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(54) Title: VASCULAR ACCESS DEVICE WITH NON-CONTACT GUIDEWIRE ADVANCEMENT

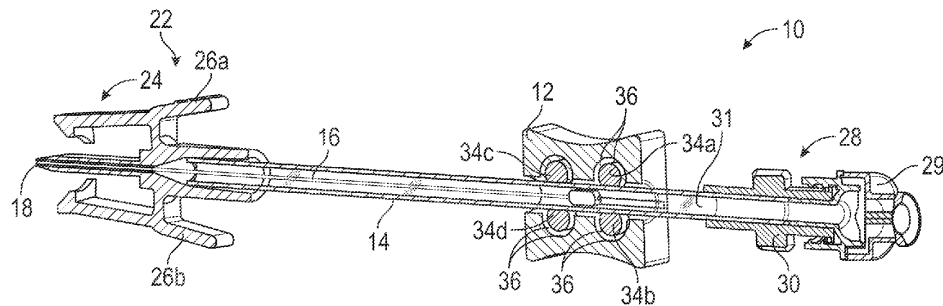


FIG. 2A

(57) Abstract: A vascular access device may include an advancement element and a housing. The housing may include a lumen extending therethrough, which may be used for blood collection. The vascular access device may include a pair of opposing pinch members configured to pinch the housing. The pair of opposing pinch members may be configured to move along the housing with the advancement element. The vascular access device may include a guidewire, which may include a wedge. In response to moving the advancement element distally along the housing, the pair of opposing pinch members may move the wedge distally and the guidewire may be advanced distally. The proximal end of the guidewire may include a looped portion, and in response to moving the advancement element distally along the housing, the pair of opposing pinch members may be aligned with an opening formed by the looped portion and advance the guidewire distally.

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