(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 2008/139464 A1

(51) International Patent Classification:
A61M 5/142 (2006.01) *A61M 39/28* (2006.01)
A61M 5/158 (2006.01)

(21) International Application Number:
PCT/IL2008/000647

(22) International Filing Date: 11 May 2008 (11.05.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/917,075 10 May 2007 (10.05.2007) US

(71) Applicant *(for all designated States except US)*: **NILIMEDIX LTD** [IL/IL]; Matam 30, Bldg 5/1, PO Box 15020, . Haifa (IL).

(72) Inventor; and
(75) Inventor/Applicant *(for US only)*: **SHEKALIM, Avraham** [IL/IL]; Matam, Building No. 5/1, PO Box 15020, . Haifa (IL).

(74) Agent: **FRIEDMAN, Mark**; 7 Jabotinsky St., 52520 Ramat Gan (IL).

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

(54) **Title:** INFUSION SET SELF-OCCLUSION MECHANISM

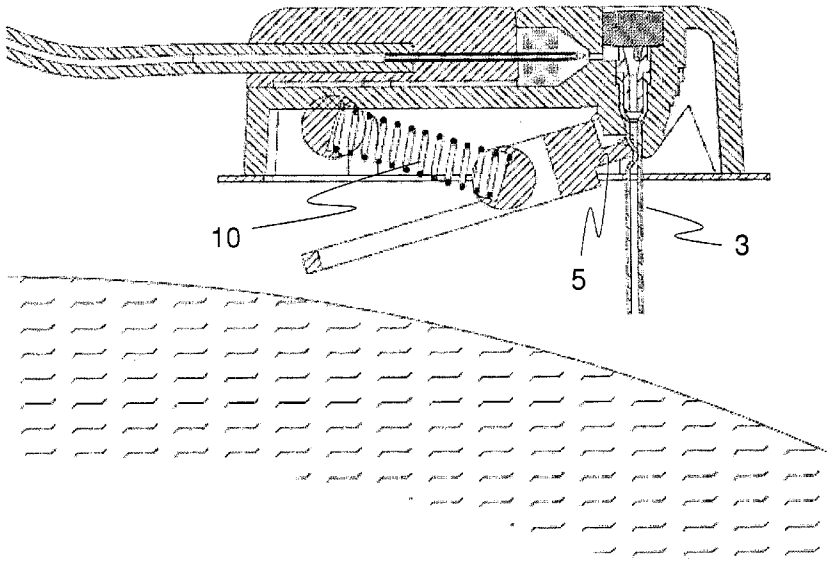


Figure 7

(57) **Abstract:** A device, system and method for occluding fluid flow through an infusion set detached from a patient's body. The device includes a means for detecting loss of contact to a patient's body and activating an occlusion mechanism accordingly.

WO 2008/139464 A1