

[54] VASCULAR PROSTHESES COMPOSED OF POLYTETRAFLUOROETHYLENE AND PROCESS FOR THEIR PRODUCTION

[58] Field of Search 3/1.4, 1; 128/DIG. 14; 264/288.8, 289.3, 290.2; 428/376

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[56] References Cited

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U.S. PATENT DOCUMENTS

[*] Notice: The portion of the term of this patent subsequent to Apr. 4, 1995, has been disclaimed.

3,094,762	6/1963	Jeckel	3/1.4 X
3,473,087	10/1969	Slade	252/511 X
3,953,566	4/1976	Gore	264/288
4,061,134	12/1977	Samuels et al.	3/1.4 X
4,082,893	4/1978	Okita	428/376

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FOREIGN PATENT DOCUMENTS

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2508570 10/1975 Fed. Rep. of Germany 3/1.4

Related U.S. Application Data

[63] Continuation-in-part of Ser. No. 760,789, Jan. 19, 1977, abandoned.

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[57] ABSTRACT

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[52] U.S. Cl. 3/1.4; 3/1; 128/DIG. 14; 264/288.8; 264/289.3; 264/290.2; 428/376

A vascular prosthesis comprising a tubing of porous polytetrafluoroethylene, the polytetrafluoroethylene tubing having a fibrous structure of nodes and fibers connecting the nodes together and having a structure in which the fibrous structure at the inside surface of the tubing is finer than the fibrous structure at the outside surface of the tubing.

19 Claims, 5 Drawing Figures

