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[54] **METHOD OF PREPARING A STERILE PLASMA-PROTEIN SOLUTION CONTAINING FIBRINOGEN AND FACTOR XIII**

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[58] Field of Search **530/383, 380, 384, 382, 530/419, 416**

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[57] **ABSTRACT**

A method of preparing a sterile and stable plasma-protein solution containing fibrinogen and Factor XIII from human blood plasma which has been stabilized with citrate, comprising treating the plasma with β -propiolactone and irradiating it with ultraviolet light, removing the Factors II, VII, IX and X by adsorption onto anion exchangers that adsorb proteins, precipitating the companion proteins out by adding ethanol until the solution has a final concentration of about 9% by volume at -3°C ., centrifuging the precipitate off, dissolving the precipitate in a citrate buffer at a pH of about 6.35 and a temperature of about 37°C ., adjusting the protein level of the solution to about 13.3 g/l with sodium citrate solution, adding ethanol, a glycine citrate buffer, and a solution of sodium citrate to precipitate out the companion proteins, adding ethanol to the remaining solution until the solution has a final concentration of about 9% by volume at -3°C ., thereby precipitating fibrinogen and Factor XIII, dissolving the precipitate in a citrate buffer at a pH of about 6.35 and a temperature of about 37°C ., and filtering the solution.

5 Claims, 1 Drawing Sheet

FLOW CHART PRODUCING STERILE PLASMA-PROTEIN SOLUTION (FIBRINOGEN AND FACTOR XIII)

