

[54] **NORMALLY-SOLID, BIOABSORBABLE, HYDROLYZABLE, POLYMERIC REACTION PRODUCT**

[75] Inventors: **Donald James Casey, Ridgefield; Martin Epstein, Norwalk, both of Conn.**

[73] Assignee: **American Cyanamid Company, Stamford, Conn.**

[21] Appl. No.: **793,988**

[22] Filed: **May 5, 1977**

Related U.S. Application Data

[62] Division of Ser. No. 691,749, Jun. 1, 1976, Pat. No. 4,048,256.

[51] Int. Cl.² **A61L 17/00; C08G 63/12; C08G 63/52**

[52] U.S. Cl. **128/335.5; 260/75 R; 260/75 UA; 260/78.3 R; 260/860; 424/78**

[58] Field of Search **260/860, 75 R, 75 UA, 260/78.3 R; 128/335.5; 424/78**

[56] **References Cited**

U.S. PATENT DOCUMENTS

2,668,162	2/1954	Lowe	260/78.3 R
2,676,945	4/1954	Higgins	260/78.3 R X
3,297,033	1/1967	Schmitt et al.	128/335.5
3,468,853	9/1969	Schmitt et al.	260/78.3 R
3,674,901	7/1972	Shepherd et al.	128/335.5 X
3,867,190	2/1975	Schmitt et al.	128/335.5 X
3,960,152	6/1976	August et al.	128/335.5

OTHER PUBLICATIONS

Korshak et al., in Academy of Sciences, USSR, Bulletin: Div. Chem. Sci. 1957, 889-893.

Primary Examiner—Thomas De Benedictis
Attorney, Agent, or Firm—James T. Dunn; Charles F. Costello, Jr.

[57] **ABSTRACT**

A normally-solid, bioabsorbable, hydrolyzable, polymeric reaction product of (A) a polyglycolic acid composition and (B) a polyester of diglycolic acid and an unhindered glycol and to the process of preparing the same and the use of said polymeric reaction product as a sterile surgical element and as a device for the controlled continuous administration of a predetermined dosage of a drug to a living animal.

2 Claims, No Drawings