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(54) **SINGLE CATHETER MITRAL VALVE REPAIR DEVICE AND METHOD FOR USE**

(52) **U.S. Cl. 606/213**

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(57) **ABSTRACT**

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A single catheter mitral valve repair device for stabilizing a tissue portion and selectively applying a tissue fastener thereto. The single catheter mitral valve repair device of the present invention includes an extendable engagement tip having at least one vacuum port formed thereon, at least one deployable fastener in communication with the engagement tip, and at least one actuator member in communication with the port. The deployable fastener is capable of controllably engaging and fastening a tissue segment located proximal to the engagement tip.

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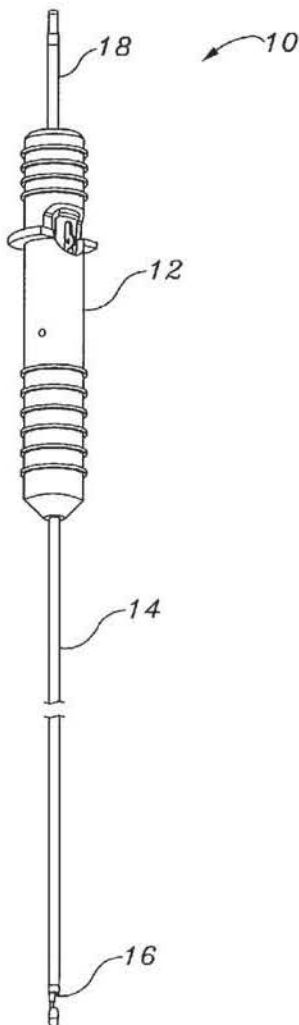


Fig. 1

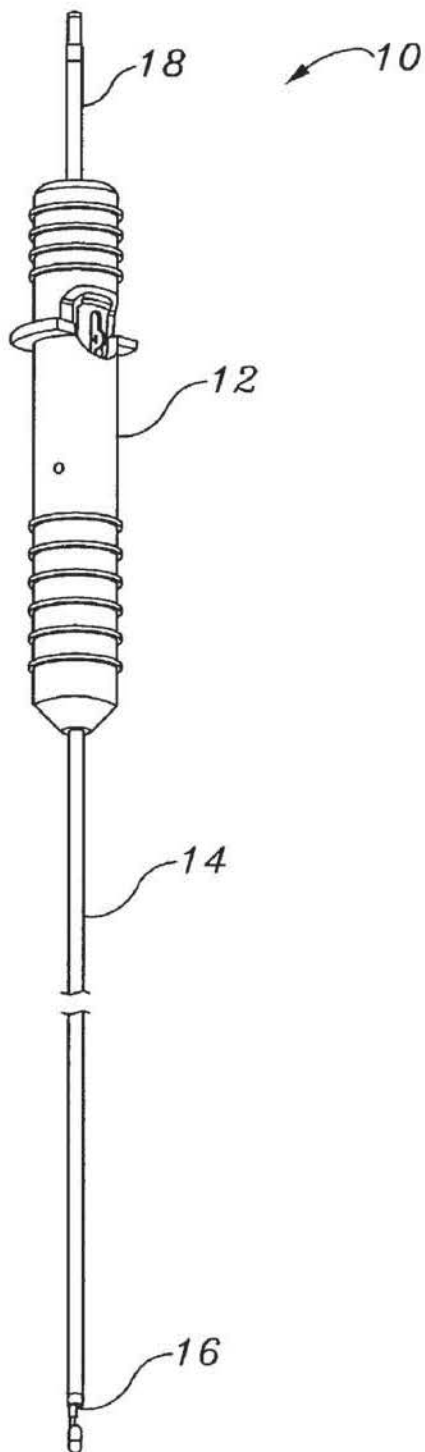


Fig. 2

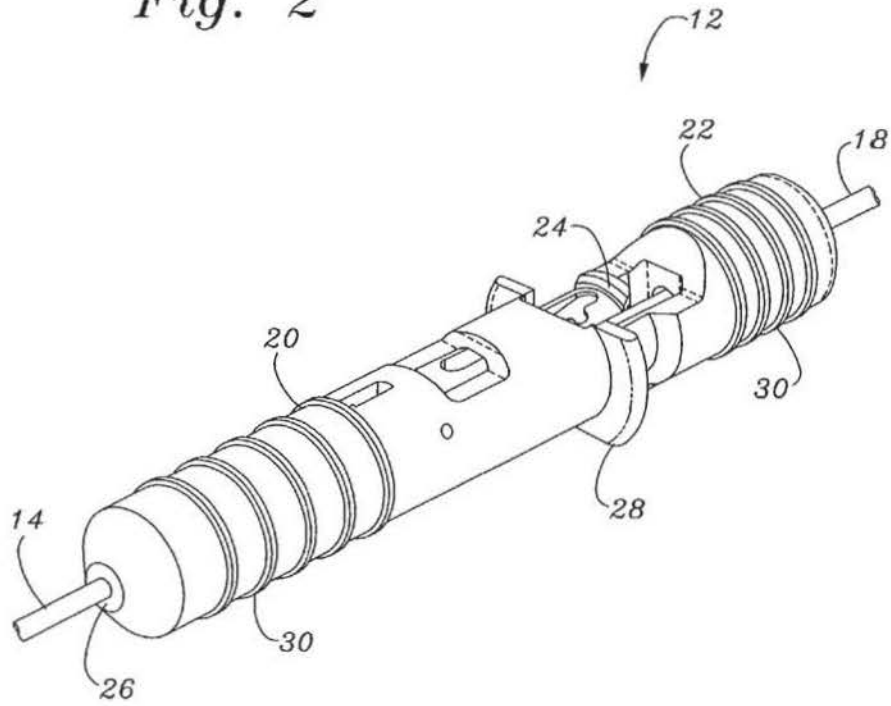


Fig. 3

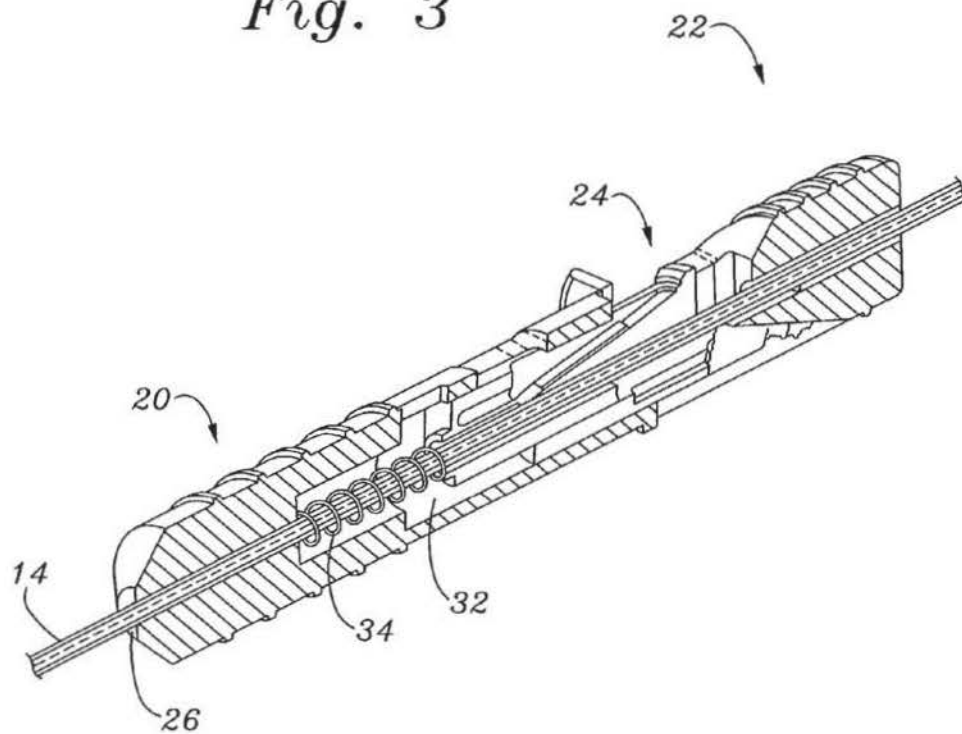


Fig. 4A

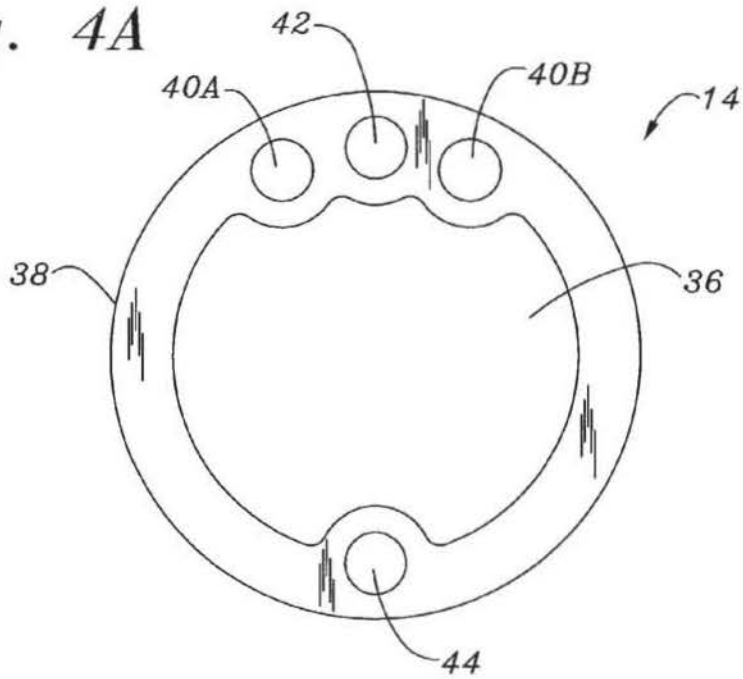
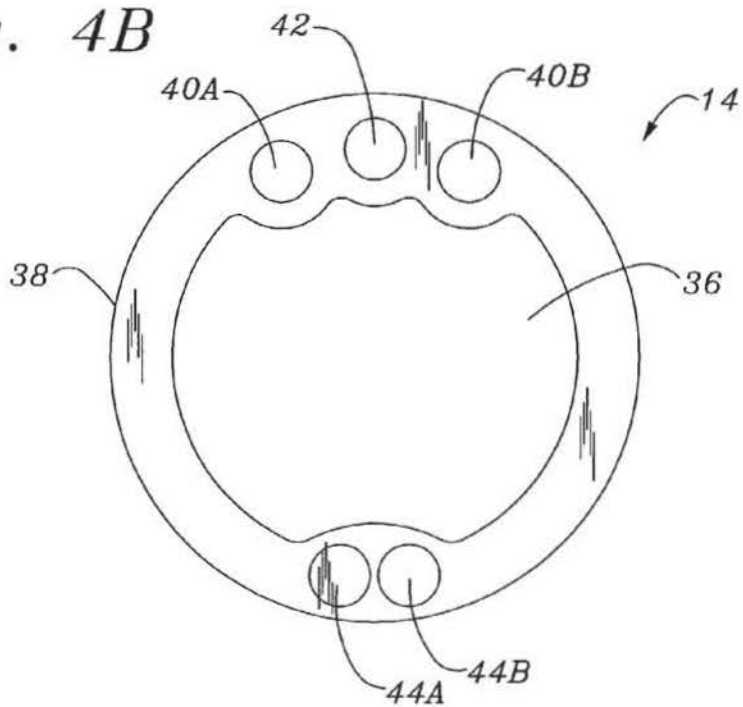


Fig. 4B



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