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Filed on 3 March 2014 (03.03.2014)(71) Applicant: BOSTON SCIENTIFIC SCIMED, INC.
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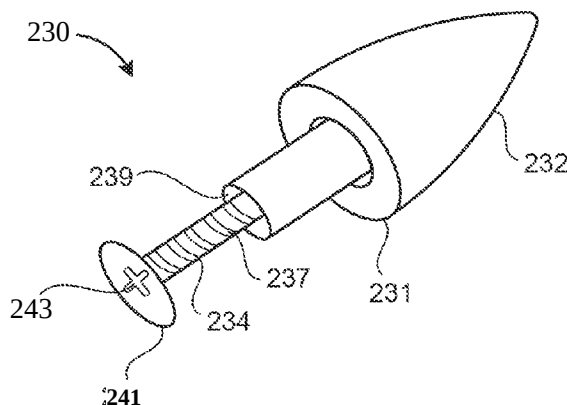


FIG. 3

(57) Abstract: In one embodiment, a medical device includes a tissue anchor has a first portion and a second portion. The tissue anchor is configured to be placed within bodily tissue of a patient. The first portion of the tissue anchor includes an extension member configured to engage the bodily tissue to help retain the tissue anchor within the bodily tissue. The first portion has an inner surface and defines a cavity. The second portion of the tissue anchor has a helical ridge. The helical ridge is configured to engage the inner surface of the first portion of the tissue anchor to movably couple the second portion of the tissue anchor to the first portion of the tissue anchor.



INTERNATIONAL SEARCH REPORT

International application No
PCT/US2014/020383

A. CLASSIFICATION OF SUBJECT MATTER
INV. A61B17/04
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)
A61B

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 practicable, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	wo 2009/055800 AI (SMITH & NEPHEW INC [US] ; LUNN RICHARD M [US] ; PAULK DAVID A [US] ; MAY) 30 April 2009 (2009-04-30) paragraphs [0015] - [0017] ; figures 1-2 -----	1-3 ,6-8
X	wo 2011/060022 A2 (SMITH & NEPHEW INC [US] ; PAULK DAVID A [US] ; LUNN RICHARD MARK [US]) 19 May 2011 (2011-05-19) paragraphs [0022] - [0023] ; figures 1,11 -----	1-3 ,6,7
X	US 2010/262185 AI (GELFAND JEFFREY [US] ET AL) 14 October 2010 (2010-10-14) paragraphs [0053] - [0056] ; figure 8a -----	1,3-5 ,7
X	US 2009/157124 AI (FERRAGAMO MICHAEL C [US] ET AL) 18 June 2009 (2009-06-18) paragraphs [0022] - [0023] ; figures 2a, 2b ----- -/--	1,3,7



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 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

7 July 2014

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30/09/2014

Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

International application No
PCT/US2014/020383

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2011/112576 AI (NGUYEN LINH TUONG [US] ET AL) 12 May 2011 (2011-05-12) paragraphs [0069] - [0071] ; figure 1 -----	1-3 ,6,7
X	US 2007/005068 AI (SKLAR JOSEPH H [US]) 4 January 2007 (2007-01-04) paragraphs [0019] - [0021] ; figures 1,5 -----	1, 2 ,4-7
X	US 6 162 234 A (FREEDLAND YOSEF [US] ET AL) 19 December 2000 (2000-12-19) col umns 16-17 ; figures 1-2 -----	1, 3 ,6,7
X	US 2010/292731 AI (GITTINGS DARIN C [US] ET AL) 18 November 2010 (2010-11-18) figure 10 -----	9
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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2014/020383

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.: 17-20
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:
see FURTHER INFORMATION sheet PCT/ISA/210

3. ☐ Claims Nos.:
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:

see additional sheet

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 fees, this Authority did not invite payment of additional fees.

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. :
1-10

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.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-10

A medical device, comprising:
a tissue anchor having a first portion and a second portion, the tissue anchor being configured to be placed within bodily tissue of a patient,
the first portion of the tissue anchor includes an extension member configured to engage the bodily tissue to help retain the tissue anchor within the bodily tissue, the first portion having an inner surface and defining a cavity,
the second portion of the tissue anchor having a helical ridge, the helical ridge being configured to engage the inner surface of the first portion of the tissue anchor to movably couple the second portion of the tissue anchor to the first portion of the tissue anchor.

2. claims: 11-16

A medical device comprising:
an elongate member having a proximal end portion and a distal end portion, the elongate member defining a cavity;
a shaft member at least partially disposed within the cavity of the elongate member, the shaft member being configured to rotate with respect to the elongate member; and
an actuator operatively coupled to the shaft member and configured to cause the shaft member to rotate with respect to the elongate member.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: 17-20

Claims 17-20 disclose a method of treatment by surgery practised on the human body contrary to Rule 39.1(iv) PCT.

Claims 17-20 pertain to a method for placing a medical device within a body of a patient comprising the step of inserting a tissue anchor into the body of a patient obviously forming part of a surgical procedure. The Authority is therefore not required to carry out international search preliminary examination.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guidelines C-IV, 7.2), should the problems which led to the Article 17(2) declaration be overcome.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2014/020383

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