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Jervis

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(54) **MEDICAL DEVICES INCORPORATING SIM ALLOY ELEMENTS**

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Related U.S. Application Data

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(51) **Int. Cl.⁷** **A61B 17/56**

(52) **U.S. Cl.** **606/78**

(58) **Field of Search** 606/78, 60, 108, 606/62, 68, 200, 195, 198; 623/1

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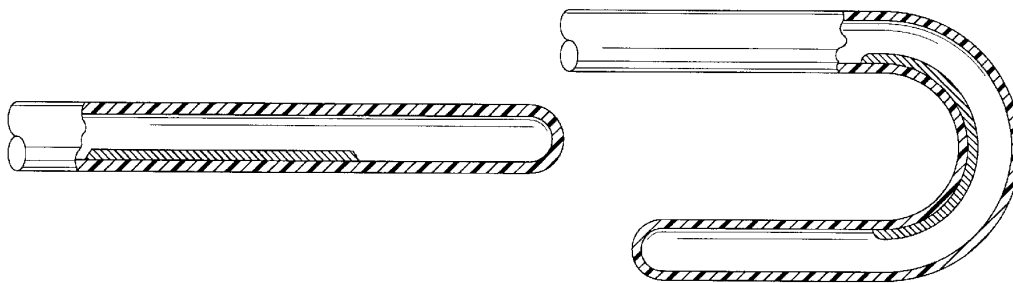
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(57) **ABSTRACT**

Medical devices which are currently proposed to use elements made from shape memory alloys may be improved by the use of stress-induced martensite alloy elements instead. The use of stress-induced martensite decreases the temperature sensitivity of the devices, thereby making them easier to install and/or remove.

22 Claims, 4 Drawing Sheets



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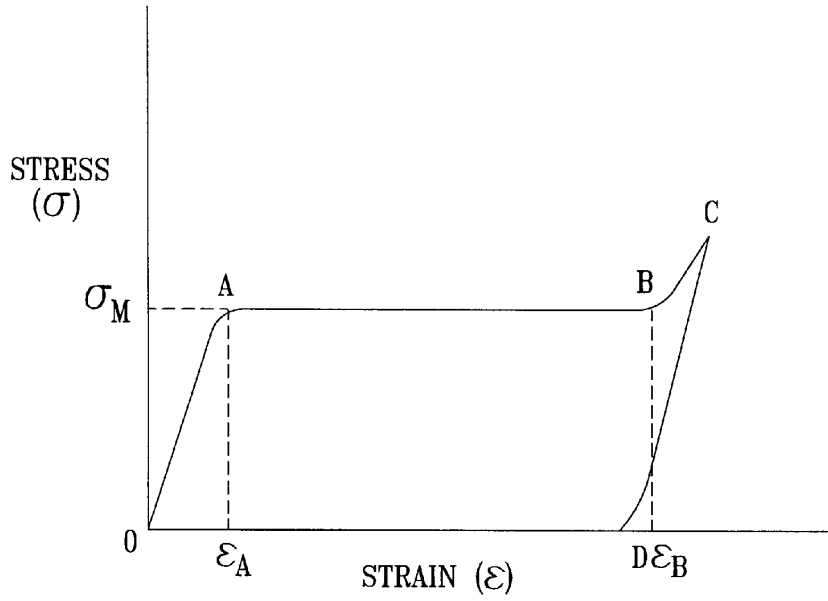


FIG. 1

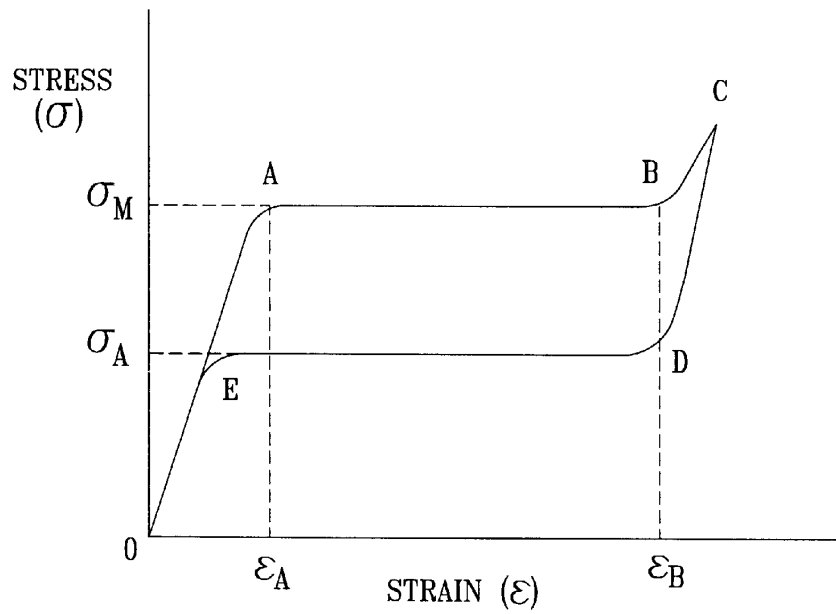


FIG. 2

FIG. 3

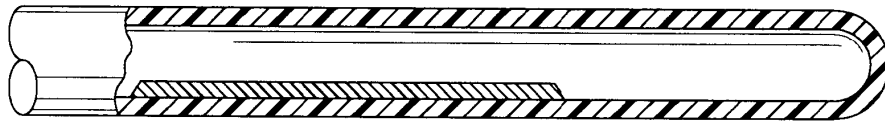
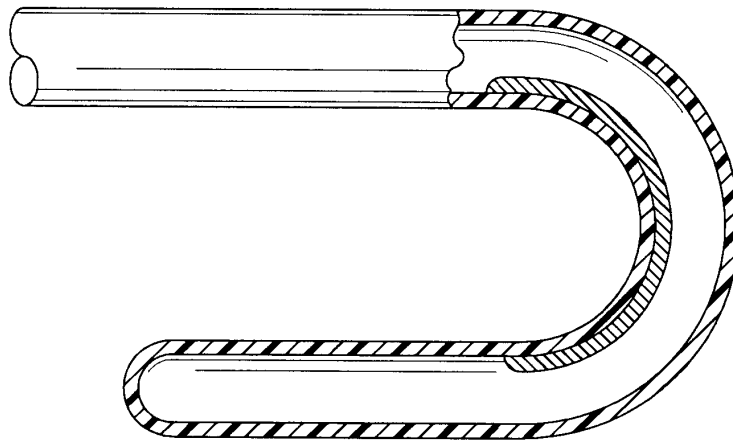


FIG. 4



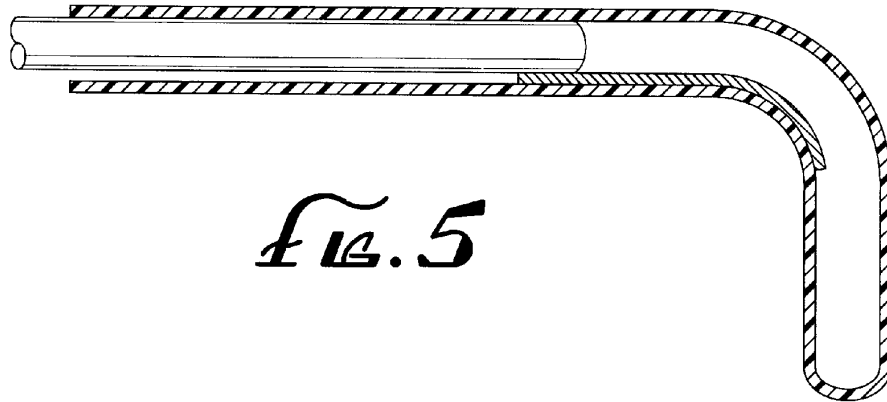


Fig. 5

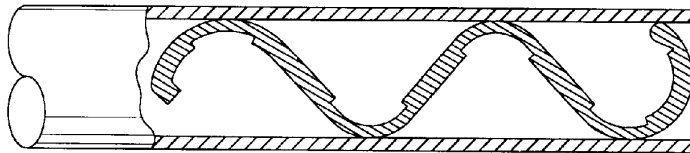


Fig. 6

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