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[54] **INJECTABLE CERAMIC COMPOSITIONS AND METHODS FOR THEIR PREPARATION AND USE**

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[75] Inventors: **Donald G. Wallace**, Menlo Park; **Hugh McMullin**, Pacifica; **George Chu**, Cupertino, all of Calif.

[73] Assignee: **Collagen Corporation**, Palo Alto, Calif.

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Primary Examiner—Paul R. Michl

Assistant Examiner—LaVonda DeWitt

Attorney, Agent, or Firm—Townsend and Townsend

Related U.S. Application Data

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[52] U.S. Cl. **523/115; 424/484; 424/423; 523/113**

[58] Field of Search **523/115, 113; 424/484, 424/423**

[57] ABSTRACT

Injectable implant compositions comprise a biocompatible ceramic matrix present in a fluid carrier, where the ceramic matrix comprises particles having a size distribution in the range from 50 μm to 250 μm. Optionally, the compositions may further comprise collagen, where the relative amounts of collagen and ceramic matrix at least partly determine the physical properties of implants formed by injecting the compositions. The fluid carrier is an aqueous buffered medium, typically including an organic polymer base material when there is no collagen present in the composition. The compositions are particularly suitable for repair and augmentation of soft and hard tissues by injection.

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16 Claims, 1 Drawing Sheet

