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# United States Patent [19]

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**Barrows**

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[54] **BIOABSORBABLE TRIGLYCOLIC ACID  
POLY(ESTER-AMIDE)S**

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**Related U.S. Application Data**

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[51] **Int. Cl.**<sup>7</sup> ..... **A61L 17/00**; C08G 69/44

[52] **U.S. Cl.** ..... **424/426**; 528/291

[58] **Field of Search** ..... 528/291; 424/426

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**ABSTRACT**

[57] This invention relates to fiber-forming bioabsorbable poly (ester-amide)s made by the polymerization of diamidediols with 3,6-dioxaoctanedioic acid, also known as "triglycolic acid". More specifically it relates to diol terminated poly (ester-amide)s of triglycolic acid that are optionally further reacted with glycolide, lactide, trimethylene carbonate, epsilon-caprolactone, or p-dioxanone, or mixtures of said cyclic monomers to produce the corresponding block copolymers. Said polymers are useful in the production of surgical sutures having superior performance characteristics including low bending stiffness and in the production of other fiber-based bioabsorbable implants and molded devices.

**13 Claims, No Drawings**