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[54] **CALCIUM-MODIFIED OXIDIZED CELLULOSE HEMOSTAT**

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Related U.S. Application Data

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[52] **U.S. Cl.** **536/57**; 536/76; 536/127; 525/54.2; 424/443; 424/444; 424/446; 424/447; 602/900; 604/292; 604/213

[58] **Field of Search** 536/57, 76, 127; 525/54.2; 424/443, 444, 446, 447; 604/292; 606/213; 602/900

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[57] **ABSTRACT**

A calcium-modified oxidized cellulose hemostat provides faster hemostasis than does either unmodified or sodium- or potassium-modified oxidized cellulose. The percentage by weight of calcium in the modified oxidized cellulose must be in a range between about 0.5 and about 4, in order to enhance hemostasis, while not interfering excessively with bioabsorbability. In a second embodiment, an oxidized cellulose hemostat is modified with both calcium and either sodium or potassium. The second embodiment may be used to deliver acid-sensitive materials.

17 Claims, No Drawings