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**Declarations under Rule 4.17:**

- as to applicant's entitlement to apply for and be granted  
a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of  
the earlier application (Rule 4.17(iii))

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[Continued on next page]

(54) **Title:** METHOD AND APPARATUS FOR DETERMINING THE YIELD OF AT LEAST ONE COMPONENT

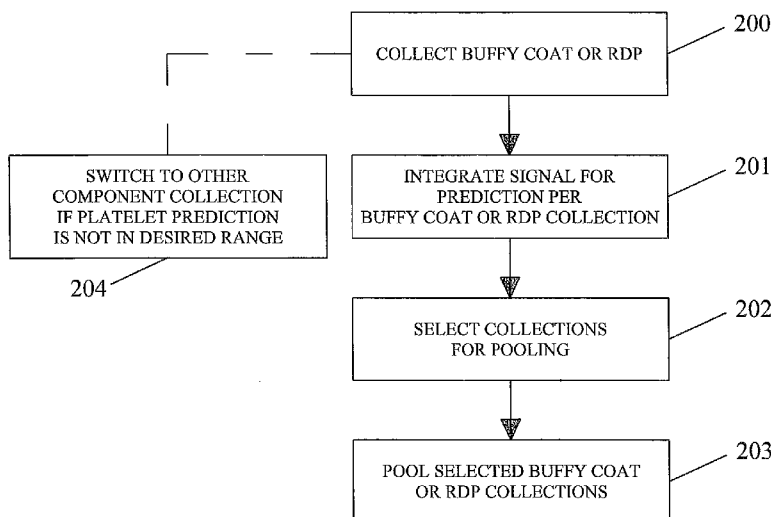


Figure 14

(57) **Abstract:** Method and Apparatus for predicting the yield of a selected cellular component from a composite blood product by sensing the movement of the separated cellular component or another component during expression from a separation container (6, 301) to a collection container (3, 4, 5, 302, 315) to produce a signal indicative of the movement, and predicting the yield of the separated cellular component from the signal.



WO 2010/014330 A3



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## INTERNATIONAL SEARCH REPORT

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**PCT/US2009/049140****A. CLASSIFICATION OF SUBJECT MATTER***G01N 33/49(2006.01)i, C12Q 1/02(2006.01)i*

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 A61M 1/36 (2006.01)i, A61M 37/00 (2006.01)i, B04B 1/00 (2006.01)i, B04B 5/10 (2006.01)i

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

Korean utility models and applications for utility models  
Japanese utility models and applications for utility models  
(Chinese Patents and application for patent)

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

KOMPASS(KIPO internal) &amp; keywords: yield, centrifuge, separation container, collection container, platelet and reinfusion

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2004-018021 A2 (GAMBRO, INC.) 4 March 2004 See Claims 1, 8 and 20	1 - 36
A	WO 2006-071496 A2 (GAMBRO, INC. et al.) 6 July 2006 See Claims 1, 12 and 31	1 - 36
A	WO 2005-082540 A1 (GAMBRO, INC. et al.) 9 Sept. 2005 See Claims 1, 4, 11 and 56	1 - 36
A	US 6605223 B2 (Jorgensen, Glen et al.) 12 Aug. 2003 See Claims 1, 23, 28, 32-33, 37 and 39	1 - 36

 Further documents are listed in the continuation of Box C. See patent family annex.

\* Special categories of cited documents:

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"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

"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

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"&amp;" document member of the same patent family

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

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