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(71) Applicant (for all designated States except US): **NITI MEDICAL TECHNOLOGIES LTD.** [IL/IL]; P.O. Box 8634, Sappir Business & Technology Park, 42506 Netanya (IL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MONASSEVITCH,**

Leonid [IL/IL]; 6 Boaron St. Apt. A/18, 38303 Givat Olga (IL). **SPENSER, Benjamin** [IL/IL]; 42 Topaz Street, P.O. Box 4131, 38900 Caesarea (IL). **ARAD, Michael** [IL/IL]; 32 Remez St., 62192 Tel-Aviv (IL). **NE'EMAN, Ronen** [IL/IL]; 6 Hana Senesh St., 53454 Givataim (IL).

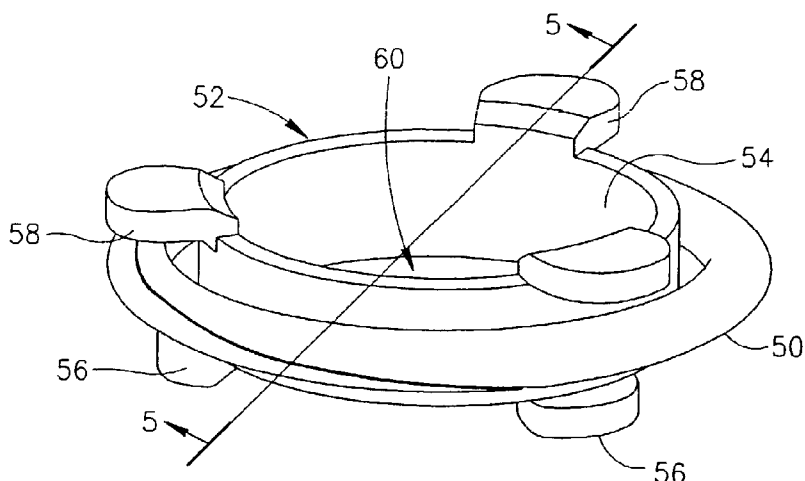
(74) Agent: **JEREMY M. BEN-DAVID & CO. LTD.**; Har Hotzvim Hi-Tech Park, P.O. Box 45087, 91450 Jerusalem (IL).

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(54) Title: INTRATUBULAR ANASTOMOSIS APPARATUS



(57) **Abstract:** Intratubular anastomosis apparatus for joining portions of a hollow organ after intussusception, includes a ring and a crimping support. The anastomosis ring includes a length of a wire formed of a shape memory alloy varying between a plastic state at a lower temperature, and an elastic crimping configuration, at a higher temperature, and defining a circular shape, having overlapping ends; the ring crimping adjacent organ portions against the support causing anastomosis therebetween. The support has a cylindrical side-wall, and end walls transverse thereto; an aperture for facilitating flow and means for operationally engaging the support to an applicator for positioning the support adjacent to the ring for crimping therebetween of organ wall portions. In an open surgery excising procedure, excision of a portion of diseased or problematic bowel is provided using an anastomosis ring and crimping support, achieving anastomosis whereby the risk of leakage is substantially reduced and no staples or sutures remain in the anastomosed bowel.

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