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(54) Title: METHODS AND APPARATUS FOR ENHANCED RECOVERY OF CELLS AND OF CELL-ENRICHED MATRIX FROM TISSUE SAMPLES

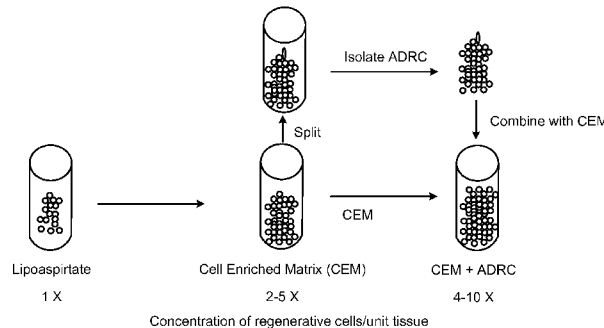


FIG. 14

(57) Abstract: This document describes methods and an apparatus for recovery of a cell-enriched matrix and cells (e.g., regenerative cells) from a tissue sample. In some embodiments, at least two rounds of acceleration and deceleration are performed.

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**A. CLASSIFICATION OF SUBJECT MATTER*****B04B 5/02(2006.01)i, B04B 7/08(2006.01)i, G01N 33/53(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)

B04B 5/02; A01N 1/02; C12M 1/10; B04B 9/10

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

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

eKOMPASS(KIPO internal) &amp; Keywords: cell recovery, cell-enhanced matrix, lipoaspirate, centrifuge

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	JP 2010-125445 A (OLYMPUS CORP.) 10 June 2010. See paragraphs [0017]-[0022],[0029] and figure 1.	6-9 1-4, 11-13, 16-28
A	US 2009-0312169 A1 (HYUN-JIN YANG) 17 December 2009. See the entire document.	1-4, 6-9, 11-13 , 16-28
A	WO 03-024215 A1 (MACROPORE BIOSURGERY, INC.) 27 March 2003. See the entire document.	1-4, 6-9, 11-13 , 16-28
A	JP 2007-029889 A (OLYMPUS CORP.) 08 February 2007. See the entire document.	1-4, 6-9, 11-13 , 16-28
A	JP 2002-200441 A (HITACHI KOKI CO., LTD.) 16 July 2002. See the entire document.	1-4, 6-9, 11-13 , 16-28

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

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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

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

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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