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Guire et al.

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[54] PREPARATION OF POLYMERIC SURFACES VIA COVALENTLY ATTACHING POLYMERS

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Related U.S. Application Data

[60] Division of Ser. No. 223,149, Jul. 22, 1988, abandoned, which is a continuation-in-part of Ser. No. 138,226, Dec. 24, 1987, abandoned, which is a continuation-in-part of Ser. No. 920,567, Oct. 17, 1986, abandoned, and a continuation-in-part of Ser. No. 108,765, Oct. 15, 1987, Pat. No. 4,973,493, which is a continuation-in-part of Ser. No. 428,074, Sep. 29, 1982, Pat. No. 4,722,906.

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[58] Field of Search 623/1, 11, 6, 66, 901; 427/2; 436/501; 523/113; 435/181

[56] References Cited

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[57] ABSTRACT

A method wherein surfaces are provided with desired characteristics of a polymer by covalently bonding polymer molecules to the surface through external activation of latent reactive groups carried by the polymer molecules is disclosed. The initial surfaces are free of chemical groups added by surface pretreatment and which chemically participate in the covalent bonding process.

31 Claims, No Drawings