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(12) **United States Patent**  
**Barrows**

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(54) **DEVICE OF BIOABSORBABLE TRIGLYCOLIC ACID POLY(ESTER-AMIDE)S, AND METHODS OF MAKING THE SAME**

6,120,788 A \* 9/2000 Barrow ..... 424/426

**FOREIGN PATENT DOCUMENTS**

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*Primary Examiner*—Thurman K. Page  
*Assistant Examiner*—Blessing Fubara  
(74) *Attorney, Agent, or Firm*—Michael Best & Friedrich LLP; Grady J. Frenchick; Karen B. King

(57) **ABSTRACT**

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.

**16 Claims, No Drawings**

(75) **Inventor:** **Thomas Harry Barrows**, Pepperell, MA (US)

(73) **Assignee:** **BioAmide, Inc.**, Hastings, MN

(\*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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**Related U.S. Application Data**

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(51) **Int. Cl.**<sup>7</sup> ..... **A61F 2/02**; A61F 2/28; D02G 3/00

(52) **U.S. Cl.** ..... **424/423**; 424/426; 428/398

(58) **Field of Search** ..... 525/926, 178; 528/288, 363, 291; 424/423, 426; 428/398

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