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[54] DRUG DELIVERY COLLAGEN-IMPREGNATED SYNTHETIC VASCULAR GRAFT

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Related U.S. Application Data

[63] Continuation of Ser. No. 680,029, Mar. 28, 1991, abandoned, which is a continuation of Ser. No. 455,866, Dec. 21, 1989, abandoned, which is a continuation of Ser. No. 51,188, May 14, 1987, abandoned, which is a continuation of Ser. No. 575,091, Jan. 30, 1984, abandoned.

[51] **Int. Cl.**[5] **B61F 2/06**

[52] **U.S. Cl.** **623/1**; 623/66; 427/2

[58] **Field of Search** 623/1, 2, 11, 12, 66; 128/DIG. 8; 427/2

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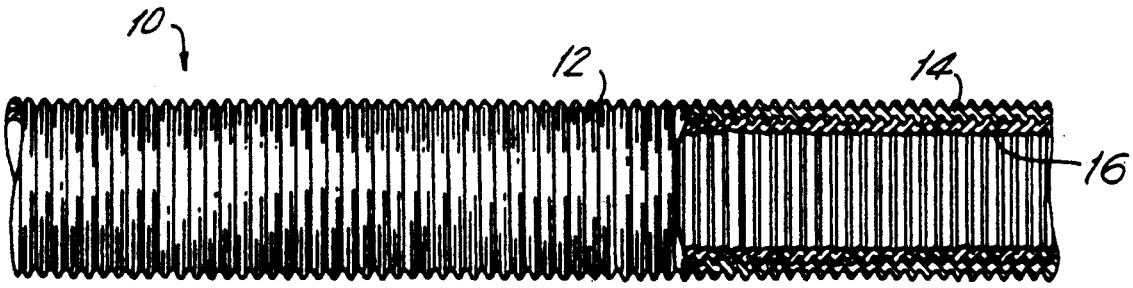
[57] **ABSTRACT**

A collagen impregnated vascular graft including drug materials complexed with the collagen to be released slowly from the graft following implant. The graft is a porous synthetic vascular graft substrate having collagen fixed to the graft substrate and cross-linking the collagen in situ to render the porous substrate blood-tight. The drug materials complexed with the collagen fibrils may include antithrombic agents, antibacterial, antimicrobial agents, antifungal agents and the like.

16 Claims, 2 Drawing Sheets