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Hou et al.

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[54] **MODIFIED POLYPEPTIDE SUPPORTS**

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Related U.S. Application Data

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[52] **U.S. Cl.** ..... **525/54.1**; 210/656; 530/417; 8/128 A

[58] **Field of Search** ..... 525/54.1, 54.11; 526/238.1; 527/101, 102; 524/35, 492; 8/128 R, 128 A; 210/656, 660, 767, 927; 530/417

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[57] **ABSTRACT**

A modified polypeptide material comprising an insoluble polypeptide carrier and synthetic polymer, the synthetic polymer made from (a) a polymerizable compound which has a chemical group capable of covalent coupling to the insoluble polypeptide carrier and (b) one or more polymerizable compounds containing an ionizable chemical group, a chemical group capable of transformation to an ionizable chemical group, a group capable of causing the covalent coupling of the synthetic polymer to an affinity ligand or a biologically active molecule, or a hydrophobic chemical group. The synthetic polymer is covalently bonded to the insoluble polypeptide carrier.

5 Claims, 6 Drawing Figures