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(54) Title: MULTI-PURPOSE DELIVERY NEEDLE

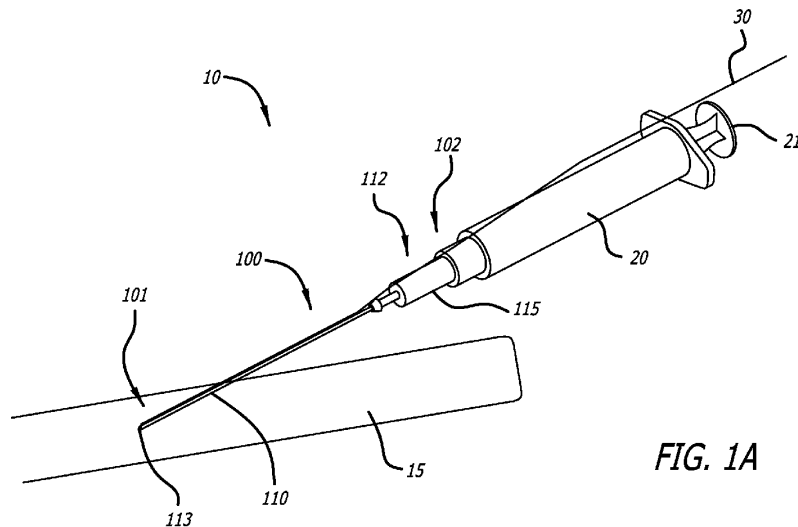


FIG. 1A

(57) Abstract: A needle (10) for accessing a vasculature of a patient is disclosed. The cannula (100) of the needle includes a fluid lumen (120) extending from the distal end to the proximal end and a guideway lumen (130) extending proximally away from the distal end. The guideway lumen is configured for placement of a guidewire therein, and the guideway lumen includes a guideway slot extending along a length of the guideway lumen, where the guideway slot (135) extends radially through a guideway-lumen wall and extends along the guideway lumen to the distal end. Also disclosed is a sheath (140) covering the cannula and the sheath includes a separable portion (141) through which guidewire may laterally pass. Also disclosed is a collar (960) rotatably positionable between a guidewire secure position and a guidewire release position.

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