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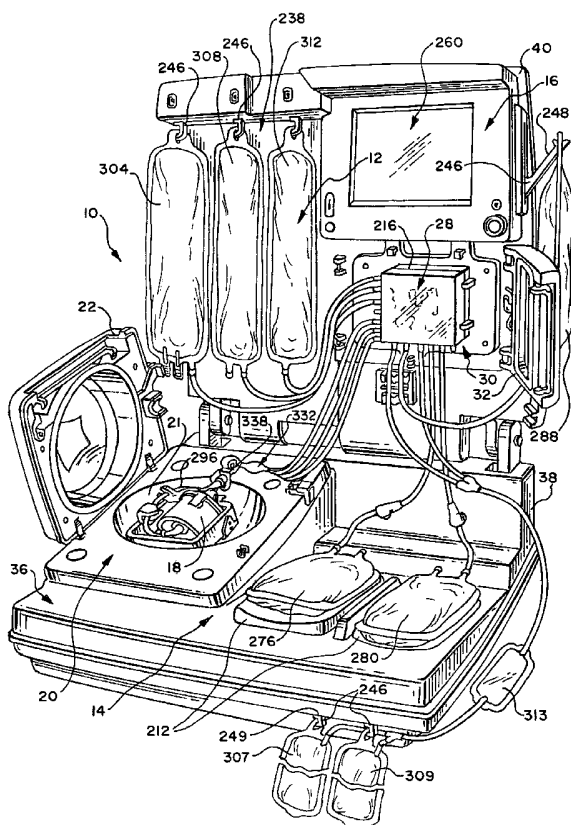
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For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: BLOOD PROCESSING SYSTEMS AND METHODS THAT ALTERNATE FLOW OF BLOOD COMPONENT AND
ADDITIVE SOLUTION THROUGH AN IN-LINE LEUKOFILTER



(57) Abstract: Blood processing systems and methods (10) convey blood cells from a blood cell source into a blood component collection flow channel that includes a blood cell storage container and an in-line filter to remove leukocytes from blood cells before entering the blood cell storage container. The systems and methods also convey additive solution from an additive solution source into the blood component collection flow channel. The systems and methods alternate the conveyance of blood cells through the filter with the conveyance of additive solution through the filter.

INTERNATIONAL SEARCH REPORT

International application No. .

PCT/US02/31317

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61M 37/00; C02F 1/00; B01D 33/15

US CL : 604/6.02, 6.09; 210/782, 739

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)

U.S. : 604/6.02, 6.09, 4.01, 5.01, 6.01, 6.03-6.07, 6.15, 6.16, 6.11, 6.1; 210/782, 739, 85, 645; 422/44

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 practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,738,796 A (BORMANN et al.) 14 April 1998, entire document	1-17
Y	US 5,794,708 A (GIESLER et al.) 05 May 1998, entire document.	1-17
Y	US 5,954,971 A (PAGES et al.) 21 September 1999, entire document.	1-17

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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INTERNATIONAL SEARCH REPORT

International application No.

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Continuation of B. FIELDS SEARCHED Item 3:

EAST

leukocyte, in-line filter, controller, microprocessor, red blood cell, pump, centrifuge/centrifugation