

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
19 February 2009 (19.02.2009)

PCT

(10) International Publication Number
WO 2009/022133 A3

(51) International Patent Classification:
A61L 27/38 (2006.01)

(21) International Application Number:
PCT/GB2008/002743

(22) International Filing Date:
14 August 2008 (14.08.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0715806.6 14 August 2007 (14.08.2007) GB
0721840.7 7 November 2007 (07.11.2007) GB
0808645.6 13 May 2008 (13.05.2008) GB

(71) Applicant (for all designated States except US): **SMITH & NEPHEW PLC** [GB/GB]; 15 Adam Street, London WC2N 6LA (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LANGFORD, Kelly** [GB/GB]; Smith & Nephew Research Centre, York Science Park, Heslington, York YO10 5DF (GB). **BURDON, Drew** [GB/GB]; Smith & Nephew Research Centre, York Science Park, Heslington, York YO10 5DF (GB). **WHYTE, Muna** [GB/GB]; Smith & Nephew Research Centre, York Science Park, Heslington, York YO10 5DF (GB).

(74) Agent: **CONNORS, Martin**; Smith & Nephew Research Centre, York Science Park, Heslington, York YO10 5DF (GB).

(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, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, 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))
- 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))

(88) Date of publication of the international search report:
28 January 2010

(54) Title: SCAFFOLDS

(57) Abstract: The invention relates to methods of preparing tissue implants for use in the augmentation, repair and regeneration of tissues.



WO 2009/022133 A3

INTERNATIONAL SEARCH REPORT

International application No

PCT/GB2008/002743

A. CLASSIFICATION OF SUBJECT MATTER
INV. A61L27/38

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)

A61L

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 practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2006/128012 A1 (ARINZEH TREENA [US] ET AL) 15 June 2006 (2006-06-15) paragraph [0078]; claims 40-57 -----	2-12, 16, 18-29, 33
X	US 2006/153815 A1 (SEYDA AGNIESZKA [US] ET AL) 13 July 2006 (2006-07-13) claims 1-9; example 1 -----	1, 3-34

☐ 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 document 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.
- *Z* document member of the same patent family

Date of the actual completion of the international search

11 November 2009

Date of mailing of the international search report

01/12/2009

Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040,
Fax: (+31-70) 340-3016

Authorized officer

Schneider, Aurore

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/GB2008/002743

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2006128012	A1	15-06-2006	CA 2596957 A1 29-06-2006
			EP 1851858 A2 07-11-2007
			WO 2006068809 A2 29-06-2006
US 2006153815	A1	13-07-2006	NONE