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(72) Inventors; and
(71) Applicants: **PHILLIPS, William T.** [US/US]; c/o Office of Technology Commercialization, 8403 Floyd Curl Dr, MS 7746, San Antonio, Texas 78229 (US). **BITAR, Ryan** [US/US]; c/o Office of Technology Commercialization, 8403 Floyd Curl Dr, MS 7746, San Antonio, Texas 78229 (US).

(74) Agent: **LANDRUM, Charles**; 98 San Jacinto Blvd., Suite 1100, Austin, Texas 78701 (US).

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(54) Title: RADIOTHERAPEUTIC MICROSPHERES

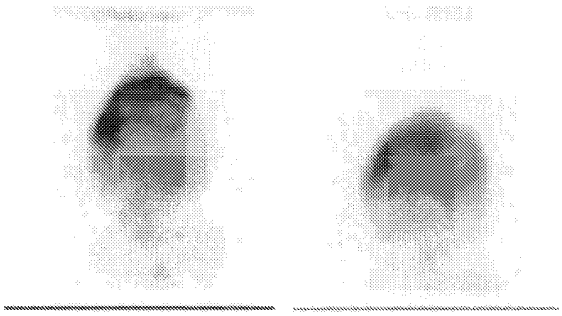


FIG. 1

(57) Abstract: Certain embodiments are directed to compositions comprising and method for producing alginate microspheres that contain liposomes encapsulating a variety of useful substances. Substances of note that can be encapsulated in liposomes and loaded into alginate microspheres include radiotherapeutics (e.g., rhenium-188), radiolabels (e.g., technetium-99m), chemotherapeutics (doxorubicin), magnetic particles (e.g., 10 m iron nanoparticles), and radio-opaque material (e.g., iodine contrast).

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