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(54) **Title:** VASCULAR ACCESS INSTRUMENT HAVING A FLUID PERMEABLE STRUCTURE AND RELATED DEVICES

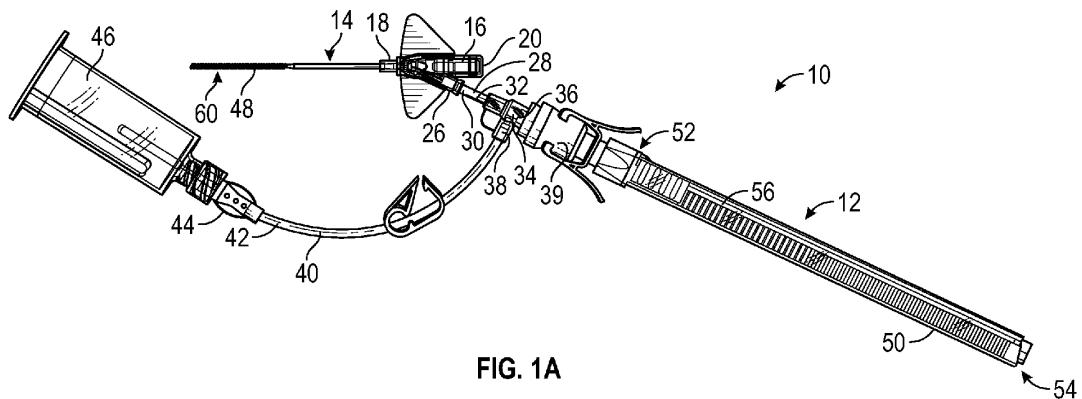


FIG. 1A

(57) **Abstract:** A delivery device (12) to deliver a guidewire (48) through an intravenous catheter assembly including a housing (50), which includes a distal end (52), a proximal end (54), and a slot (56). The delivery device includes the guidewire (48), which includes a proximal end (58) and a distal end (60). The delivery device includes a guidewire hub (62) disposed within the housing. The guidewire is secured to the guidewire hub, and the guidewire hub is configured to move along the slot to advance the guidewire in a distal direction. The distal end of the guidewire includes a fluid permeable structure (64). For example, the fluid permeable structure may include an elongated core (66) and a coil (68) extending around the elongated core wherein a space between the elongated core and the coil is configured to receive blood in response to the guidewire being inserted into the vasculature.

[Continued on next page]

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