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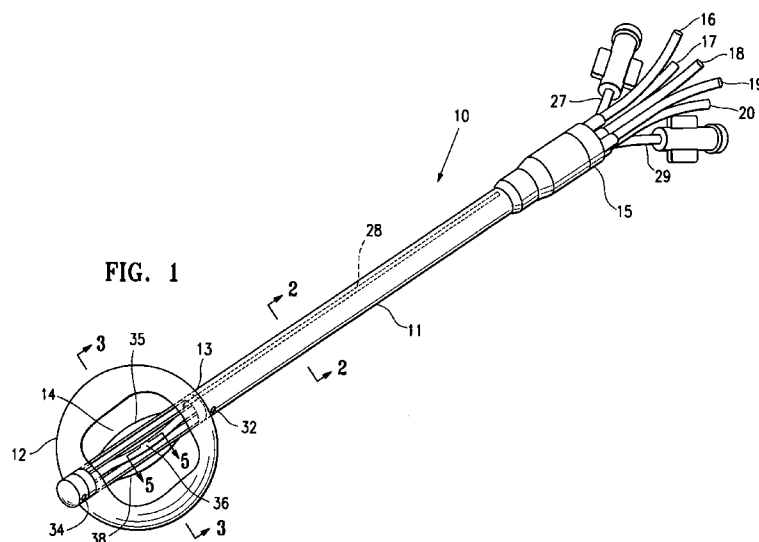
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(54) Title: SOFT BODY CATHETER WITH LOW FRICTION LUMEN



(57) Abstract: The disclosure is directed to radiation catheter devices, methods for controlled application of irradiation to tissue at a body site, such as a cavity formed after removal of tissue, e.g. cancer, using such radiation catheter devices, solutions for forming a more lubricious luminal surface and method for lining lumens of such devices to improve the frictional characteristics thereof. The catheter device includes a flexible elongated shaft which is formed of low durometer polymeric material, which can be readily folded or coiled for securing the shaft to or under the skin of the patient and a radiation lumen lined with high durometer polymeric material to improve the frictional characteristics. The elongated shaft has at least one inner lumen for receiving a radiation source which has a layer of high durometer polymeric material that provides lower surface friction to facilitate advancement of a radiation source therein.



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- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*