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(54) Title: CATHETER PLACEMENT SYSTEM WITH SPLITTABLE ANCHOR

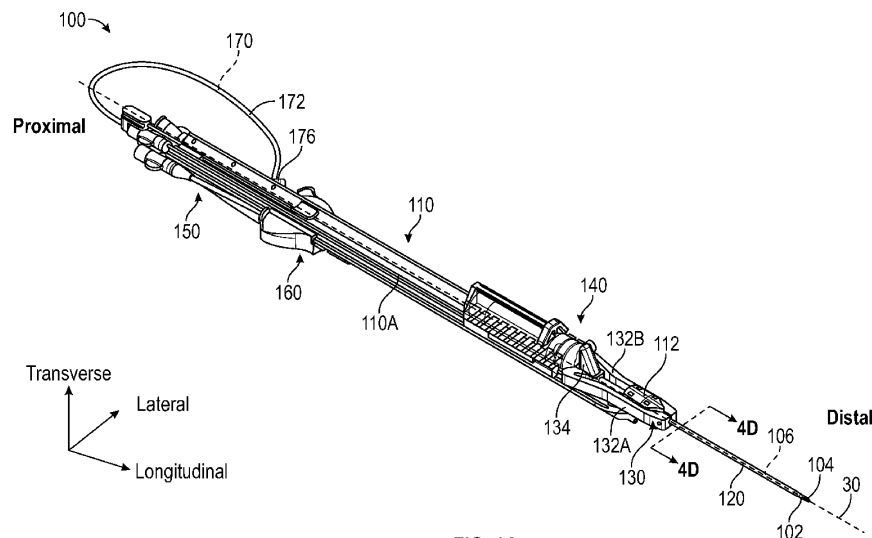


FIG. 1A

(57) **Abstract:** Embodiments of catheter placement systems described herein include a temporary splittable sheath anchor (120), disposed on an outer surface of a needle (102). The splittable anchor moves with respect to the needle when accessing the vessel, allowing for a temporary anchor to be created as soon as venous access is confirmed via flashback. The clinician can advance the anchor over the needle once vessel access has been confirmed by flashback. The needle can then be removed without further insertion into the vessel, mitigating accidental trauma. The guidewire (170) can then be introduced through the anchor and advanced to a target location within the vasculature. The anchor can then be removed by splitting and withdrawing the anchor proximally. Embodiments further include a splittable advancement sheath (260) including a guidewire and configured to be drawn thorough a housing and split to allow the guidewire to separate from the advancement sheath and advance into the vasculature.

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