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[54] **COLLAGEN MATRIX BEADS FOR SOFT TISSUE REPAIR**

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Related U.S. Application Data

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[52] **U.S. Cl.** **530/356;** 523/105; 524/21; 128/156; 128/DIG. 8

[58] **Field of Search** 530/356; 128/DIG. 8, 128/156; 524/17, 21; 527/201; 523/105

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[57] **ABSTRACT**

Collagen-based compositions for augmenting soft tissue, wound dressings, implants, injectable formulations or other drug delivery systems, comprising resorbable collagen matrix beads, the beads having an average pore size of from 50 to 350 microns, and the collagen comprising from 1 to 30% by volume of the beads, the collagen matrix being sufficiently open to stimulate cellular ingrowth therethrough and yet sufficiently stiff and non-compressible to fill and protect a wound, and the formulation being sufficiently moisture and gas permeable to prevent liquid pooling on a wound and to permit sufficient oxygen diffusion for promoting wound healing.

15 Claims, No Drawings