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(71) Applicant (for all designated States except US): **THE JOHNS HOPKINS UNIVERSITY** [US/US]; 3400 N. Charles Street, Baltimore, MD 21218 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ROSSEN, Gedge** [US/US]; 600 North Wolfe Street, Baltimore, MD 21287 (US). **ELISSEFF, Jennifer, H.** [US/US]; 3007 St. Paul, Baltimore, MD 21218 (US). **NAHAS, Zayna** [US/US]; 414 Water Street, #1410, Baltimore, MD 21202 (US). **YE, Zhaoyang** [CN/US]; 3400 North Charles Street, Clark Hall 102, Baltimore, MD 21218 (US). **HIL-LEL, Alexander** [US/US]; 2129 E. Baltimore Street, Baltimore, MD 21231 (US).

(74) Agents: **CORLESS, Peter, F.** et al.; Edwards Angell Palmer & Dodge Llp, P.o. Box 55874, Boston, MA 02205 (US).

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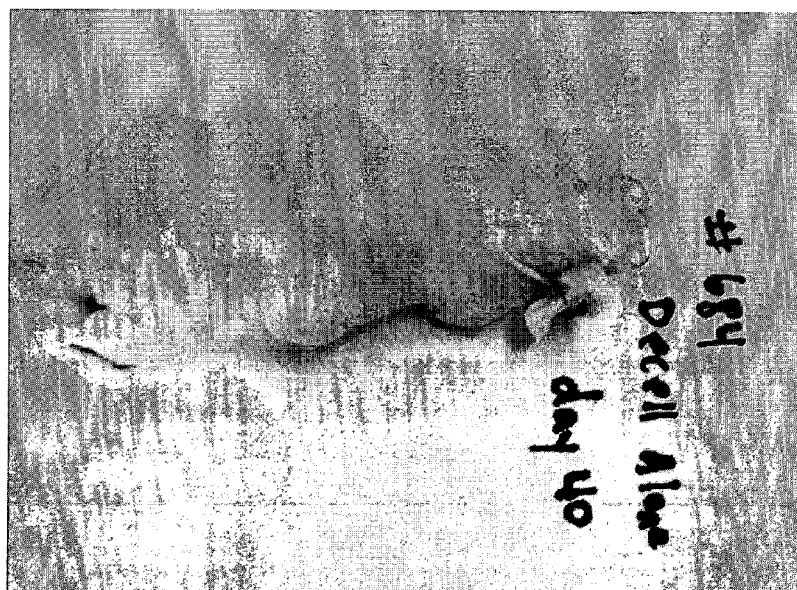
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[Continued on next page]

(54) Title: COMPOSITIONS AND METHODS FOR IMPLANTATION OF ADIPOSE TISSUE AND ADIPOSE TISSUE PRODUCTS

FIGURE 6B



(57) Abstract: The invention provides compositions and methods for the preparation of biocompatible biomaterials from adipose tissue. Biocompatible biomaterials are cellular or acellular biomaterials. The invention further provides methods of use of the biocompatible biomaterials.



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

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A. CLASSIFICATION OF SUBJECT MATTER*C12N 5/06(2006.01)i, A61K 35/12(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: C12N 5/06, A61K 35/12

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 since 1975

Japanese Utility models and applications for Utility models since 1975

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

KOMPASS (KIPO internal) & keywords: adipose, biopolymer

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- A	WO 2007-037572 A1 (SEWON CELLONTECH CO. LTD.) 05 April 2007. See abstract; paragraph 22 - paragraph 56; and claim 2.	1 - 3 ----- 11 - 13
X	US 2005-0147642 A1 (LAREDO, W. R., et al.) 07 July 2005. See paragraph 12 - paragraph 51; and claims 3, 15, 16.	11 - 13
X	KIMURA, Y., et al., 'Adipose tissue engineering based on human preadipocytes combined with gelatin microspheres containing basic fibroblast growth factor', Biomaterials, 2003, vol. 24, pages 2513-2521. See materials and methods.	11 - 13
X	US 2005-0033449 A1 (A ENTERPRISES, INC.) 10 February 2005. See paragraph 27 - paragraph 42; and claims 1, 23.	11 - 13
X	HEIMBURG, D. V., et al., 'Human preadipocytes seeded on freeze-dried collagen scaffolds investigated in vitro and in vivo', Biomaterials, 2001, vol. 22, pages 429-438. See materials and methods.	11 - 13



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

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"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

"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

"&" document member of the same patent family

Date of the actual completion of the international search

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Korean Intellectual Property Office
Government Complex-Daejeon, 139 Seonsa-ro, Seo-
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Authorized officer

LEE, CHUNG HO

Telephone No. 82-42-481-8133



INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2009/000887**Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)**

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☒ Claims Nos.: 4-10, 14-25
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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date

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05.04.2007

KR 10-2007-0095494 A

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None

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