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[54] **POLY(PROPYLENE FUMARATE-CO-ETHYLENE OXIDE)**

[76] Inventors: **Laura J. Suggs**; **Richard G. Payne**, both of Rice University, 6100 Main St,, Houston, Tex. 77005; **Michael J. Yaszemski**, Lackland A.F.B., 59th Medical Wing/PSSB, 2200 Bergquist Dr., Ste. #1, San Antonio, Tex. 78236; **Antonios G. Mikos**, Rice University, 6100 Main St., Houston, Tex. 77005

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[58] **Field of Search** 525/437, 444; 524/717; 424/421, 422; 623/11

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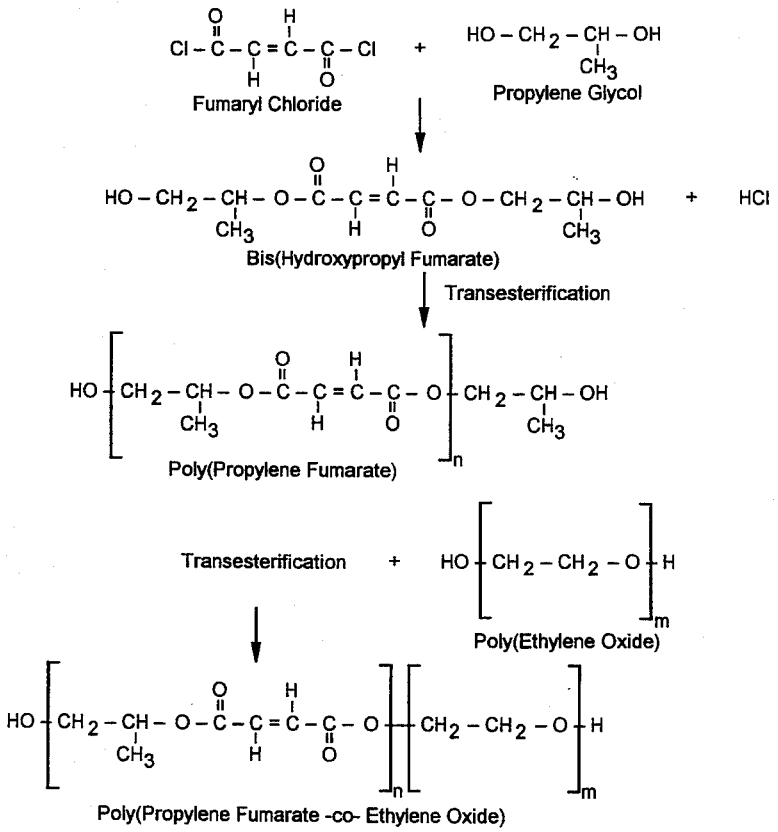
Primary Examiner—Samuel A. Acquah
Attorney, Agent, or Firm—Pravel, Hewitt, Kimball & Krieger

[57] **ABSTRACT**

A biodegradable block copolymer made from the transesterification of a poly(propylene fumarate) prepolymer and a poly(ethylene oxide) prepolymer. The block copolymer poly(propylene fumarate -co- ethylene oxide) is capable of crosslinking at body temperature. Crosslinking requires an appropriate crosslinking monomer and an initiator. The biodegradable block copolymer has utility as a vascular implant because it can be injected as a fluid into the vascular system and crosslinked in situ.

7 Claims, 2 Drawing Sheets