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**Steiner**

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[54] **ASSOCIATIVE POLYMER HYDROGELS**

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[57] **ABSTRACT**

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A clear and flexible hydrogel containing hydrophobic microdomains provides for controlled release of medicants or other agents use as a medium for chromatography. These hydrogels are produced by addition of a water insoluble hydrophobic moety containing polymer such as water insoluble hydrophobically modified hydroxyethylcellulose to a surfactant/water or ethanol/water solution where the amount of polymer and the solvent composition are sufficient to produce the hydrogel phase.

**Related U.S. Application Data**

[63] Continuation of Ser. No. 565,704, Aug. 13, 1990.

[51] **Int. Cl.<sup>6</sup>** ..... **C09D 101/28**; C08L 1/28

[52] **U.S. Cl.** ..... **106/197.1**; 106/189

[58] **Field of Search** ..... 106/189, 197.1

**References Cited**

[56]

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**11 Claims, No Drawings**