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(71) Applicant: NOVOSTE CORPORATION [US/US]; 3890 Steve Reynolds Boulevard, Norcross, GA 30093 (US).

(72) Inventors: LARSEN, Charles, E.; 6080 Cherokee Trace, Cumming, GA 30130 (US). FARNAN, Robert, C.; 3110 Ennfield Lane, Duluth, GA 30096 (US).

(74) Agent: HELLER, Stephen, B.; Cook, Alex, McFarron, Manzo, Cummings & Mehler, Ltd., Suite 2850, 200 West Adams Street, Chicago, IL 60606 (US).

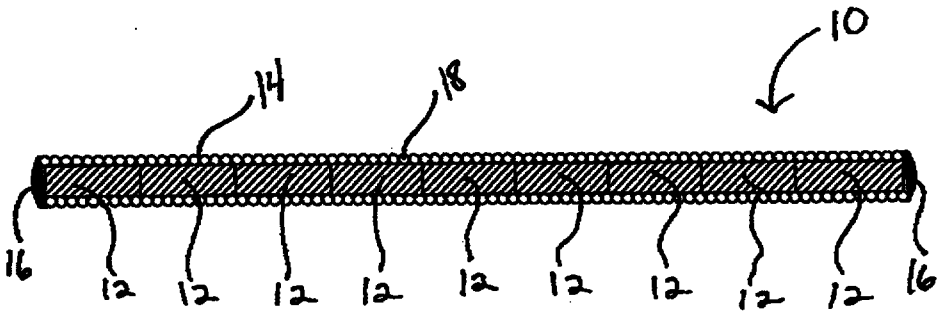
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(54) Title: RADIOACTIVE SOURCE TRAIN



(57) Abstract: A treating element source train (10) that comprises a plurality of treating elements (12), with each treating element comprising a hollow outer housing (14) closed on each end and a radiation emitting substance encapsulated therein. The treating elements are aligned end-to-end, and a wire (18) is wound around the exterior of the treating elements to maintain the treating elements in their end-to-end relationship. The wire may be helically coiled about the treating elements, or braided around them. Also, the wire may be secured to the proximal and distal treating elements, or to each individual treating element. Preferably, the wire is made of a radiopaque material such as gold, platinum, platinum iridium, tungsten and tantalum. In an alternate embodiment, the source train may be provided with an endcap (16) at either end, with the wire jacket being secured to each endcap.

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