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(54) Title: ACCESS SYSTEMS, DEVICES, AND METHODS THEREOF

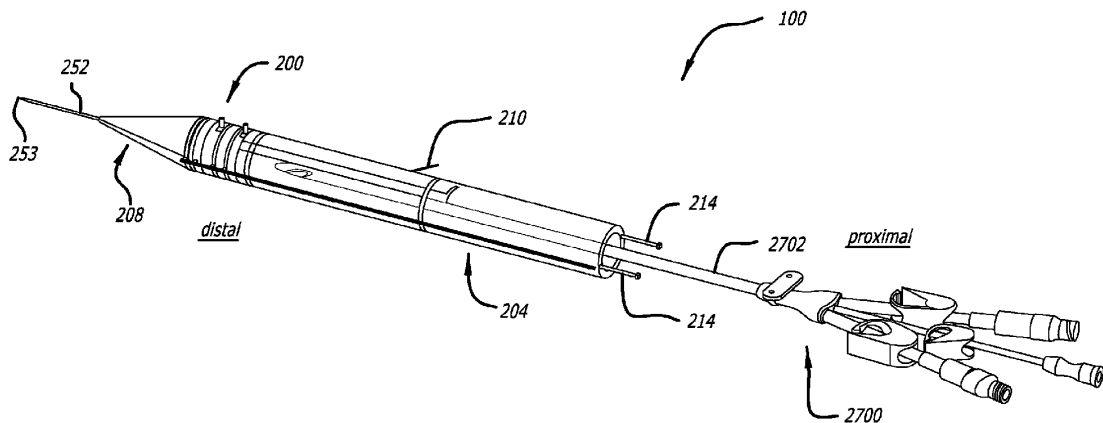


FIG. 1

(57) **Abstract:** Disclosed are access systems, devices, and methods for internal access to a patient's body. For example, an access device for placing an acute dialysis catheter can include a frame; a housing, a pair of guidewire clamps, and a needle disposed on the frame; a dilator coupled to the frame, and an access guidewire in a ready-to-deploy state of the access device. The pair of guidewire clamps can be disposed on the frame between an end portion of the frame and a distal end of the housing for clamping the access guidewire. A needle hub of the needle can be disposed on the frame between the pair of guidewire clamps. The dilator can distally extend from the end portion of frame. A needle shaft of the needle can distally extend beyond a distal end of the dilator allowing the needle to establish an insertion site for the acute dialysis catheter.

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