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Dillon

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[54] **COMPOSITE MACROSTRUCTURE OF CERAMIC AND ORGANIC BIOMATERIALS**

[75] Inventor: **Mark E. Dillon,** Watertown, Mass.

[73] Assignee: **Bio Med Sciences, Inc.,** Amherst, N.Y.

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[52] **U.S. Cl.** **428/330;** 428/422; 623/11; 623/13; 623/16; 623/18; 623/23

[58] **Field of Search** ..... 428/422, 330; 623/11, 623/13, 16, 16 D, 18, 23

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Primary Examiner—Marion E. McCamish
Assistant Examiner—M. A. Katz
Attorney, Agent, or Firm—Paul & Paul

[57] **ABSTRACT**

A composite self-supporting flexible agglomerated macrostructure is described which comprises (1) a matrix of unfibrillated polytetrafluoroethylene resin and addition curable silicone and (2) particulate material including hydroxyapatite and/or tricalcium phosphate uniformly distributed throughout said matrix, the macrostructure being uniformly permeated by a network of open pores formed in the process of manufacture by intimately blending particulate sodium chloride and subsequently leaching the sodium chloride particles.

6 Claims, No Drawings