

(12) **United States Patent**  
**Bailey et al.**

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(54) **ENDOLUMINAL CARDIAC AND VENOUS VALVE PROSTHESES AND METHODS OF MANUFACTURE AND DELIVERY THEREOF**

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(73) Assignee: **ABPS Venture One, Ltd.**, San Antonio, TX (US)

(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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(52) **U.S. Cl.** ..... **623/1.24; 623/1.26**

(58) **Field of Search** ..... **623/1.24, 1.25, 623/1.26**

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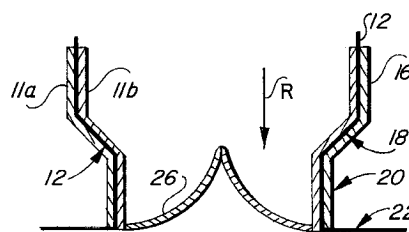
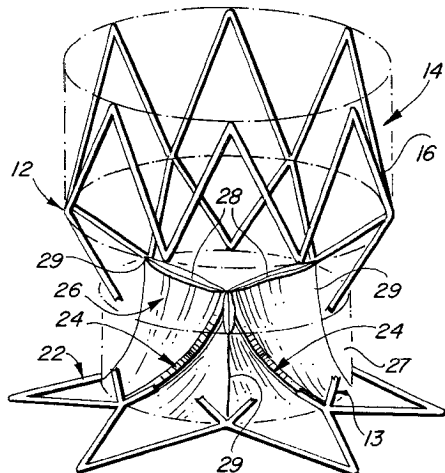
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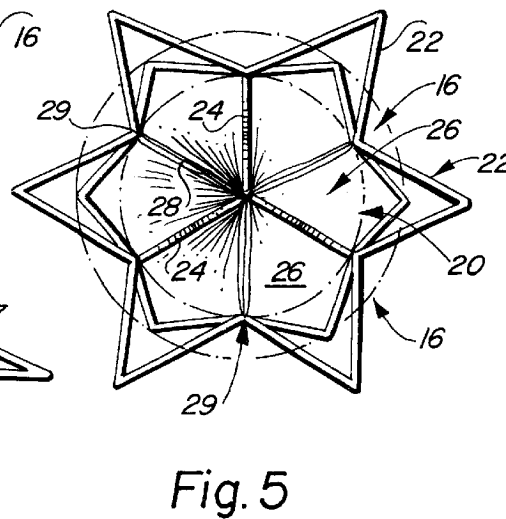
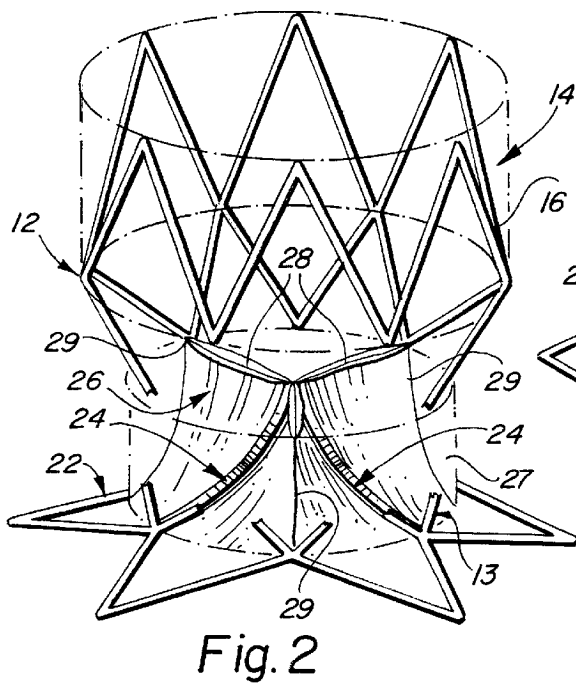
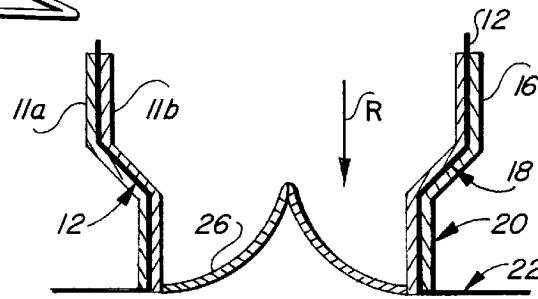
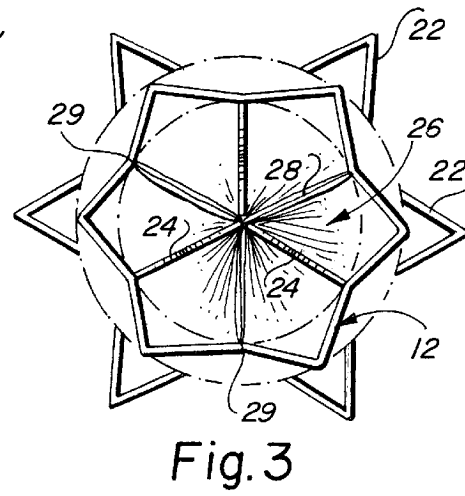
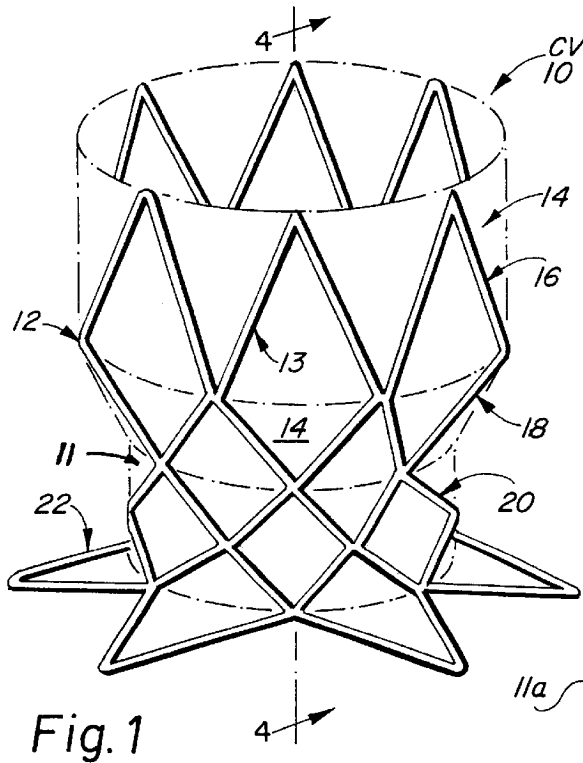
(74) *Attorney, Agent, or Firm*—David G. Rosenbaum; Rosenbaum & Associates, P.C.

(57) **ABSTRACT**

This invention relates to prosthetic cardiac and venous valves and a single catheter device and minimally invasive techniques for percutaneous and transluminal valvuloplasty and prosthetic valve implantation.

**25 Claims, 6 Drawing Sheets**





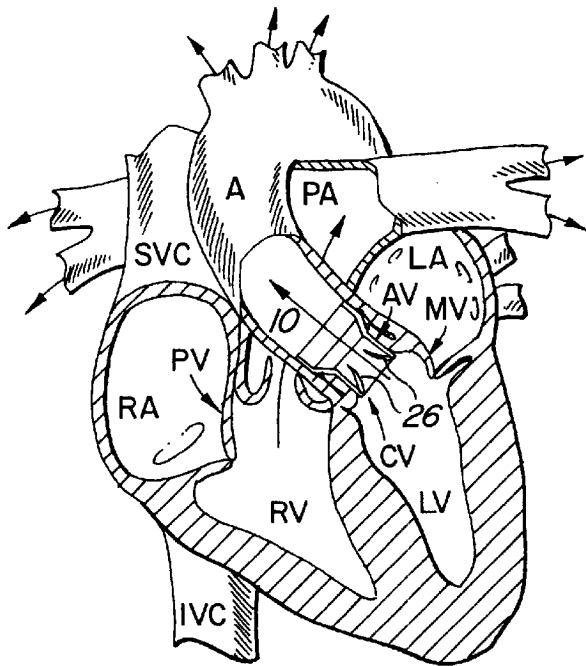


Fig. 6A

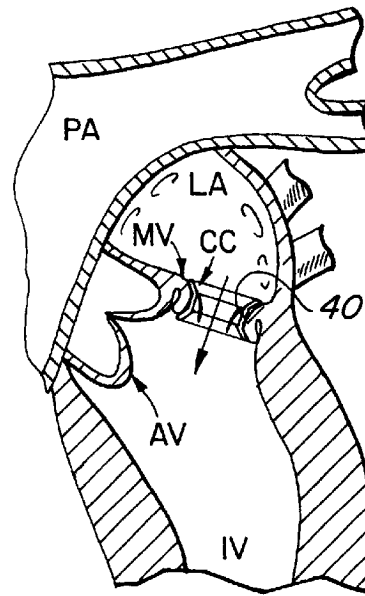


Fig. 12A

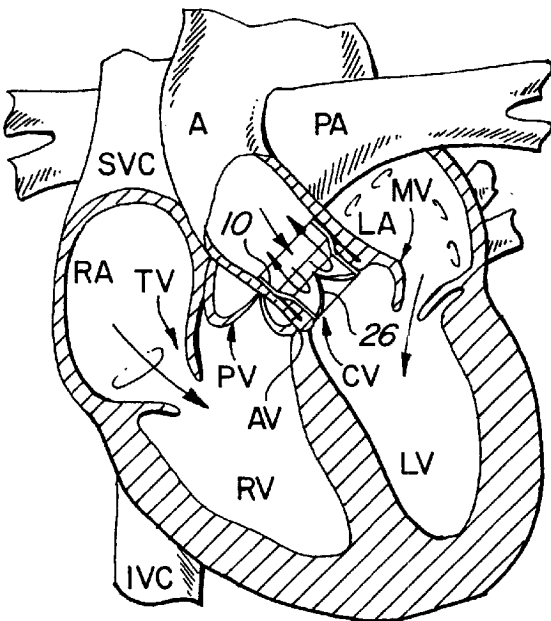


Fig. 6B

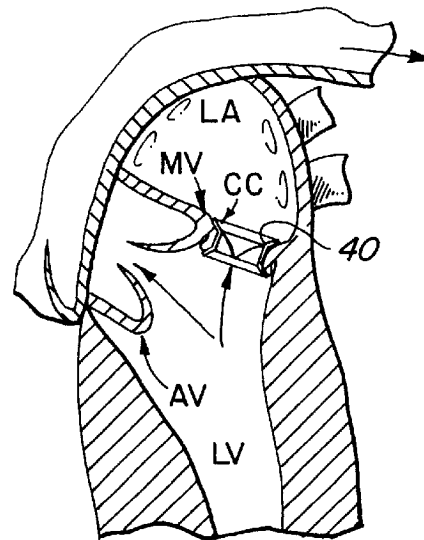


Fig. 12B

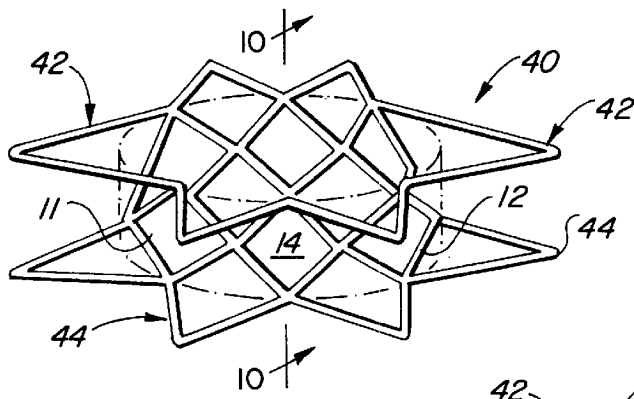


Fig. 7

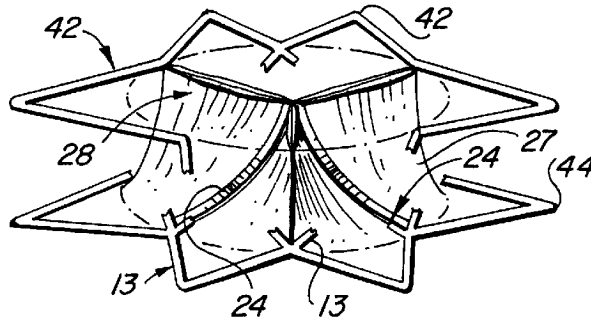


Fig. 8

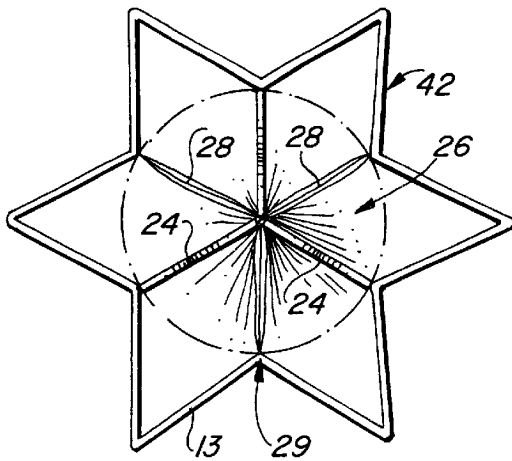


Fig. 9

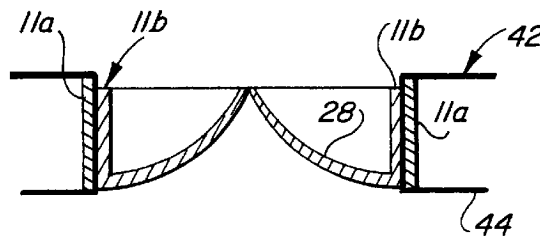


Fig. 10

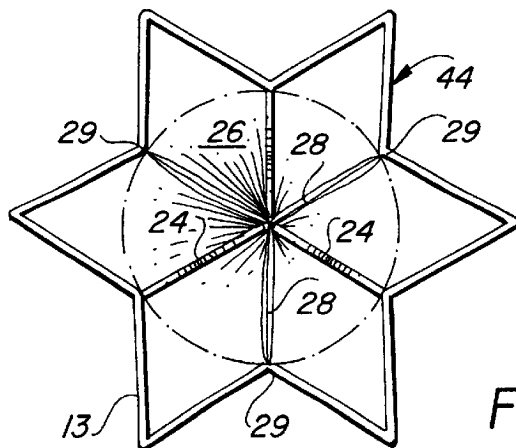


Fig. 11

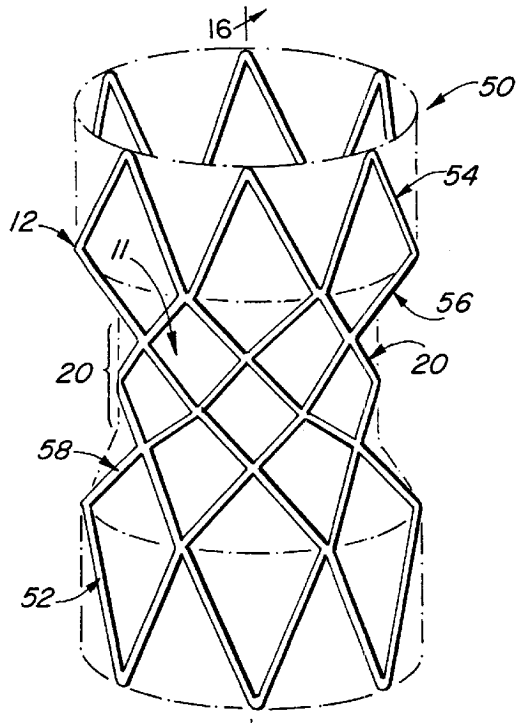


Fig. 13

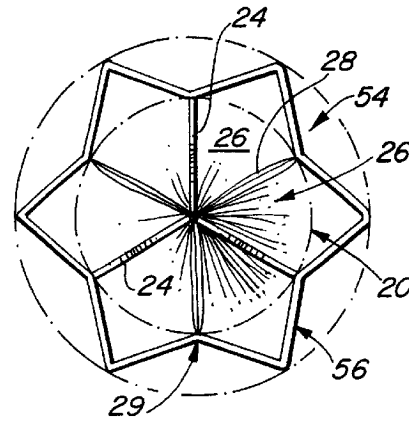


Fig. 15

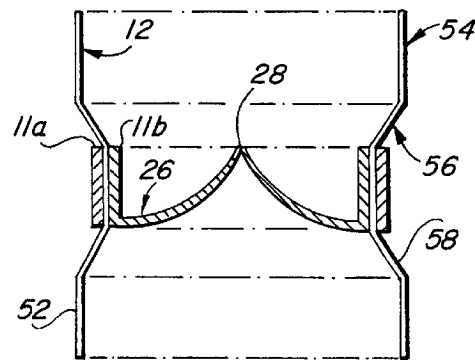


Fig. 16

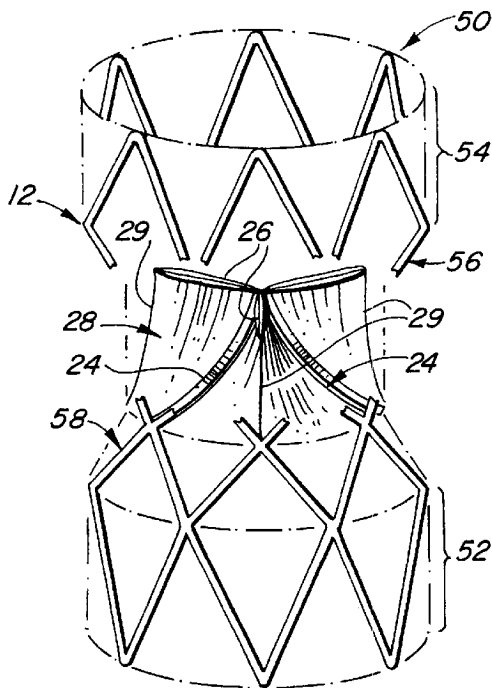


Fig. 14

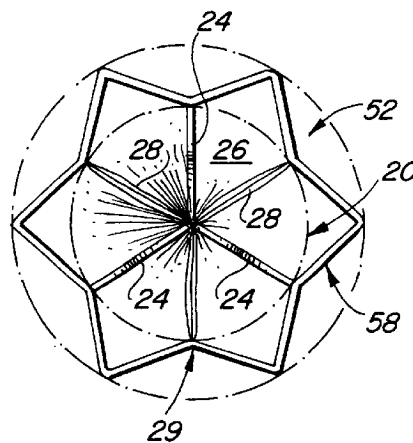


Fig. 17

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