United States Patent [19]

MacGregor

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[54] **NON-WOVEN ENDOPROSTHESIS**

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[51] **Int. Cl.**[5] **A61F 2/06**

[52] **U.S. Cl.** **623/1**; 623/13

[58] **Field of Search** 623/1, 13; 267/166, 267/167; 128/343, 345; 606/191, 194, 195

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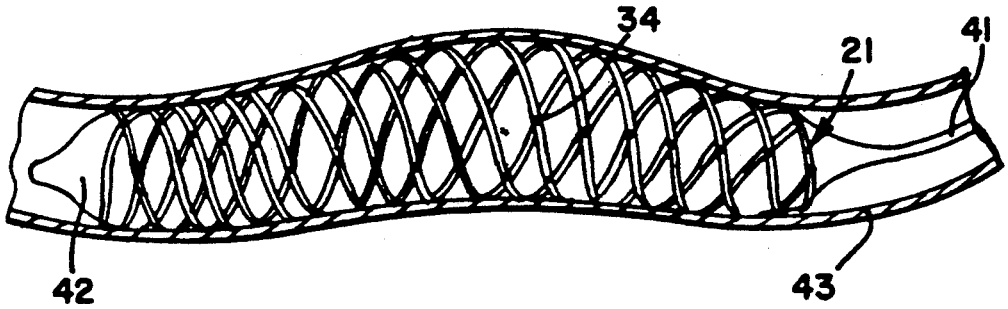
[57] **ABSTRACT**

A generally tubular endoprosthesis or stent that includes a non-woven structure formed by two or more generally helically shaped cylinders of stiff strand material is provided. The strand material forming the non-woven structure is preferably secured together at attachment sites thereby allowing the stent to be flexible and adjustable to meet various application needs. Typically, these attachment sites will be somewhat frangible. The method used to make the endoprosthesis allows the architecture of the non-woven structure of the endoprosthesis to be varied according to the application for which the device is intended.

12 Claims, 1 Drawing Sheet