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[54] **BIODEGRADABLE PARTICLE COATINGS HAVING A PROTEIN COVALENTLY IMMOBILIZED BY MEANS OF A CROSSLINKING AGENT AND PROCESSES FOR MAKING SAME**

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[58] **Field of Search** 435/5; 436/524, 526, 436/531, 532; 428/403, 407; 524/22; 427/127-132, 213.35, 216, 217

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[57] **ABSTRACT**

The invention relates generally to colloidal particles having a crosslinked coating with pendent functional groups attached thereto. Magnetic and non-magnetic particles have a biodegradable, crosslinked gelatin coating to which is covalently attached pendent biological substances or molecules, especially monoclonal antibodies. The monoclonal antibodies so attached are useful in a variety of positive and negative biological assays.

48 Claims, No Drawings