournemouth, Dorset BH9 35D (GB). **ROBINSON, Timothy, Mark** [GB/GB]; 27 Wellington Terrace, Basingstoke, Hampshire RG23 8HH (GB).

(74) Agents: **WELCH, Gerald, T.** et al.; Sonnenschein, Nath & Rosenthal LLP, P.O. Box 061080, Wacker Drive Station, Sears Tower, Chicago, IL 60606 (US).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, 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, ST, 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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, 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 (Art. 21(3))*

(54) **Title**: OPEN-CAVITY, REDUCED-PRESSURE TREATMENT DEVICES AND SYSTEMS

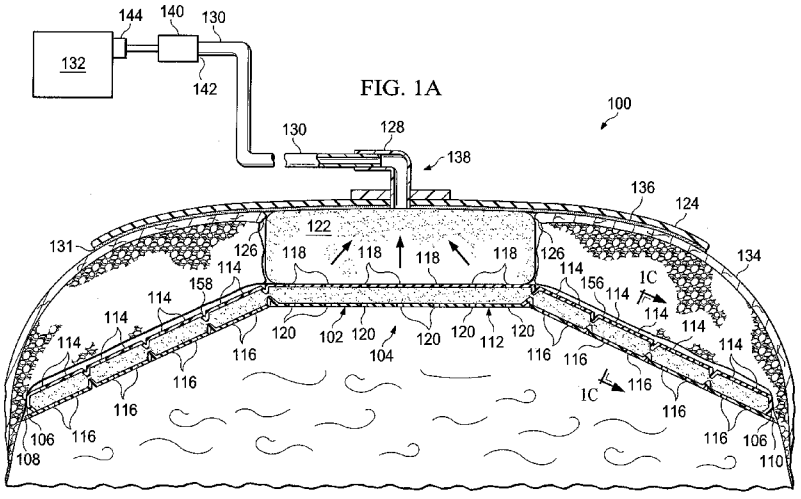


FIG. 1A

(57) **Abstract**: An open-cavity, reduced-pressure treatment device and system for treating a cavity in a patient's body, such as an abdominal cavity, is presented. In one instance, an open-cavity, reduced-pressure treatment device includes a plurality of encapsulated leg members, each having an interior portion with a leg manifold member and formed with fenestrations operable to allow fluid flow into the interior portion, and a central connection member fluidly coupled to the plurality of encapsulated leg members. The central connection member has a connection manifold member. The open-cavity, reduced-pressure treatment devices, systems, and methods allow for, among other things, removal of fluids.

WO 2010/051068 A1