

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
24 November 2005 (24.11.2005)

PCT

(10) International Publication Number
WO 2005/110199 A1

(51) International Patent Classification⁷: **A61B 1/012**,
B29C 65/02

[IL/IL]; 74 Yakinton St., 34792 Haifa (IL). **BUDER, Idan Moshe** [IL/IL]; 20103 Gilon (IL).

(21) International Application Number:
PCT/IL2005/000427

(22) International Filing Date: 21 April 2005 (21.04.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/570,609 13 May 2004 (13.05.2004) US

(71) Applicant (for all designated States except US): **SIGHT-LINE TECHNOLOGIES LTD.** [IL/IL]; MATAM, Advanced Technology Center, 31905 Haifa (IL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BAR-OR, Jacob** [IL/IL]; 10 Tidhar St., 34655 Haifa (IL). **GOLAN, Salman** [IL/IL]; 27 Nuri David St., 30200 Tirat Hacarmel (IL). **VOLOSHIN, Michael** [IL/IL]; 120/64 Derech Yad Le-Banim St., Haifa (IL). **AIZENHELD, Amram** [IL/IL]; Kibbutz Ramot Menashe, 19245 (IL). **SHEZIFI, Omer**

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

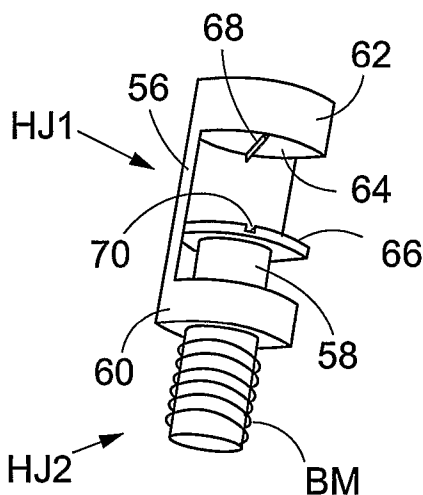
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, 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

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD FOR CUTTING AND SEALING OF DISPOSABLE MULTILUMEN TUBING



(57) Abstract: A method and device for cutting and sealing of disposable multilumen tubing (72) is disclosed. The method comprises providing a first surface (64) and an opposite second surface (66), placing a portion of the multilumen tubing (72) between the first and the second surface and applying heat and pressure to at least one of the first and the second surface so as to plastically deform and cut the said portion of the multilumen tubing and to heat-seal the cut ends thereof. The device for cutting and sealing comprises a first jaw and juxtaposed therewith a second jaw, said first and said second jaw are provided with respective first and second surface. The device further comprises biasing member (BM) exerting pressure on at least one of the said first and the second surface and a source of energy suitable for heating of at least one of the said first and the second surface.

WO 2005/110199 A1