

[54] **PLASMA EXTENDER**

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**Related U.S. Application Data**

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[52] **U.S. Cl.** ..... 424/83; 514/2; 514/6; 514/59; 514/60; 514/833

[58] **Field of Search** ..... 424/83; 514/2, 6, 59, 514/60, 833

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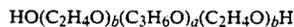
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[57] **ABSTRACT**

In accordance with the present invention, a composition and method is provided for extending the plasma of a human or animal. The method comprises injecting an admixture of an effective concentration of a surface-active copolymer and an effective concentration of a plasma extender into an human or animal. Plasma extenders that can be used in the present invention include, but are not limited to, dextran, hydroxyethyl starch, hemoglobin and albumin.

The surface-active copolymer can be an ethylene oxide-propylene oxide condensation product with the following general formula:



wherein a is an integer such that the hydrophobe represented by (C<sub>3</sub>H<sub>6</sub>O) has a molecular weight of approximately 950 to 4000, preferably between approximately 1200 to 3500, and b is an integer such that the hydrophile portion represented by (C<sub>2</sub>H<sub>4</sub>O) constitutes approximately 50% to 90% by weight of the compound.

**16 Claims, 3 Drawing Sheets**