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**Eaton et al.**

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(54) **SINUS DELIVERY OF SUSTAINED RELEASE THERAPEUTICS**

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

This patent is subject to a terminal disclaimer.

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**Related U.S. Application Data**

(63) Continuation of application No. 10/800,162, filed on Mar. 12, 2004, now Pat. No. 7,544,192.

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(57)

**ABSTRACT**

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**A61M 31/00** (2006.01)

(52) **U.S. Cl.** ..... **604/506; 604/510; 604/514**

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See application file for complete search history.

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The invention provides biodegradable implants for treating sinusitis. The biodegradable implants have a size, shape, density, viscosity, and/or mucoadhesiveness that prevents them from being substantially cleared by the mucociliary lining of the sinuses during the intended treatment period. The biodegradable implants include a sustained release therapeutic, e.g., an antibiotic, a steroidal anti-inflammatory agent, or both. The biodegradable implants may take various forms, such as rods, pellets, beads, strips, or microparticles, and may be delivered into a sinus in various pharmaceutically acceptable carriers.

**41 Claims, 2 Drawing Sheets**

