



(51) International Patent Classification:

A61F 13/00 (2006.01) A61M 27/00 (2006.01)  
A61M 1/00 (2006.01) A61B 19/00 (2006.01)

(21) International Application Number:

PCT/US2009/064763

(22) International Filing Date:

17 November 2009 (17.11.2009)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/115,763 18 November 2008 (18.11.2008) 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): **GRIFFEY, Edward, S.** [US/US]; 8258 Pimlico Lane, Fair Oaks Ranch,

TX 78015 (US). **RANDOLPH, Larry, Tab** [US/US]; 27917 Bonn Mountain Drive, San Antonio, TX 78260 (US). **SEEGERT, Charles, Alan** [US/US]; 5005 Nancy Lane, North Richland Hills, TX 76180 (US).

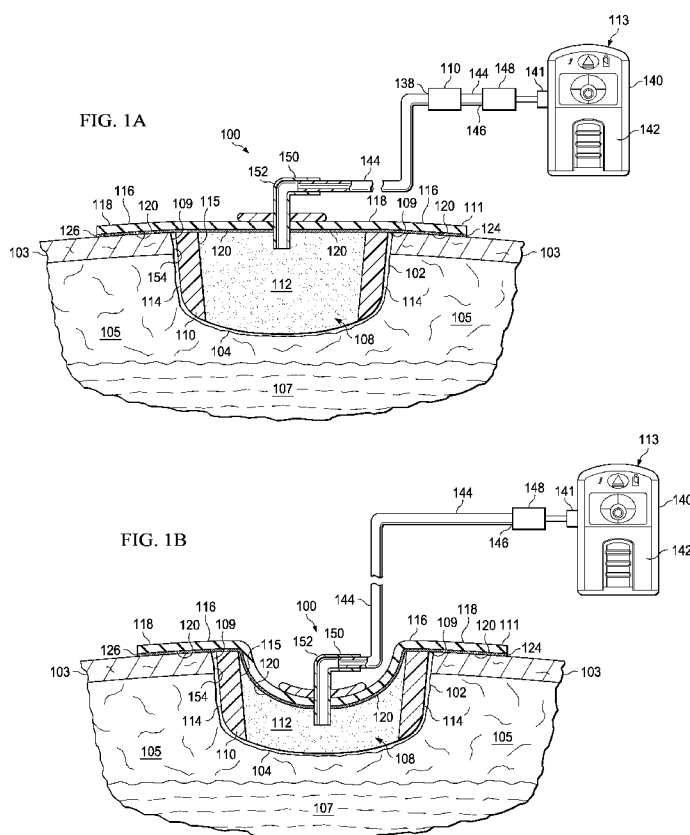
(74) Agents: **WELCH, Gerald, T.** et al.; Sonnenschein, Nath & Rosenthal LLP, P.O. Box 061080, Wacker Drive Station, Sears Tower, Chicago, IL 60606 (US).

(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, CL, 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, PE, 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,

[Continued on next page]

(54) Title: REDUCED-PRESSURE, COMPOSITE MANIFOLDS



(57) Abstract: A reduced-pressure treatment system for treating a wound on a patient includes a composite manifold that may help prevent or minimize injury to a wound edge of the wound being treated with reduced pressure. The composite manifold includes a perimeter manifold member and an inboard manifold member. The perimeter manifold member is designed to not collapse substantially under reduced pressure in a therapy range. The perimeter manifold member may be more rigid with respect to compressibility than the inboard manifold member. A sealing member is used to form a fluid seal over the wound, and a reduced-pressure subsystem provides reduced pressure to the composite manifold. Other systems, methods, and dressings are presented.



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, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

**(88) Date of publication of the international search report:**

16 September 2010

**Published:**

— *with international search report (Art. 21(3))*