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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
20 November 2008 (20.11.2008)

PCT

(10) International Publication Number
WO 2008/141228 A1

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

(21) International Application Number:
PCT/US2008/063305

(22) International Filing Date: 9 May 2008 (09.05.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/928,644 10 May 2007 (10.05.2007) 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)*: **OLSON, Jonathan, S.** [US/US]; 7924 Siringo Pass, Austin, TX 78749 (US). **GINTHER, Devin, C.** [US/US]; 11116 West Cave Boulevard, Dripping Springs, TX 78620 (US). **SANDERS, T., Blane** [US/US]; 702 Stoneway, San Antonio, TX 78258 (US).

(74) Agents: **MASON, Robert, W.** et al.; Kinetic Concepts, Inc, P.O. Box 659508, San Antonio, TX 78265-9508 (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, 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, 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*

(54) Title: REDUCED PRESSURE WOUND DRESSING HAVING A WOUND CONTACT SURFACE WITH COLUMNAR PROTRUSIONS

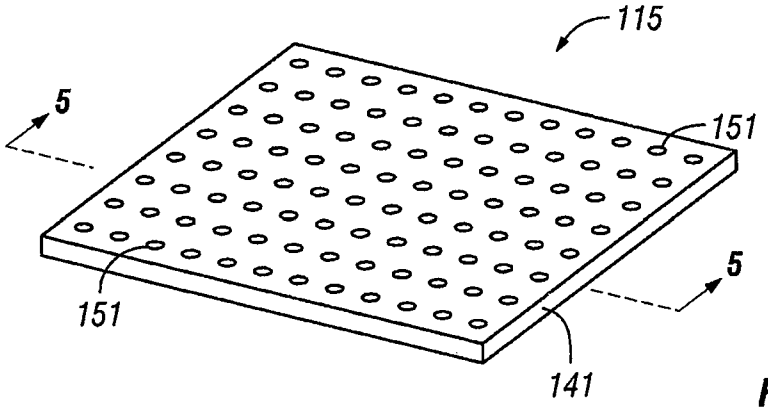


FIG. 4

(57) Abstract: A reduced pressure treatment system includes a distribution manifold having a backing substrate with a first side and a second side and a plurality of protrusions positioned on the first side of the backing substrate. Each of the protrusions includes a substantially circular cross-sectional shape and has a diameter of between about 0.1 and 2.0 millimeters, the backing substrate having a plurality of apertures formed therein to allow fluid communication between the first side and the second side opposite the first side. A reduced pressure source is fluidly connected to the apertures of the backing substrate to deliver the reduced pressure through the apertures, between the protrusions, and to a tissue site.

WO 2008/141228 A1