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(54) **IMPLANTABLE VASCULAR DEVICE**

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Publication Classification

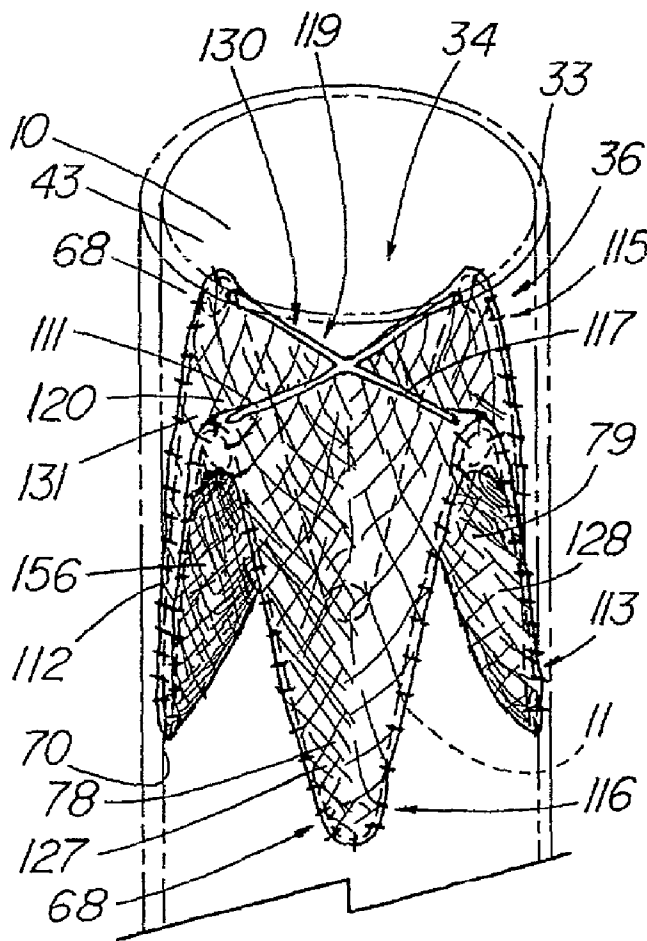(51) Int. Cl.^{7} **A61F 2/06**; A61F 2/24
(52) U.S. Cl. **623/1.24**; 623/2.14; 623/2.15; 623/1.36

(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.
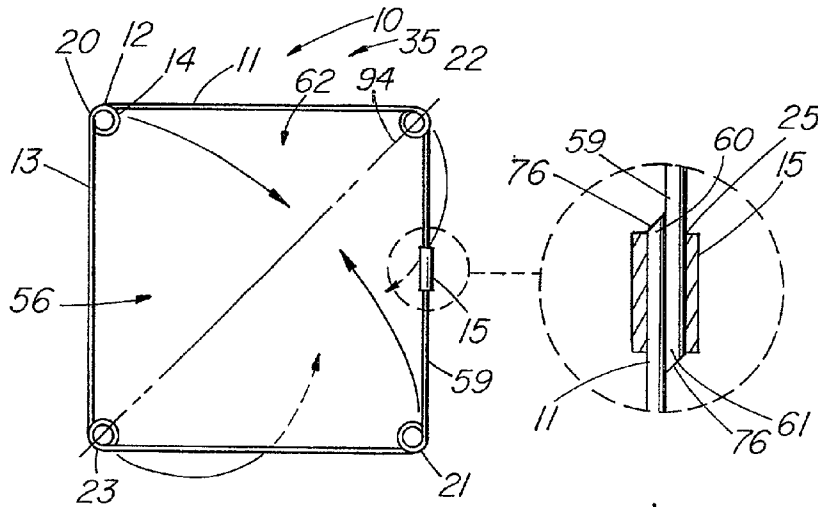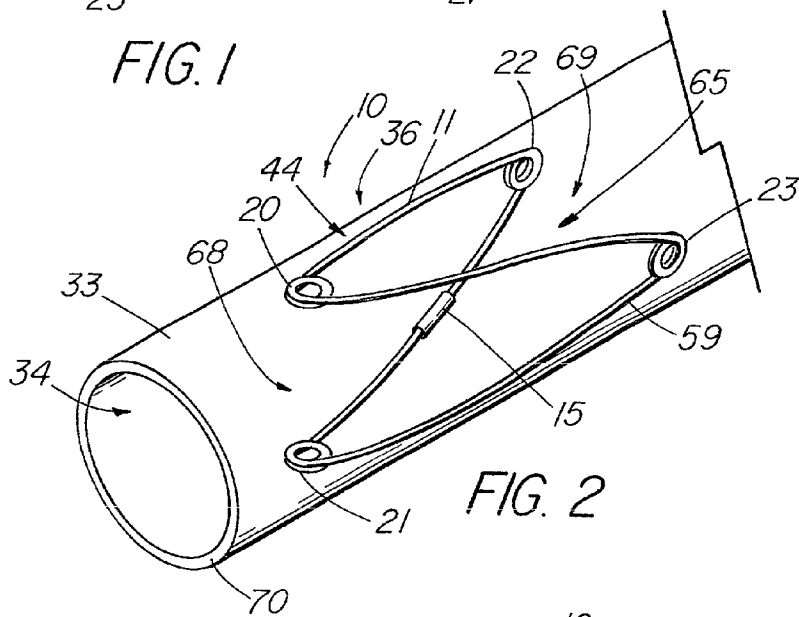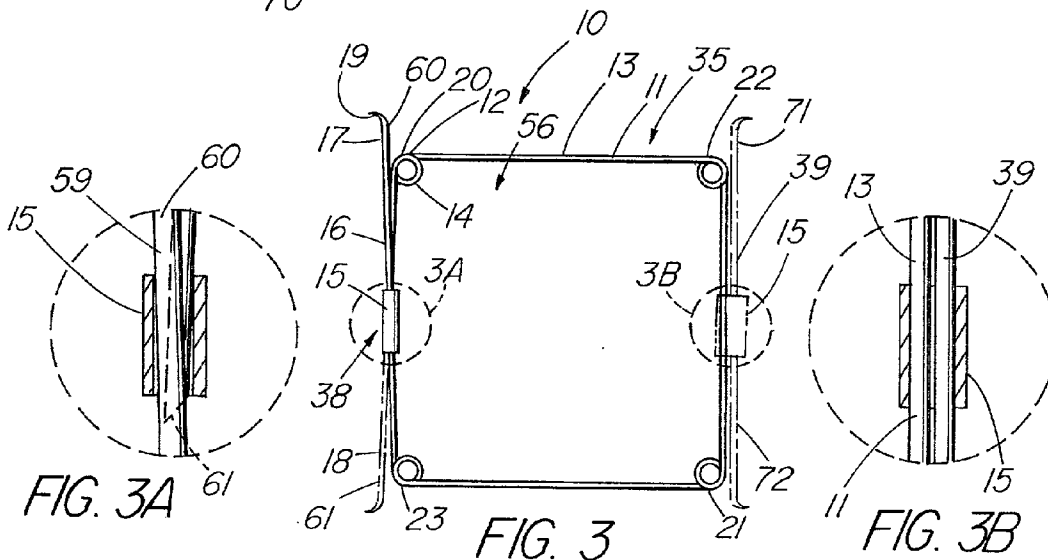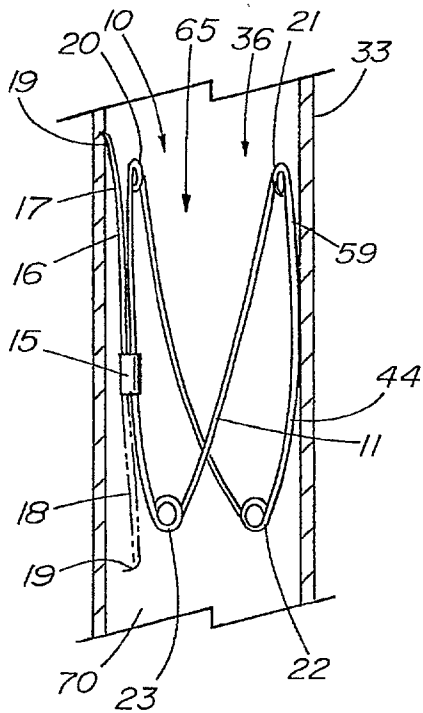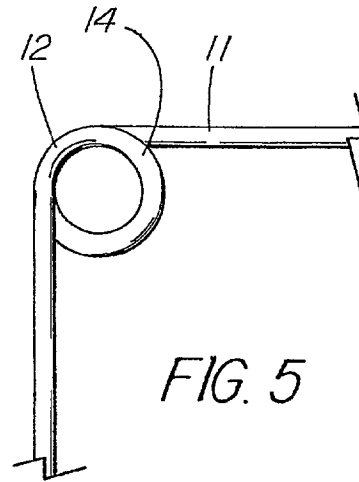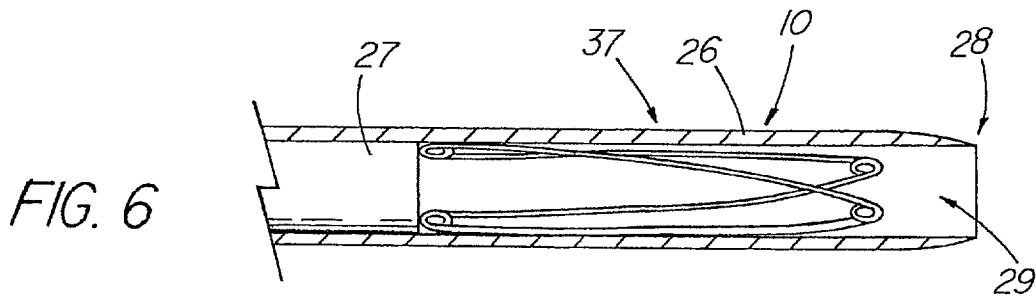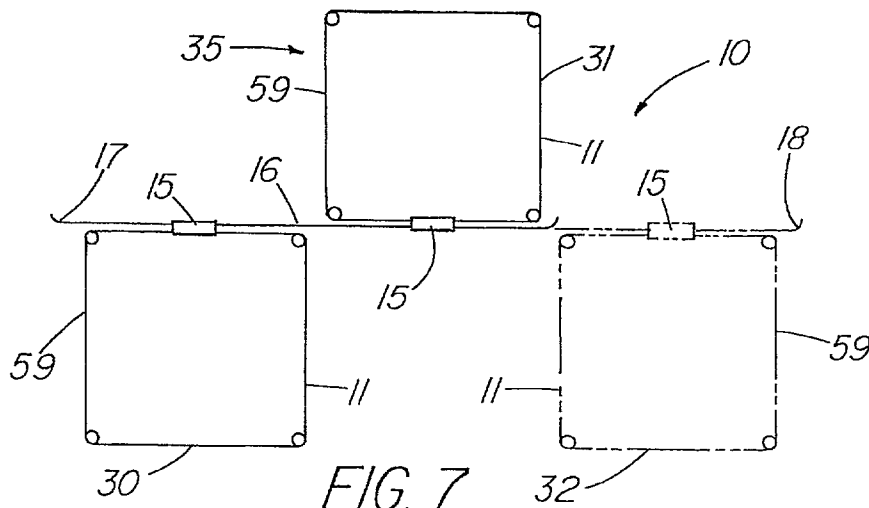
FIG.1

FIG. 2

FIG. 3A

FIG. 3

FIG. 3B

FIG. 4

FIG. 5

FIG. 6

FIG. 7

FIG. 8
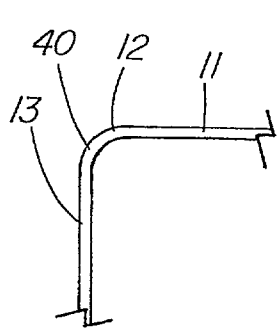
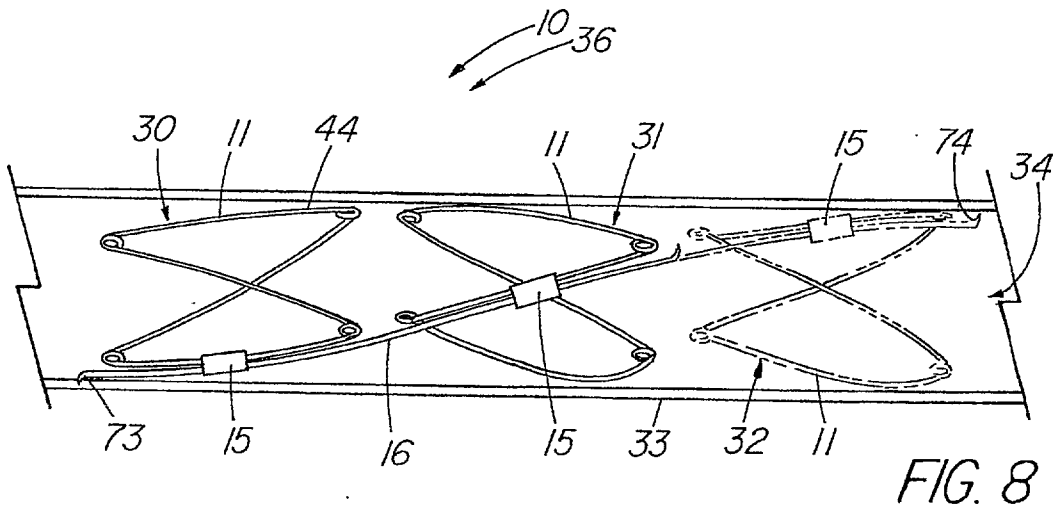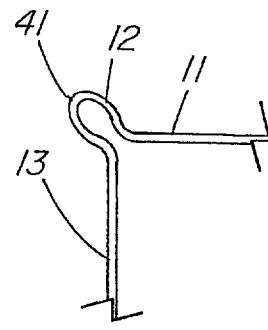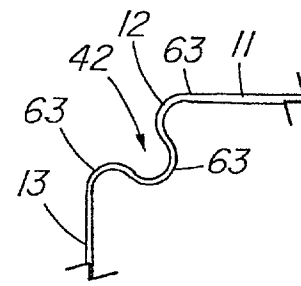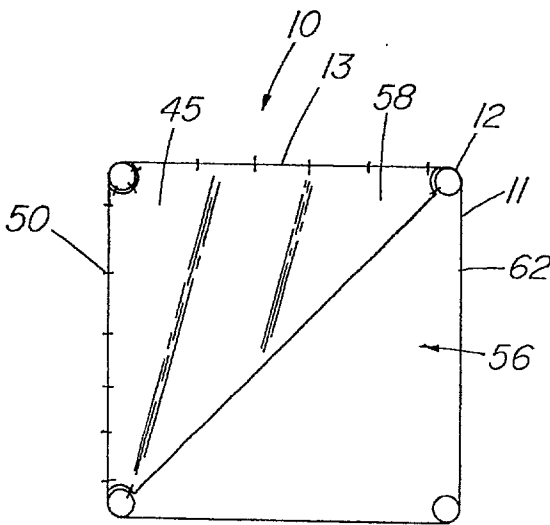FIG. 9

FIG. 10

FIG. 11

FIG. 12
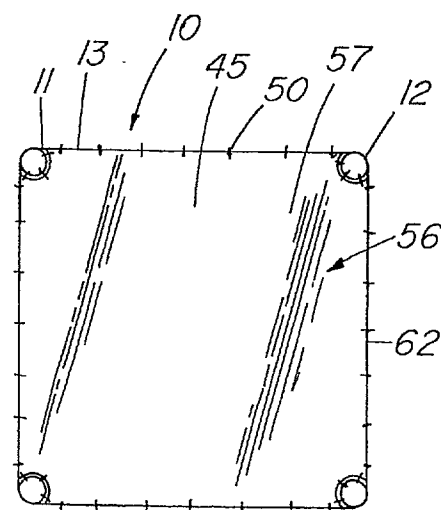
FIG. 15

FIG. 13

FIG. 14

FIG. 16

DOCKET ALARM
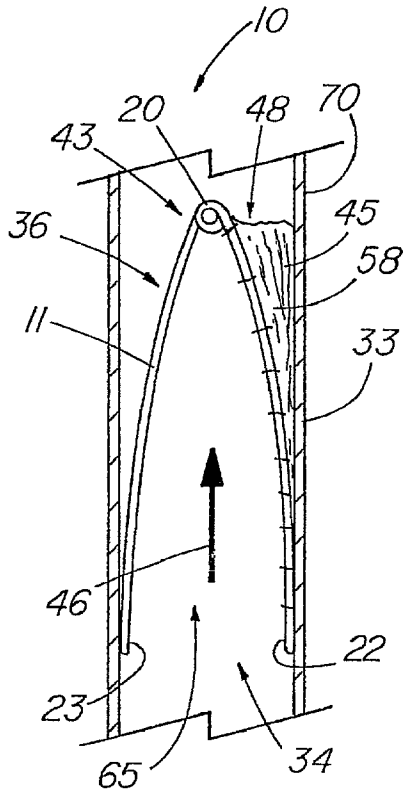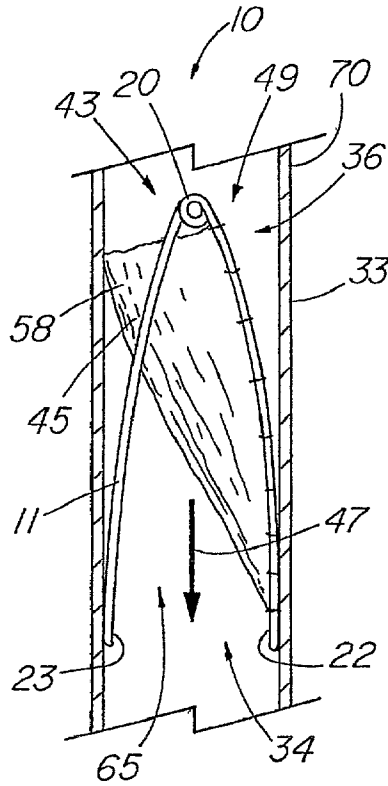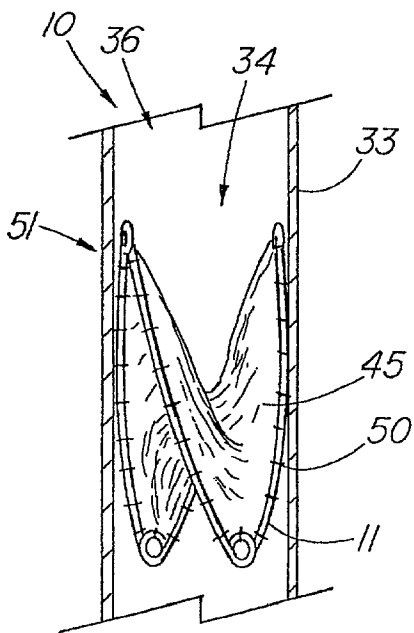
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