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(54) **Title: CATHETER ASSEMBLY AND RELATED DEVICES AND METHODS**

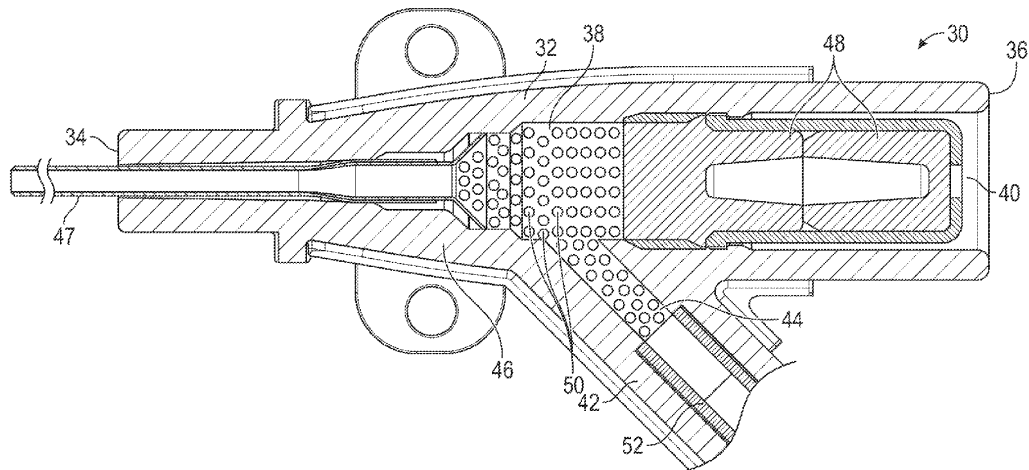


FIG. 2A

(57) **Abstract:** A catheter assembly may include a catheter adapter, which may include a distal end, a proximal end, an inner surface extending through the distal end and the proximal end and forming a lumen, and a side port forming a side port pathway through a sidewall of the catheter adapter and in fluid communication with the lumen. The catheter assembly may include a catheter extending distally from the distal end of the catheter adapter. The catheter assembly may include a septum disposed within the lumen proximal to the side port pathway. A portion of the inner surface proximal to the catheter and distal to the septum may include one or more of the following: a textured surface, a channel configured to direct fluid flowing into the lumen from the side port, a protrusion extending inwardly into the lumen opposite the side port pathway, and an annular shoulder.

[Continued on next page]

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