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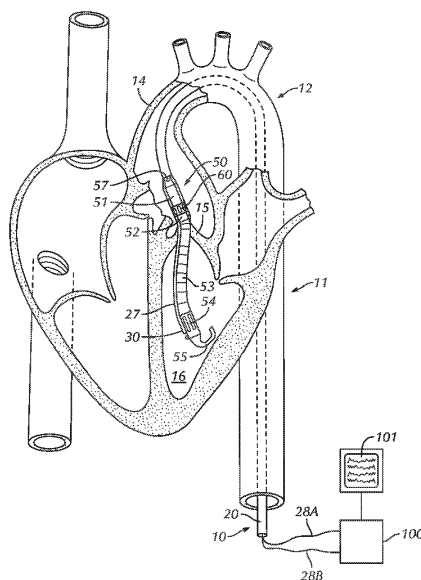


FIG. 1

(57) Abstract: A system that includes a cannula and a flexible hypotube attached to the cannula configured to slidably receive an optical fiber. The system may be configured to have a ratio R1 of a diameter of the outer surface of the hypotube to a diameter of the inner surface of the cannula is $1.5 > R1 > 1.25$, and/or where the flexible hypotube comprises a tubular portion containing at least one cut extending from the outer surface at least partially through the sidewall of the flexible hypotube, each cut having a maximum width of between 0.01 and 0.1 mm.

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