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(21) International Application Number: PCT/US96/19109 (22) International Filing Date: 25 November 1996 (25.11.96) (30) Priority Data: 08/563,050 27 November 1995 (27.11.95) US (71) Applicant (for all designated States except US): IBt TECHNOLOGY PARTNERS [US/US]; 5435 Heathridge Terrace, Duluth, GA 30155 (US). (72) Inventor; and (75) Inventor/Applicant (for US only): CONIGLIONE, Roy [US/US]; 5435 Heathridge Terrace, Duluth, GA 30155 (US). (74) Agent: ELMAN, Gerry, J.; Elman & Associates, 20 West Third Street, P.O. Box 1969, Media, PA 19063-8969 (US).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published With international search report.
(54) Title: HOLLOW-TUBE BRACHYTHERAPY DEVICE		
(57) Abstract A novel brachytherapy device is disclosed that is formed from a hollow-tube-shaped seed-substrate, allowing the easy association of the device with suture material. This shape minimizes the chance of migration of implanted seeds due to better attachment to tissue. The distribution of the radioactive material on the exterior surface of the tubular device provides a relatively uniform radiation field around the hollow-tube-shaped brachytherapy seed source. Brachytherapy devices are disclosed that are inherently radioactive. Also disclosed are devices that can be rendered radioactive by the transmuting effects of neutron irradiation. Brachytherapy devices are disclosed that facilitate medical application and improve safety for patients and medical personnel.		