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**Shaolian et al.**

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(54) **TRANSLUMINALLY IMPLANTABLE  
VENOUS VALVE**

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(\*) 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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(21) Appl. No.: **09/378,386**

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(58) **Field of Search** ..... 623/1.24, 1.26,  
623/2.1, 2.12, 2.14, 2.13, 1.25

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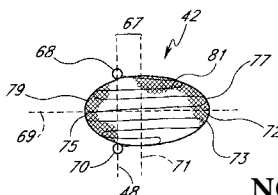
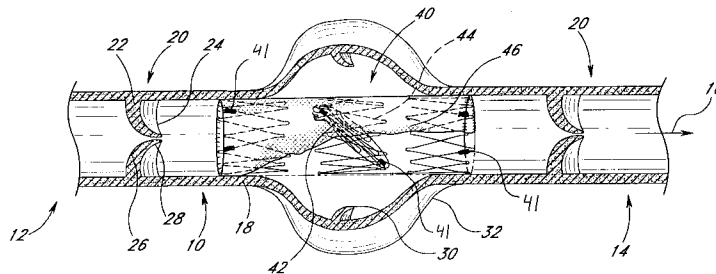
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**18 Claims, 4 Drawing Sheets**

(57) **ABSTRACT**

Disclosed is a self-expandable prosthetic venous valve, such as for implantation in the deep veins of the leg. The valve is mounted in a support structure, such as a self-expandable tubular wire cage. Deployment catheters and methods are also disclosed.



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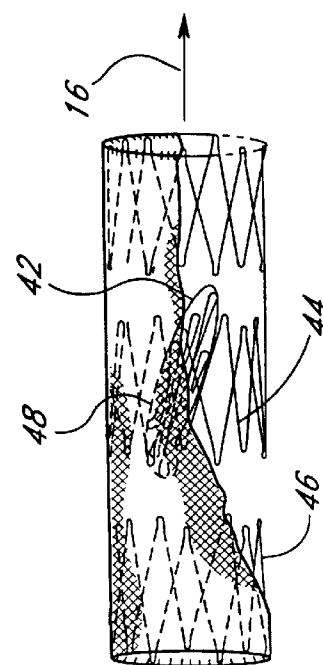


FIG. 3

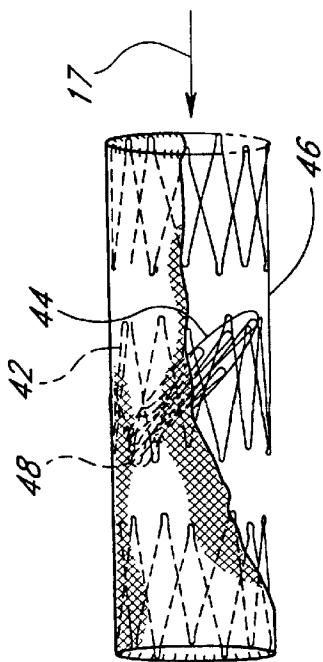


FIG. 2

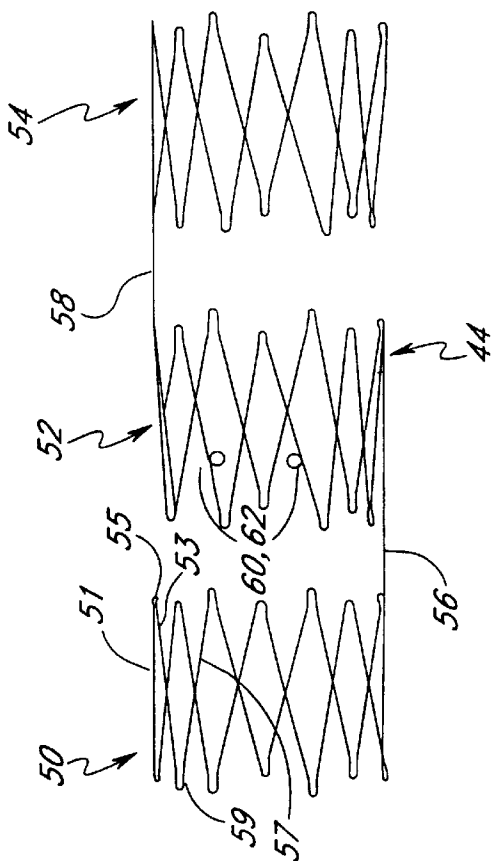


FIG. 4

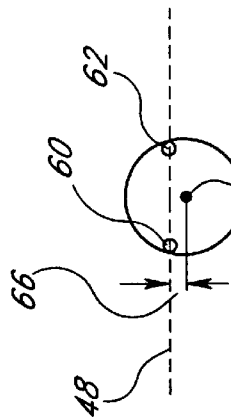


FIG. 4A

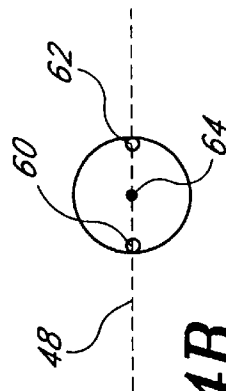


FIG. 4B

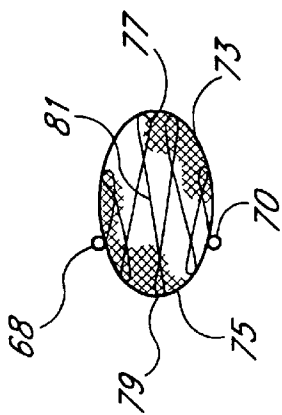


FIG. 5A

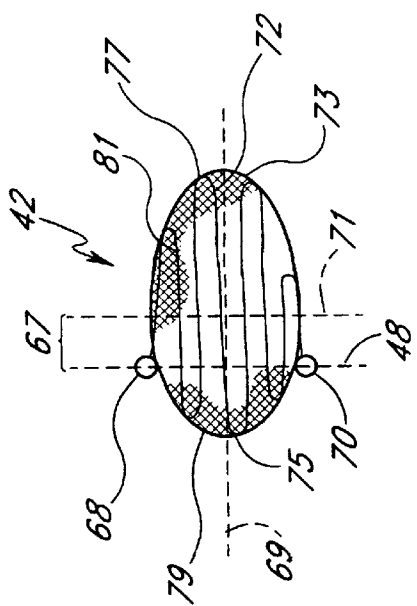


FIG. 5

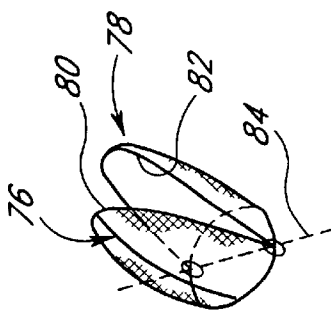


FIG. 6

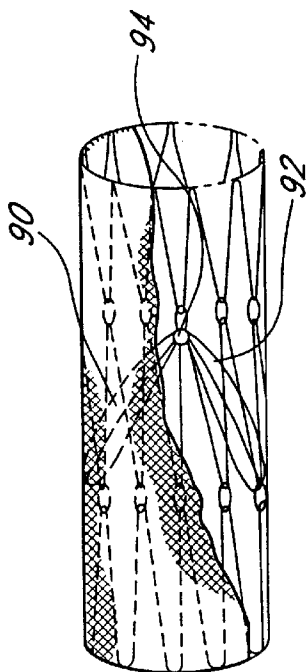


FIG. 8

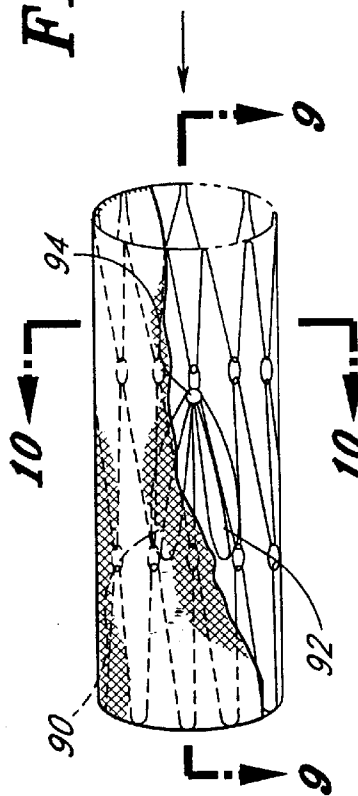


FIG. 7

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