



(51) International Patent Classification:
A61B 17/32 (2006.01)

(21) International Application Number:
PCT/US2011/046737

(22) International Filing Date:
5 August 2011 (05.08.2011)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
12/851,621 6 August 2010 (06.08.2010) US

(71) Applicant (for all designated States except US): **MO-MELAN TECHNOLOGIES, INC.** [US/US]; 90 Sherman Street, Cambridge, MA 02140 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **SABIR, Sameer, Ahmed** [GB/US]; 34 Ash Street, Apt. 203, Cambridge, MA 02138 (US). **TOLKOFF, M., Josh** [US/US]; 39 Jordan Road, Brookline, MA 02446 (US). **ZIEGLER, Andrew** [US/US]; 11 Cedar Avenue, Arlington, MA 02476 (US). **LABOMBARD, Denis** [US/US]; 7 Boardman Street, Georgetown, MA 01833 (US).

(74) Agents: **MEYERS, Thomas, C.** et al.; Brown Rudnick LLP, One Financial Center, Boston, MA 02111 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

(88) Date of publication of the international search report:
15 August 2013

(54) Title: METHODS FOR PREPARING A SKIN GRAFT

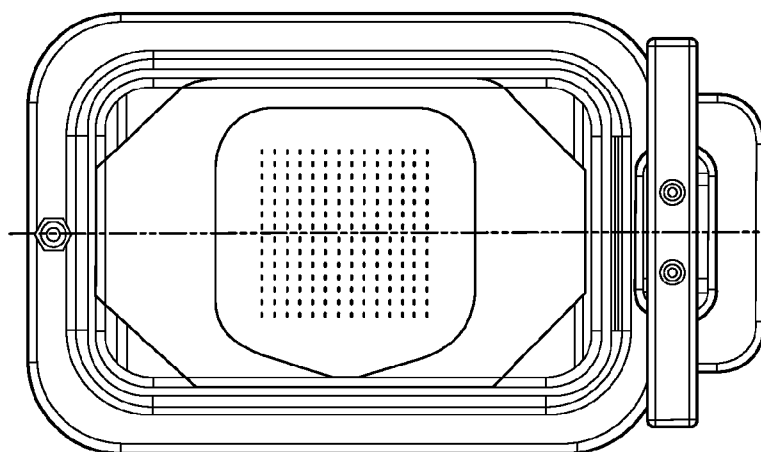


FIG. 2B

(57) Abstract: The present invention generally relates to methods for preparing a skin graft. In certain embodiments, methods of the invention involve harvesting a plurality of skin grafts from a subject, applying the grafts to a first substrate, stretching the first substrate, and transferring the grafts from the first substrate to at least a second substrate for application to a patient recipient site.



INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 11/46737

A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - A61B 17/32 (2011.01) USPC - 606/131, 132 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) 606/131, 132 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched USPC: 128/898 606/184, 186 - See search terms below Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) USPC System (http://www.uspto.gov/web/patents/classification/)(606/131, 132, 184, 186; 128/898); PUBWEST (US Pre-Grant Pub Full-Text, US Patents Full-Text, EPO Abstracts, JPO Abstracts); Google Patents (All); PubMed (All). search terms: blister, graft, suction, vacuum, dermatome, transplant, hollow, raise, cut, blade, first substrate, second, etc.		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2010/036788 A2 (ASRANI ET AL.) 1 April 2010 (01.04.2010) see entire document, particularly abstract, FIGS. 1, 3A, 3B, 4A, 4B, 7, 8A, 12B, 12C, 14 and 15 and p 10-12, 14-17 and 23-25.	23-38, 40 and 42
Y		1-22, 39, 41 and 43-46
Y	US 2005/0038520 A1 (BINETTE ET AL.) 17 February 2005 (17.02.2005) see entire document, particularly FIG. 1, para. [0097].	1-22
Y	US 4,773,418 A (HETTICH) 27 September 1988 (27.09.1988) see entire document, particularly FIGS. 10 and 11, col 6, ln 31-57.	39, 41 and 43-46
A	US 6,800,282 B1 (THOMSON ET AL.) 5 October 2004 (05.10.2004)	1-22
A	US 5,460,939 A (HANSBROUGH ET AL.) 24 October 1995 (24.10.1995)	1-22
A	US 5,686,303 A (KORMAN) 11 November 1997 (11.11.1997)	1-46
A	US 2010/0121311 A1 (SEEGERT ET AL.) 13 May 2010 (13.05.2010)	1-46
☐ Further documents are listed in the continuation of Box C. ☐		
* 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 another 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 21 November 2011 (21.11.2011)		Date of mailing of the international search report 16 DEC 2011
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201		Authorized officer: Lee W. Young PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774