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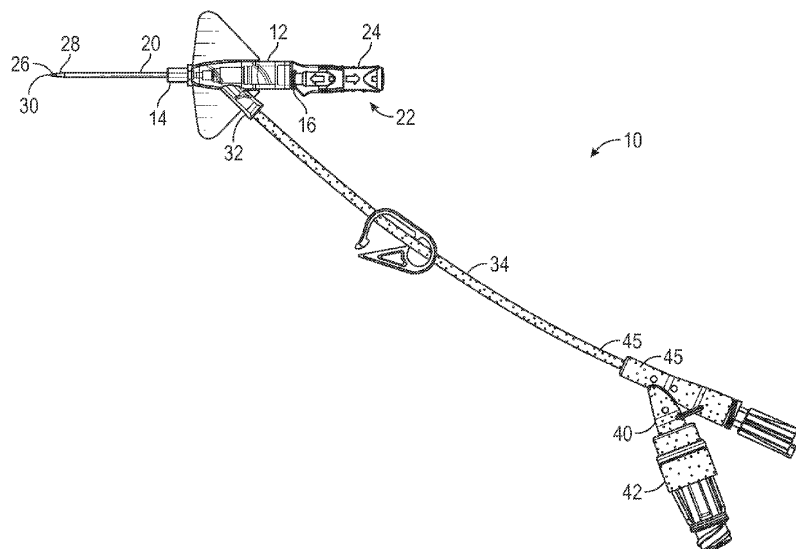


FIG. 1A

(57) Abstract: A catheter assembly 10, comprising: a catheter adapter 12, comprising a distal end 14, a proximal end 16, and a lumen 18 extending through the distal end of the catheter adapter and the proximal end of the catheter adapter; a catheter 20 extending distally from the distal end of the catheter adapter; and an introducer needle 22 extending through the catheter, wherein an anti-thrombogenic material is extruded through a die to form the catheter or the catheter adapter.

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