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(54) **BIOPROSTHETIC CARDIOVASCULAR VALVE SYSTEM**

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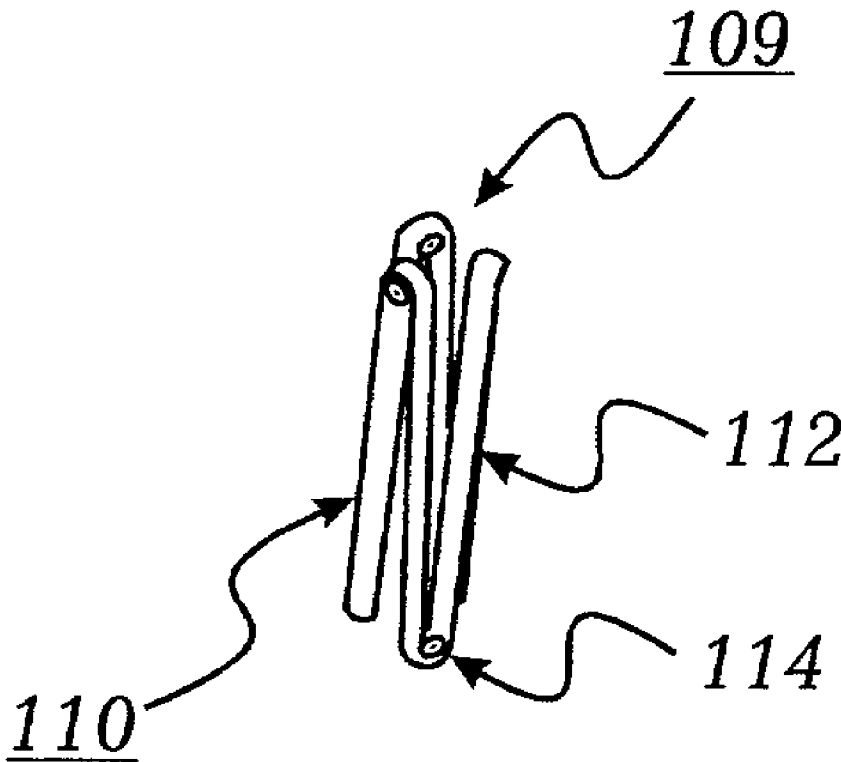
(73) Assignee: **The Cleveland Clinic Foundation**

(57) **ABSTRACT**

A cardiovascular valve system including a permanent base unit that is affixed to the patient using conventional sutures or staples, and a collapsible valve having a collapsible frame that mates with the permanent base unit, and supports valve leaflets. An installed collapsible frame may be re-collapsed and disengaged from the permanent housing. A new collapsible valve is then installed, to resume the function of the prosthesis.

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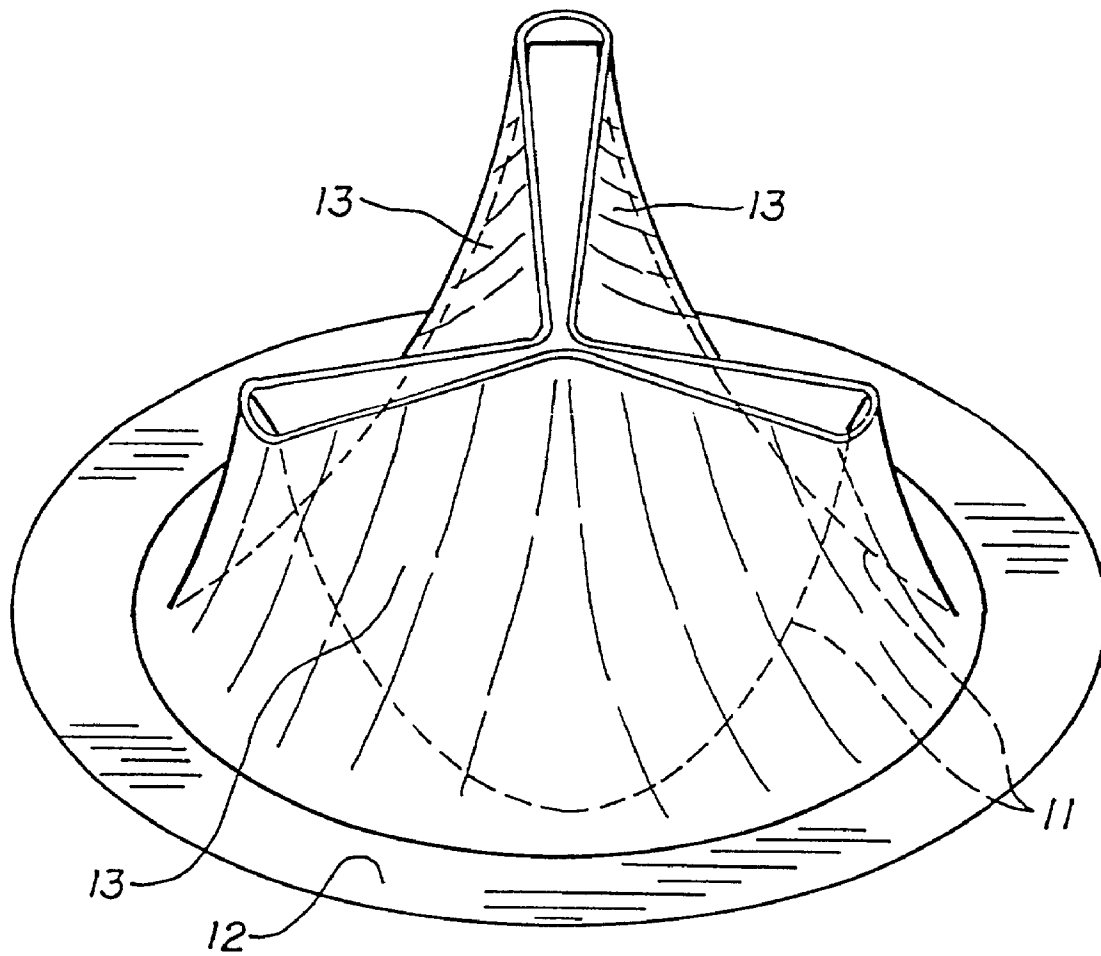


Fig. 1
(PRIOR ART)

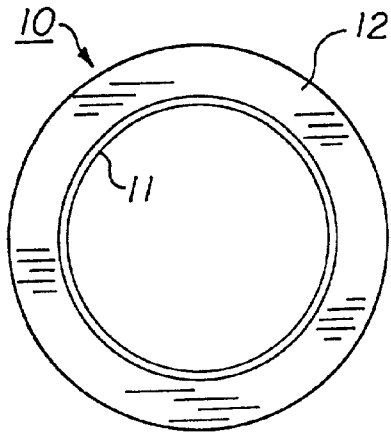


Fig. 2

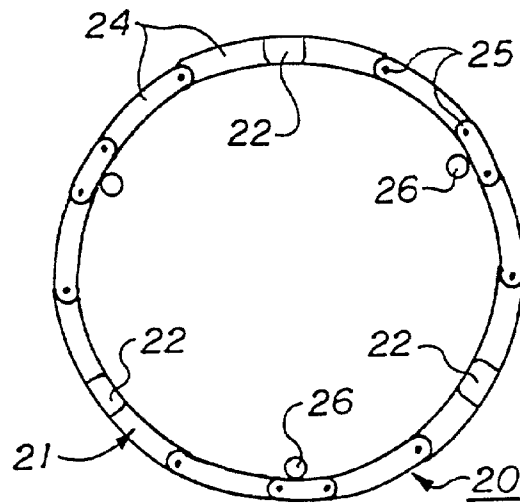


Fig. 3B

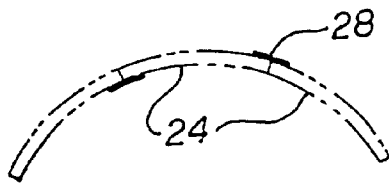


Fig. 4A

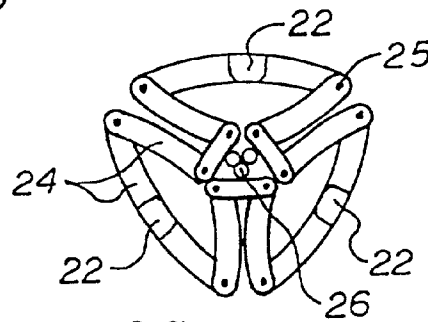


Fig. 3C

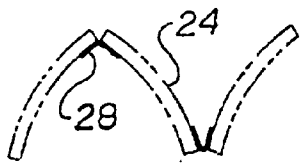


Fig. 4B

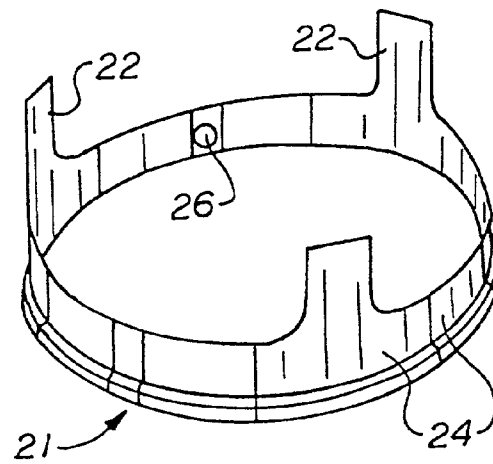


Fig. 3A

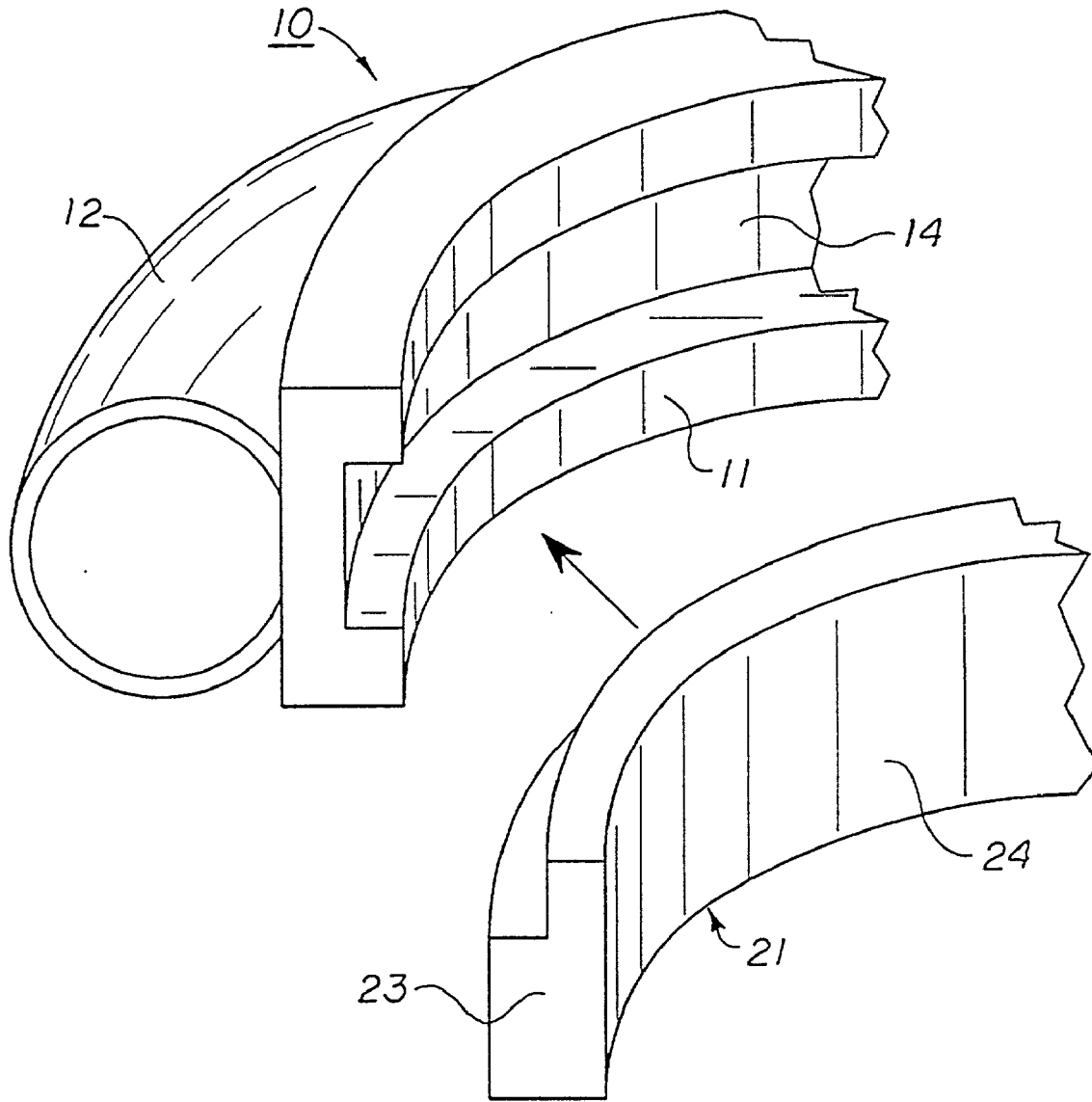
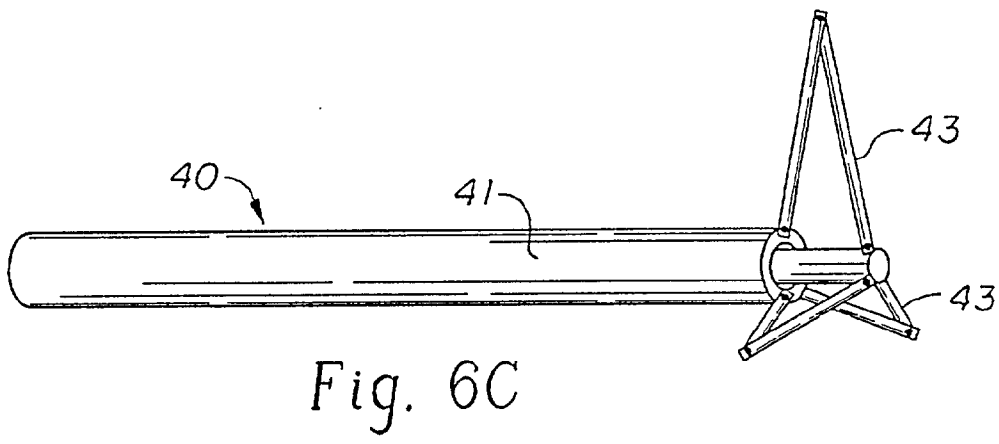
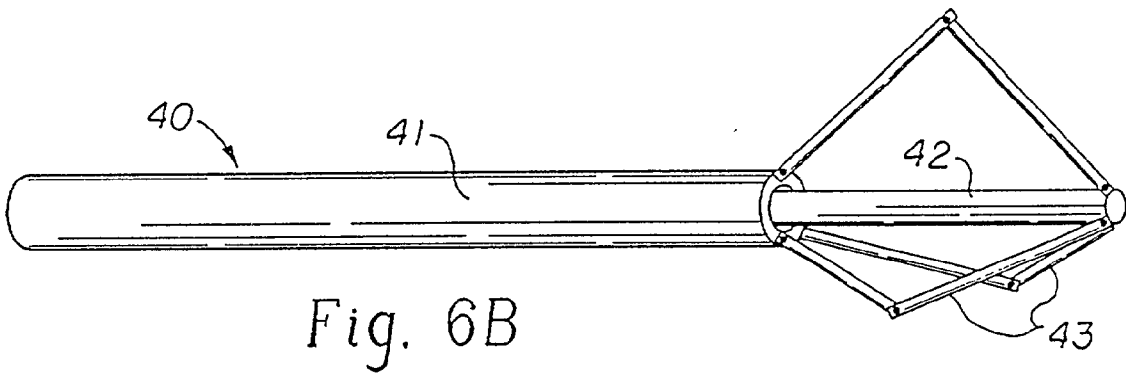
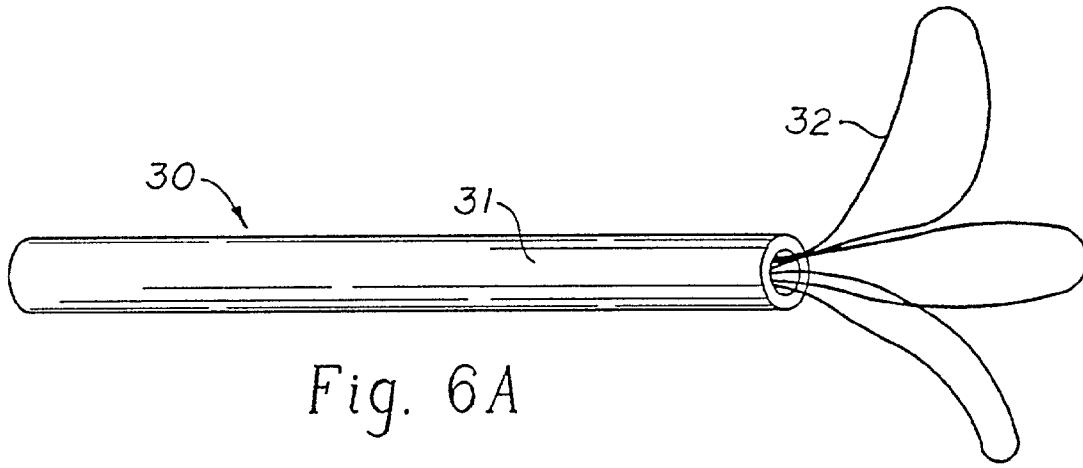


Fig. 5



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