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(71) Applicant: **ALPHA TAU MEDICAL LTD.** [IL/IL]; 5 Kiryat Hamada Street, 9777605 Jerusalem (IL).

(72) Inventors: **KELSON, Itzhak**; 94 Dizengoff Street, 6439606 Tel Aviv (IL). **SCHMIDT, Michael**; 7 Eucalyptus Street, 4453507 Kfar Saba (IL). **MAGEN, Ofer**; 9 Alexander Pen Street, 4541509 Hod Hasharon (IL). **LEVY, Dor**; 3 Moshe Shamir Street, 4951945 Petach Tikva (IL). **SEGAL, Ronen**; 44 Avigur Street, 9312232 Jerusalem (IL). **GAT, Amnon**; 16 Oren Street, 4585800 Matan (IL). **LAX, Shai**; 27 Emek Ayalon, 9093027 Givat Zeev (IL).

(74) Agent: **KLIGLER & ASSOCIATES PATENT ATTORNEYS LTD.**; P.O. Box 20612, 6120601 Tel Aviv (IL).

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(54) Title: ALPHA-EMITTER SOURCES

(57) Abstract: A radiotherapy source (20, 30, 40) for treating a tumor, which includes a flexible core (22) impermeable to radon and a polymer coating (28, 48) on the flexible core. The polymer coating is impermeable to radium, and allows diffusion of radon therethrough. The radiotherapy source also includes alpha-emitting radium radionuclides (26) in the polymer coating or between the flexible core and the polymer coating.

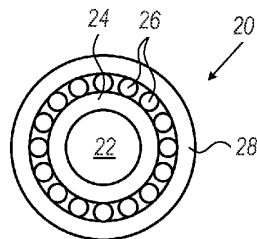


FIG. 1

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