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Sierra et al.

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[54] **SURGICAL ADHESIVE MATERIAL**

[56] **References Cited**

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[57] **ABSTRACT**

Related U.S. Application Data

The present invention provides a surgical adhesive comprising, in an aqueous composition, fibrinogen, FXIII, collagen, thrombin, Ca²⁺ and optionally, an antifibrinolytic agent. The present adhesive may be formed from the patient's plasma without the use of any added reagents for concentration or isolation of the fibrinogen. Conveniently, the adhesive is formulated as a two-part composition which is mixed together just prior to use.

[63] Continuation-in-part of Ser. No. 627,561, Dec. 10, 1990, abandoned, which is a continuation of Ser. No. 512,098, Apr. 10, 1990, abandoned, and a continuation of Ser. No. 189,187, May 2, 1988, abandoned.

[51] Int. Cl.⁵ **A61K 35/16; A61K 37/547**

[52] U.S. Cl. **424/94.64; 424/530; 424/423; 514/801; 514/21; 514/561**

[58] Field of Search **424/530, 423, 94.64; 514/801, 21, 561**

21 Claims, No Drawings