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[54] **PHARMACEUTICALLY ACCEPTABLE
FIXED-DRIED HUMAN BLOOD PLATELETS**

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[*] Notice: This patent is subject to a terminal dis-
claimer.

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Related U.S. Application Data

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435/240.2; 435/240.31; 435/260; 436/501

[58] Field of Search 424/93.72, 532;
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[57] **ABSTRACT**

Fixed-dried human blood platelets and processes for pre-
 paring the same are disclosed. The platelets, upon reconsti-
 tution: adhere to thrombogenic surfaces; do not adhere to
 non-thrombogenic surfaces; undergo shape change
 (spreading) upon adhering to a thrombogenic surface;
 adhere to one another to form a hemostatic plug upon
 adhering to a thrombogenic surface; and release their granu-
 lar contents. Pharmaceutical formulations containing the
 same are also disclosed. The platelets are preferably fixed by
 means of a fixative such as formaldehyde,
 paraformaldehyde, or glutaraldehyde, or fixed by means of
 a permanganate fixate. The platelets are preferably dried by
 lyophilization.

6 Claims, 1 Drawing Sheet