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(54) **Title:** CATHETER SYSTEM CLAMP, SYSTEMS, AND METHODS

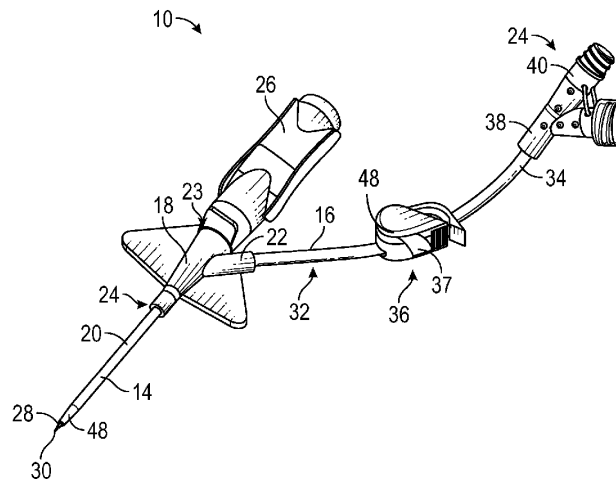


FIG. 1A

(57) **Abstract:** A method to manage flushing of a catheter assembly may include providing a clamp for a fluid tube configured to be coupled to the catheter assembly. The clamp may include a sensor configured to detect the clamp is closed. The method may include starting a timer in response to the sensor detecting the clamp is closed. The method may include providing an alert in response to the timer reaching a predetermined duration of time. The alert may indicate to a clinician that the catheter assembly should be opened and flushed, which may prevent occlusion of the catheter assembly.

[Continued on next page]

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