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#### (54) IMPLANTABLE VASCULAR DEVICE

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#### **Related U.S. Application Data**

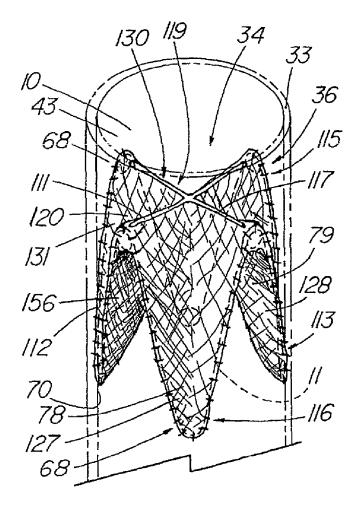
Non-provisional of provisional application No. (63) 60/180,002, filed on Feb. 3, 2000.

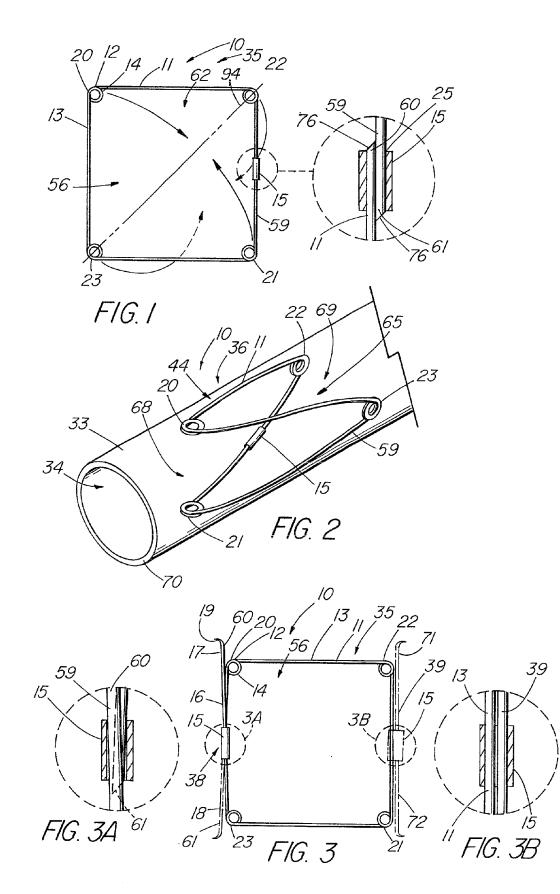
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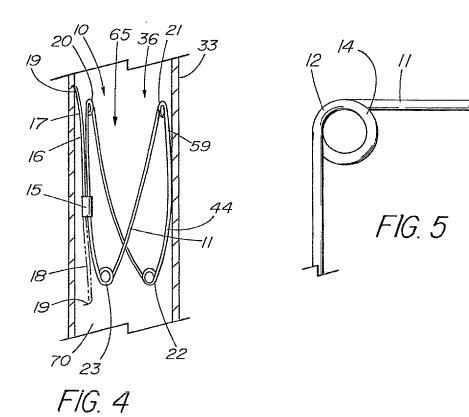
- (51) Int. Cl.<sup>7</sup> ..... A61F 2/06; A61F 2/24 (52)
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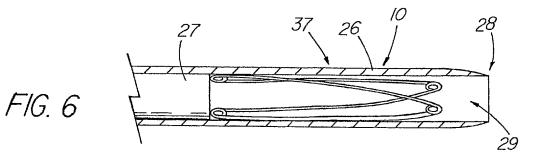
#### (57) ABSTRACT

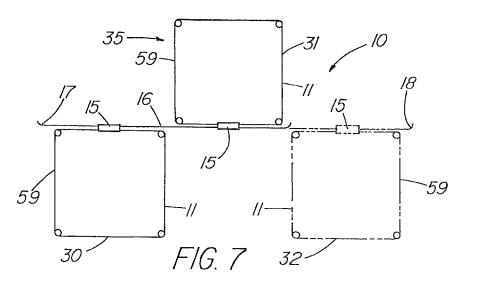
A multiple-sided medical device comprises a frame comprising wire or other resilient material and having a series of bends and interconnecting sides. The device has both a flat configuration and a second, folded configuration which a generally serpentine shape. The device is pushed from a delivery catheter into the lumen of a duct or vessel and may include one or more barbs for anchoring purposes. A full or partial covering of fabric or other flexible material such as DACRON, PTFE, or a collagen-based material such as small intestinal submucosa (SIS), may be sutured or attached to the frame to form an occlusion device, a stent graft, or an implantable, intraluminal valve such as for correcting incompetent veins in the lower legs and feet.



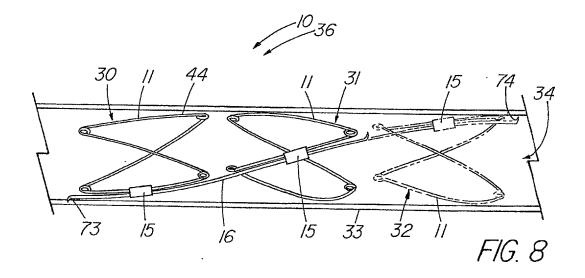


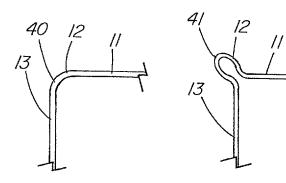


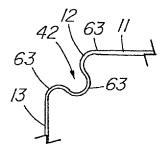




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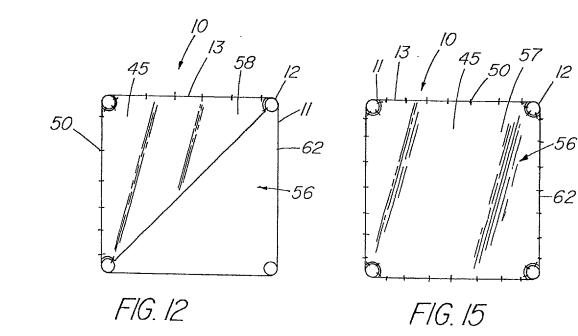




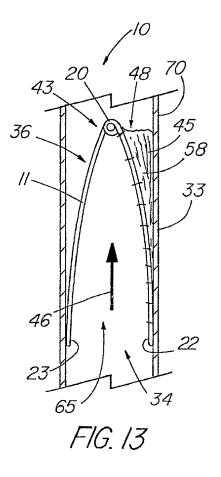
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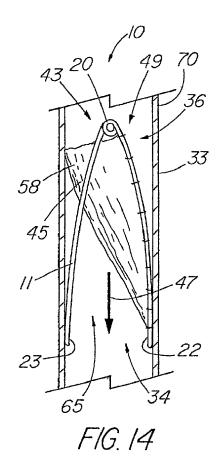
FIG. 10

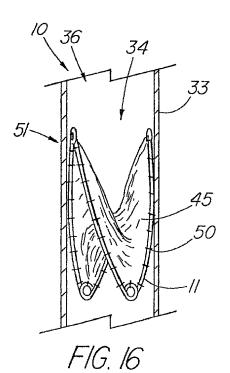
FIG. ||



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