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(54) Title: TUBULAR INSTRUMENT HAVING A DYNAMIC TIP AND RELATED DEVICES AND METHODS

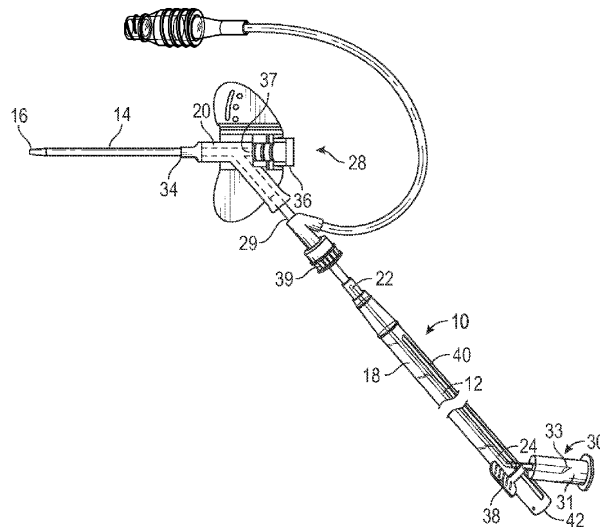


FIG. 1A

(57) **Abstract:** A delivery device to deliver a tubular instrument into a catheter extending distally from a catheter adapter. The delivery device may include a housing configured to couple to the catheter adapter. The delivery device may include a tubular instrument configured to insert through the catheter. The tubular instrument may include a distal end, a proximal end, and a lumen extending between the distal end and the proximal end. The distal end may include a distal tip, which may be closed. The proximal end may be secured within the housing. The tubular instrument may be configured to advance distally with respect to the housing. The delivery device may include a pressure-sensitive valve disposed at the distal tip or within the distal end. The pressure-sensitive valve may be configured to move from the closed position to an open position in response to a predetermined vacuum pressure level within the lumen.

[Continued on next page]

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