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Marks

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[54] RETRACTABLE-WIRE CATHETER DEVICE AND METHOD

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[58] Field of Search 606/195, 198, 200, 191; 128/899; 210/448; 623/1, 12

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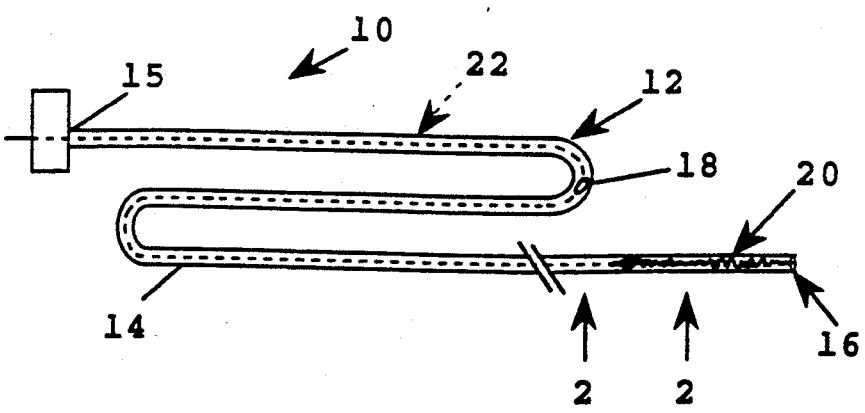
[57] ABSTRACT

Apparatus and method for placing a vaso-occlusion wire at a selected site in a vessel. The apparatus includes a catheter, and a pusher-and-wire assembly in which a vaso-occlusion wire is held in an axially clamped position until the wire has been advanced beyond the end of the catheter. The assembly may be adapted for guiding the catheter to the site, either by flow-directed or wire-directed movement.

29 Claims, 8 Drawing Sheets