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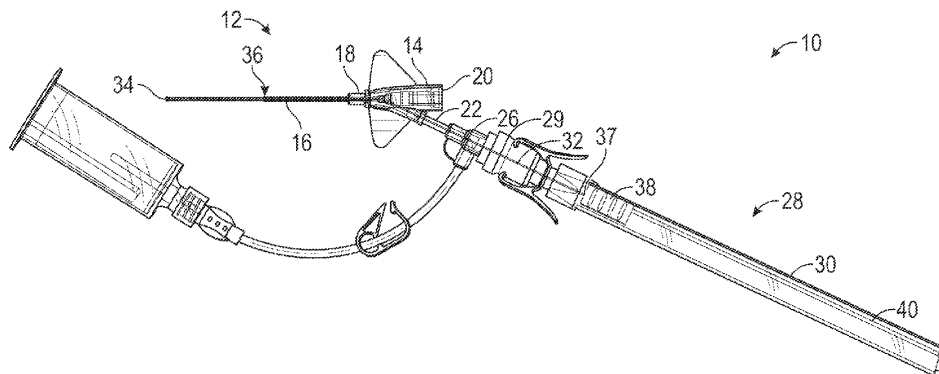


FIG. 1B

(57) Abstract: A vascular access instrument configured to insert through a vascular access device. The vascular access instrument may include a wire, which may include a proximal end and a distal end opposite the proximal end. The distal end may include a bent shape, which may facilitate removal of a thrombus. The bent shape may include a looped portion. The bent shape may include a S-shaped portion proximate a U-shaped portion. The bent shape may include a spiral. The instrument advancement device may be configured to advance the vascular access instrument from a retracted position within a catheter assembly to an advanced position beyond a distal end of the catheter. The vascular access instrument may include an intraluminal layer, which may bend from an inner portion of the catheter to an outer surface of the catheter around an edge of the catheter forming a distal opening of the catheter.

[Continued on next page]

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