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United States Patent [19]

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Limon et al.

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[54] **SELF-EXPANDING STENT DELIVERY SYSTEM**

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[*] Notice: This patent issued on a continued prosecution application filed under 37 CFR 1.53(d), and is subject to the twenty year patent term provisions of 35 U.S.C. 154(a)(2).

[21] Appl. No.: **08/680,429**

[22] Filed: **Jul. 15, 1996**

[51] Int. Cl.⁷ **A61F 2/06**

[52] U.S. Cl. **623/1; 606/108; 606/192**

[58] Field of Search **606/1, 108, 191-200; 623/1, 11, 12**

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Attorney, Agent, or Firm—Fulwider Patton Lee & Utecht, LLP

ABSTRACT

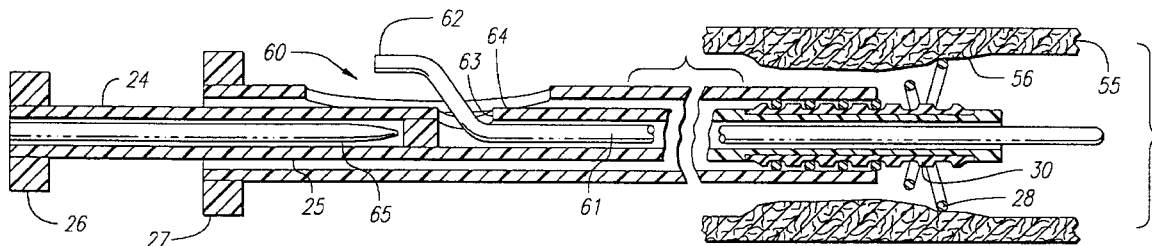
[57] A stent-delivery catheter system delivers and implants a self-expanding stent intraluminally into a human patient's body lumen. A self-expanding stent is removably attached to the distal end of an inner member so that attachment projections prevent axial movement of the stent on the inner member while the stent is being delivered and implanted in a patient's body lumen.

13 Claims, 6 Drawing Sheets

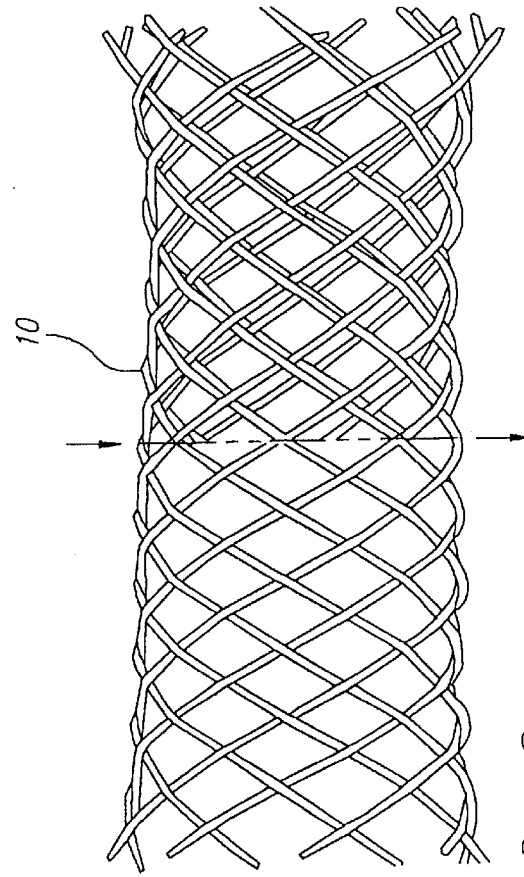
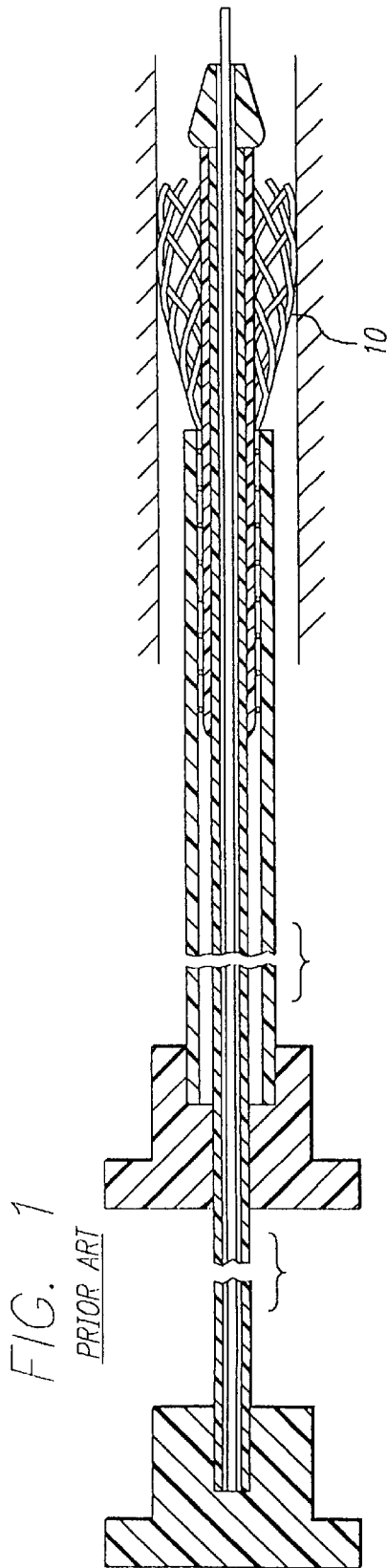
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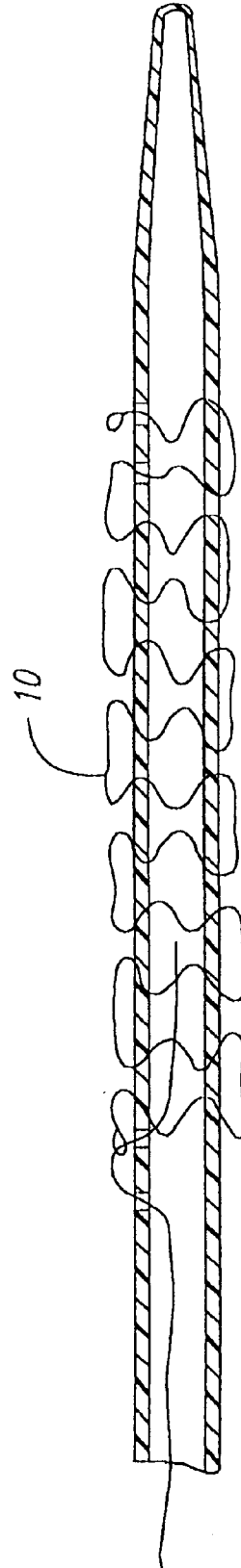
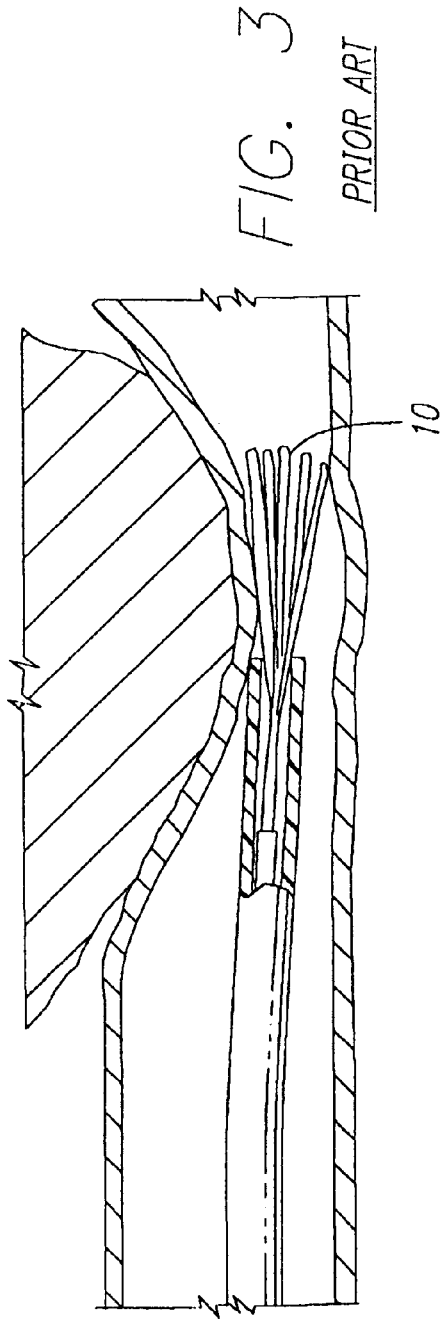
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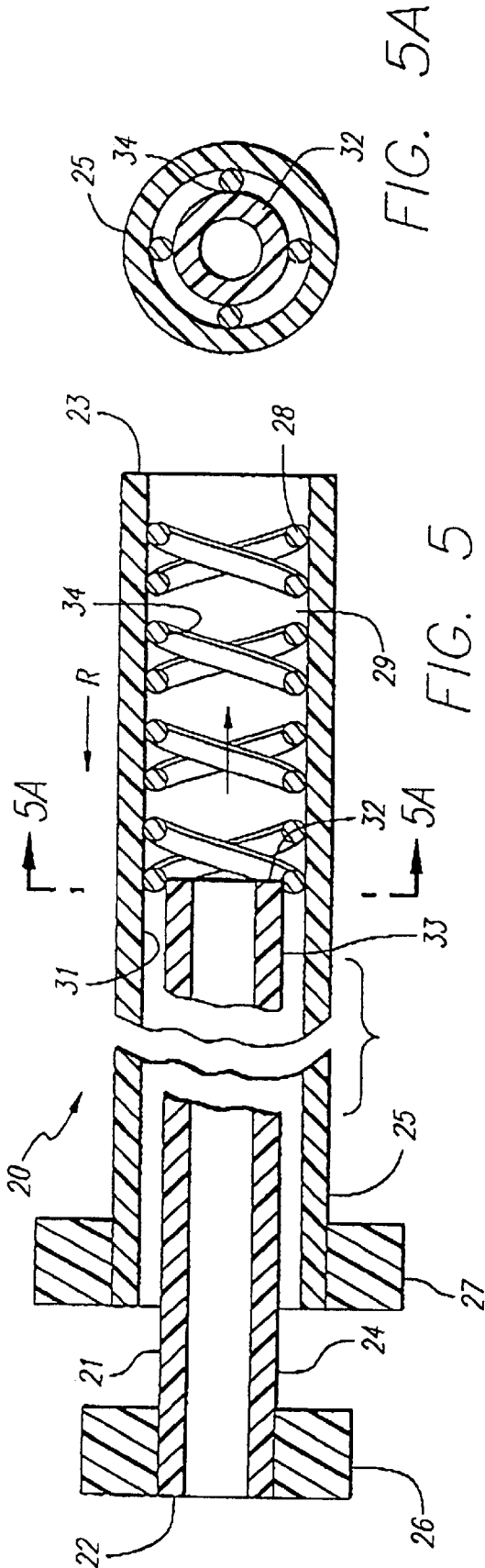


FIG. 5A

FIG. 5

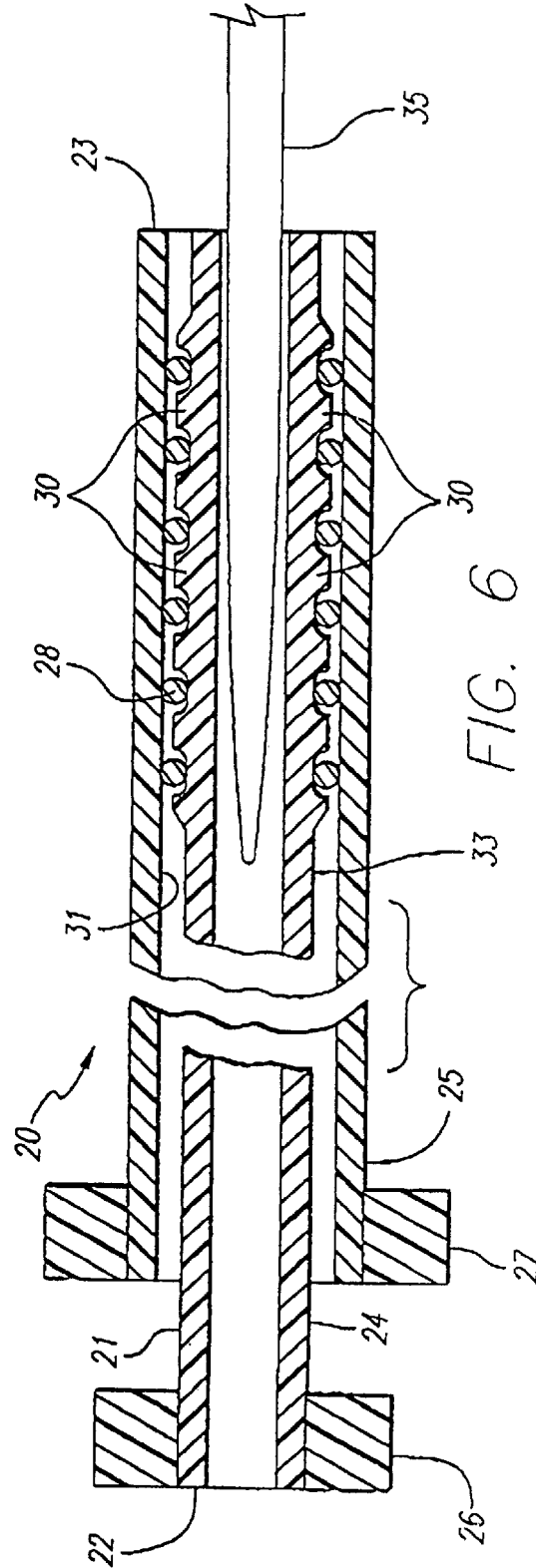


FIG. 6

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