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(54) Title: VASCULAR ACCESS DEVICE TO REDUCE BUCKLING OF A PROBE

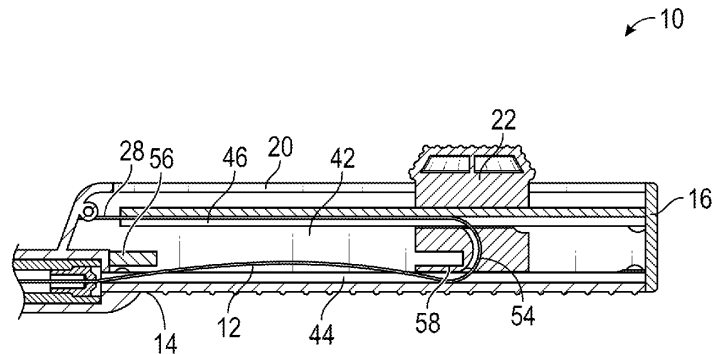


FIG. 2A

(57) Abstract: A vascular access device may include a housing, which may include a distal end, a proximal end, and a slot. An advancement element may extend through the slot and may be configured to move linearly along the slot between a retracted position and an advanced position. In response to movement of the advancement element from the retracted position to the advanced position, a probe of the vascular access device may be advanced beyond the distal end. The vascular access device may include one or more features to reduce buckling of the probe and limit displacement of the probe. For example, the vascular access device may include a protrusion fixed within the housing distal to the advancement element. As another example, the vascular access device may include a distally-extending arm and/or a recess configured to receive the distally extending arm.

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