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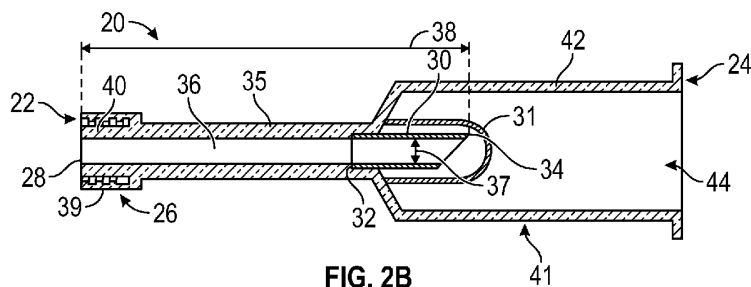


FIG. 2B

(57) Abstract: A blood collection device to reduce hemolysis in a peripheral intravenous catheter system may include a distal end. The distal end of the blood collection device may include a male luer adapter, which may include a distal opening. The blood collection device may include a cannula in fluid communication with the male luer adapter. The cannula may include a distal end and a sharp proximal tip. The blood collection device may include an elongated neck disposed between the male luer adapter and the sharp proximal tip. The blood collection device may include a fluid pathway extending from the distal opening through the sharp proximal tip. A diameter of the fluid pathway may be constant. An entire length of the fluid pathway is represented by L, and the diameter of the fluid pathway is represented by D. D^4/L may be equal to or less than a predetermined value.



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