



(51) International Patent Classification:
A61B 1/31 (2006.01)

(21) International Application Number:
PCT/SG2010/000323

(22) International Filing Date:
6 September 2010 (06.09.2010)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
200905941-1 4 September 2009 (04.09.2009) SG

(71) Applicant (for all designated States except US): **AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH** [SG/SG]; 1 Fusionopolis Way, #20-10, Connexis, Singapore 138632 (SG).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **Li, Deli** [SG/SG]; 147 Meiling Street, #05-101, Singapore 140147 (SG). **TSANG, Bih Shiou, Charles** [SG/SG]; 83 Mimosa Terrace, Singapore 805767 (SG). **NG, Wan Sing** [SG/SG]; 25, Hazel Park Terrace, #11-03, Singapore 678948 (SG).

(74) Agent: **ENGLISH, Matthew**; Marks & Clerk Singapore LLP, Tanjong Pagar, PO Box 636, Singapore 910816 (SG).

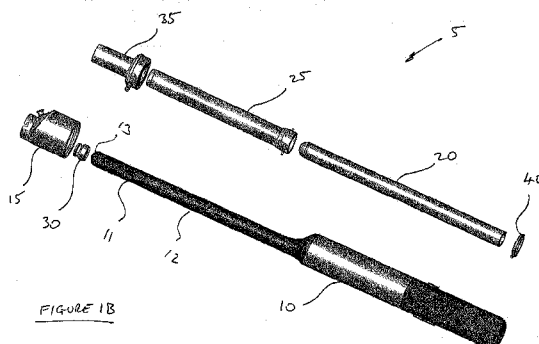
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, 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, TH, 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, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, 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).

Published:

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

(54) Title: AN IMPROVED ANORECTAL PROBE ASSEMBLY AND METHOD



(57) Abstract: An anorectal probe assembly comprising an anorectal probe, a sonar penetration balloon mounted to said probe, said balloon arranged to receive water to inflate within the rectal cavity a sigmoidoscope having a bore into which the probe and balloon have sliding engagement and an adaptor having an anus penetration portion for insertion into the anus and an external portion mounted to the penetration portion wherein the adaptor includes a conduit extending from the penetration portion to the external portion such that on penetration of the anus, the conduit provides fluid communication between the rectal cavity and the external portion, said conduit further connectable to a vacuum source.