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[54] **BIODEGRADABLE POLYMER COMPOSITION**

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[52] **U.S. Cl.** **424/423**; 424/424; 424/425; 424/426; 424/422; 424/428; 424/486

[58] **Field of Search** 424/423, 4, 426, 424/422, 425, 486, 428

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[57] **ABSTRACT**

The invention is directed to a composition composed of a thermoplastic or thermosetting polymer which is capable of forming a biodegradable and/or bioerodible microporous, solid or gelatinous polymer matrix. The matrix is useful as an implant in animals for enhancing regeneration of cells and tissue, such as bone and nerve cells, or for delivery of biologically-active substances to tissue or organs. The composition is administered to an implant site as a liquid. The invention also includes a method of preventing and treating disorders and diseases, such as bone or nerve growth disorders, or of altering body functions such as birth control, using the compositions and implants of the invention.

26 Claims, No Drawings