

United States Patent [19]

Casey et al.

[11] Patent Number: 4,716,203

[45] Date of Patent: Dec. 29, 1987

[54] **DIBLOCK AND TRIBLOCK COPOLYMERS**

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[21] Appl. No.: **903,797**

[22] Filed: **Sep. 5, 1986**

[51] Int. Cl.⁴ **C08L 71/02; C08G 63/06**

[52] U.S. Cl. **525/408; 128/1 R; 128/335.5; 524/916; 528/361; 528/370; 525/450**

[58] Field of Search **525/408, 450; 528/361, 528/370; 524/916; 128/1 R, 335.5**

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[57] **ABSTRACT**

A diblock copolymer is disclosed having a first block of a polyalkylene oxide and a second block of glycolic acid ester and trimethylene carbonate linkages. A triblock copolymer is disclosed having a middle block obtained from an ethylene oxide homopolymer or a copolymer of ethylene oxide and a cyclic ether. Alternatively, the triblock copolymer middle block is obtained from a copolymer of formula (I):



and formula (II):



The copolymers are useful in medical and surgical applications.

16 Claims, No Drawings