(19) World Intellectual Property Organization

International Bureau

(43) International Publication Date 11 September 2009 (11.09.2009)





(10) International Publication Number WO 2009/109778 A3

(51) International Patent Classification: *A61L 17/04* (2006.01) *D01F 8/14* (2006.01)

(21) International Application Number:

PCT/GB2009/050214

(22) International Filing Date:

4 March 2009 (04.03.2009)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0804018.0

4 March 2008 (04.03.2008) GB

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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

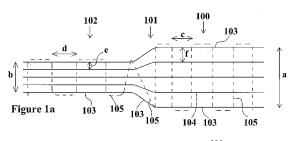
AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, 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.

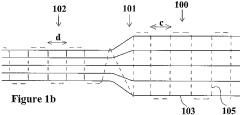
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, 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))
- with information concerning incorporation by reference of missing parts and/or elements (Rule 20.6)
- (88) Date of publication of the international search report: 1 July 2010

(54) Title: IMPLANTABLE PROSTHETIC CORD





(57) Abstract: A medical cord and surgical procedure for the connection of a first tissue site to a second tissue site. The cord comprises a main length having a width and end portions having respective widths being less than the width of the main length. This provides a medical cord that is easy to manipulate during surgical procedures in which the cord may be required to be threaded through apertures and tunnels. The cord is particularly suitable to attach soft tissue, including ligaments and tendons to bone anchorsites and provides a prosthetic scaffold to facilitate tissue ingrowth at the repair site.





INTERNATIONAL SEARCH REPORT

International application No PCT/GB2009/050214

A. CLASSIFICATION OF SUBJECT MATTER INV. A61L17/04 D01F8/14 ADD.

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 A61B D01F

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, COMPENDEX, EMBASE

Category*	Citation of document, with indication, where appropriate, of the	Relevant to claim No.	
X	WO 2006/026397 A2 (SECANT MEDI [US]; GREENHALGH SKOTT E [US]; C [US] ST) 9 March 2006 (2006-paragraph [0002] paragraph [0005] paragraph [0034] paragraph [0052] paragraph [0055] - paragraph [paragraph [0063] paragraph [0063] paragraph [0070] - paragraph [figures 5,17	SMITH NEAL 03-09) 0027] 0056]	1-35
* Special of consider the consideration that consider the consideration that consideration the consideration that consideration the consideration that consideration the consideration that consideration that consideration the consideration that consideration th	ther documents are listed in the continuation of Box C. categories of cited documents: nent defining the general state of the art which is not dered to be of particular relevance document but published on or after the international date ent which may throw doubts on priority claim(s) or n is cited to establish the publication date of another on or other special reason (as specified) nent referring to an oral disclosure, use, exhibition or means ent published prior to the international filing date but than the priority date claimed e actual completion of the international search	"T" later document published after the int or priority date and not in conflict with cited to understand the principle or the invention of particular relevance; the cannot be considered novel or cannot involve an inventive step when the decannot be considered to involve an inventive step when the decannot be considered to involve an indocument is combined with one or ments, such combination being obvious in the art. "&" document member of the same patern Date of mailing of the international se	n the application but neory underlying the claimed invention of the considered to occument is taken alone claimed invention nentive step when the lore other such docupus to a person skilled tramily
2	29 April 2010	12/05/2010	
	mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer	

INTERNATIONAL SEARCH REPORT

International application No
PCT/GB2009/050214

	PCT/GB2009/050214					
(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT						
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.				
A	WO 2006/089267 A2 (SYNTHASOME INC [US]; RATCLIFFE ANTHONY [US]; KERN ANDREAS [US]) 24 August 2006 (2006-08-24) page 2, line 15 - page 3, line 6 page 6, lines 3-11 page 7, line 17 - page 8, line 3	1-35				
4	US 4 987 665 A (DUMICAN BARRY L [US] ET AL) 29 January 1991 (1991-01-29) column 2, lines 13-18 column 5, line 51 - column 6, line 22 column 6, lines 60-68 figure 1	1-35				

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/GB2009/050214

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 2006026397	A2	09-03-2006	US	2009105753	A1	23-04-2009
WO 2006089267	A2	24-08-2006	CA EP JP US ZA	2598268 1868534 2008529749 2008051888 200707535	A2 T A1	24-08-2006 26-12-2007 07-08-2008 28-02-2008 27-08-2008
US 4987665	Α	29-01-1991	NONE	·		