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(21) International Application Number: PCT/US95/13240 (22) International Filing Date: 19 October 1995 (19.10.95) (30) Priority Data: 08/326,036 19 October 1994 (19.10.94) US (71) Applicant: LIFECCELL CORPORATION [US/US]; 3606-A Research Forest Drive, The Woodlands, TX 77381 (US). (72) Inventors: LIVESEY, Stephen, A.; 104 Napoleon St. Eltham, VIC 3095 (AU). CONNOR, Jerome; 2014 Harvard Street, Houston, TX 77008 (US). CURRIE, Laura, M.; 100 Hollow Tree #2053, Houston, TX 77090 (US). (74) Agent: CAGLE, Stephen, H.; Arnold, White & Durkee, P.O. Box 4433, Houston, TX 77210 (US).		(81) Designated States: AL, AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TT, UA, UG, UZ, VN, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG), ARIPO patent (KE, MW, SD, SZ, UG). Published <i>With international search report.</i> (88) Date of publication of the international search report: 27 June 1996 (27.06.96)
(54) Title: PROLONGED PRESERVATION OF BLOOD PLATELETS (57) Abstract This invention provides a method for prolonging the preservation of human blood platelets at reduced temperatures. The method uses an inhibitor system that enables blood platelets to maintain their discoid shape and retain their functional integrity during storage. This is accomplished by interrupting normal platelet function during storage, so as to help keep platelets from activating and losing their shape. Before using the platelets in a transfusion, they are returned to their normal functional level by washing the inhibitor system away from the platelets.		

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INTERNATIONAL SEARCH REPORT

Inter nal Application No

PCT/US 95/13240

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 A01N1/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 A01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US,A,4 994 367 (BODE ARTHUR P ET AL) 19 February 1991 see the whole document ---	1-40
X	BLOOD CELLS, vol. 18, no. 3, 1992 pages 361-380, ARTHUR P. BODE & H. THOMAS NORRIS 'The use of inhibitors of platelet activation or protease activity in platelet concentrates stored for transfusion.' see the whole document ---	1-40
X	EP,A,0 291 873 (HOECHST AG) 23 November 1988 see page 10, line 45 - page 13, line 31 --- -/-	1-13



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Patent family members are listed in annex.

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Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

Inter nal Application No
PCT/US 95/13240

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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Information on patent family members

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