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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/418,323	03/12/2012	Nathan C. Moskowitz	3003/0107PUS6	1307
87409	7590	12/30/2013	EXAMINER	
Dresch IP Law, PLLC P.O. Box 650903 Potomac Falls, VA 20165			PHILOGENE, PEDRO	
			ART UNIT	PAPER NUMBER
			3733	
			NOTIFICATION DATE	DELIVERY MODE
			12/30/2013	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

mailroom@dreschiplaw.com
jdresch@dreschiplaw.com
linda.logan@dreschiplaw.com

Office Action Summary	Application No. 13/418,323	Applicant(s) MOSKOWITZ ET AL.	
	Examiner PEDRO PHILOGENE	Art Unit 3733	AIA (First Inventor to File) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11/22/13.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on ____; the restriction requirement and election have been incorporated into this action.
- 4) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

- 5) ☒ Claim(s) 1-88 is/are pending in the application.
5a) Of the above claim(s) 19 is/are withdrawn from consideration.
- 6) ☐ Claim(s) ____ is/are allowed.
- 7) ☒ Claim(s) 1-18 and 20-88 is/are rejected.
- 8) ☐ Claim(s) ____ is/are objected to.
- 9) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

Application Papers

- 10) ☐ The specification is objected to by the Examiner.
- 11) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

- a) ☐ All b) ☐ Some** c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b)
Paper No(s)/Mail Date ____.
- 3) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date ____.
- 4) ☐ Other: ____.

The present application is being examined under the pre-AIA first to invent provisions.

Election/Restrictions

Applicant's election with traverse of Group I in the reply filed on 11/22/13 is acknowledged. The traversal is on the ground(s) that independent claim 19 recites a screw locking mechanism is generic. This is not found persuasive because claim 19 discloses a screw with ratchet screw head, which is not disclosed in at least claim 1. Therefore, claim 19 will not be rejoined for prosecution. However, claims 6-18, 20, 87 are rejoined for prosecution in this office action. The requirement is still deemed proper and is therefore made FINAL.

Double Patenting

A rejection based on double patenting of the "same invention" type finds its support in the language of 35 U.S.C. 101 which states that "whoever invents or discovers any new and useful process... may obtain a patent therefor..." (Emphasis added). Thus, the term "same invention," in this context, means an invention drawn to identical subject matter. See *Miller v. Eagle Mfg. Co.*, 151 U.S. 186 (1894); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Ockert*, 245 F.2d 467, 114 USPQ 330 (CCPA 1957).

A statutory type (35 U.S.C. 101) double patenting rejection can be overcome by canceling or amending the claims that are directed to the same invention so they are no longer coextensive in scope. The filing of a terminal disclaimer cannot overcome a double patenting rejection based upon 35 U.S.C. 101.

Claims 1-4 are provisionally rejected under 35 U.S.C. 101 as claiming the same invention as that of claim 1-4 of copending Application No. 13/418,335. This is a provisional statutory double patenting rejection since the claims directed to the same invention have not in fact been patented.

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the “right to exclude” granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory double patenting rejection is appropriate where the claims at issue are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the reference application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement. A terminal disclaimer must be signed in compliance with 37 CFR 1.321(b).

The USPTO internet Web site contains terminal disclaimer forms which may be used. Please visit <http://www.uspto.gov/forms/>. The filing date of the application will determine what form should be used. A web-based eTerminal Disclaimer may be filled out completely online using web-screens. An eTerminal Disclaimer that meets all requirements is auto-processed and approved immediately upon submission. For more information about eTerminal Disclaimers, refer to <http://www.uspto.gov/patents/process/file/efs/guidance/eTD-info-I.jsp>.

Claims 1-18, 20-88 are provisionally rejected on the ground of nonstatutory double patenting as being unpatentable over claims 41-117 of copending Application No. 13/103,994. Although the claims at issue are not identical, they are not patentably distinct from each other because it is clear that all the elements of claims of the application are to be found in claims of the copending application. The difference between claims of the copending application and claims of the application lies in the fact that the copending application claims include many more elements and are thus much more specific. Thus the invention of claims of the copending application is in effect a “species” of the “generic” invention of claims of the application. It has been held that the generic invention is “anticipated” by the “species”. See *in re Goodman*, 29 USPQ2d 2010 (Fed. Cir. 1993). Since claims of the application are anticipated by claims of copending application, they are not patentably distinct.

This is a provisional nonstatutory double patenting rejection because the patentably indistinct claims have not in fact been patented.

Claims 1-18, 20-88 are provisionally rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-87 of copending application No. 13/401,829. Although the claims at issue are not identical, they are not patentably distinct from each other because it is clear that all the elements of claims of the application are to be found in claims of the copending application. The difference between claims of the copending application and claims of the application lies in the fact that the copending application claims include many more elements and are thus much more specific. Thus the invention of claims of the copending application is in effect a “species” of the “generic” invention of claims of the application. It has been held that the generic invention is “anticipated” by the “species”. See *in re Goodman*, 29 USPQ2d 2010 (Fed. Cir. 1993). Since claims of the application are anticipated by claims of copending application, they are not patentably distinct.

This is a provisional nonstatutory double patenting rejection because the patentably indistinct claims have not in fact been patented.

Claims 1-18, 20-88 are provisionally rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-5, 21-86, 88 of copending Application No. 13/418,323. Although the claims at issue are not identical, they are not patentably distinct from each other because it is clear that all the elements of claims of the application are to be found in claims of the copending application. The difference between claims of the copending application and claims of the application lies in the fact that the copending application claims include many more elements and are thus much more specific. Thus the invention of claims of the copending application is in effect a

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“species” of the “generic” invention of claims of the application. It has been held that the generic invention is “anticipated” by the “species”. See *in re Goodman*, 29 USPQ2d 2010 (Fed. Cir. 1993). Since claims of the application are anticipated by claims of copending application, they are not patentably distinct.

This is a provisional nonstatutory double patenting rejection because the patentably indistinct claims have not in fact been patented.

Claims 1-18,20-88 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-42 of U.S. Patent No. 7,972,363. Although the claims at issue are not identical, they are not patentably distinct from each other because it is clear that all the elements of claims of the application are to be found in claims of the patent. The difference between claims of the application and claims of the patent lies in the fact that the patent claims include many more elements and are thus much more specific. Thus the invention of claims of the patent is in effect a “species” of the “generic” invention of claims of the application. It has been held that the generic invention is “anticipated” by the “species”. See *in re Goodman*, 29 USPQ2d 2010 (Fed. Cir. 1993). Since claims of the application are anticipated by claims of the patent, they are not patentably distinct.

Claim Rejections - 35 USC § 112

The following is a quotation of 35 U.S.C. 112(b):

(b) CONCLUSION.—The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the inventor or a joint inventor regards as the invention.

The following is a quotation of 35 U.S.C. 112 (pre-AIA), second paragraph:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 18 is rejected under 35 U.S.C. 112(b) or 35 U.S.C. 112 (pre-AIA), second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which the inventor or a joint inventor, or for pre-AIA the applicant regards as the invention.

In claim 18, line 25, the term “the ratchet teeth” lacks prior antecedent basis.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of pre-AIA 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-9, 11, 13, 15, 16, 20-88 are rejected under pre-AIA 35 U.S.C. 102(b) as being anticipated by Waugh et al.(2008/0249575).

With respect to claims 1, 15, 85, 87, Waugh et al discloses a universal, intervertebral combination bone fusion spacer and self–drilling screw apparatus for insertion into a disc space between a first vertebral body and a second vertebral body and fusion of the first vertebral body to the second vertebral body via biological bone fusion and screw fusion, the apparatus comprising an intervertebral cage (102) including first, second, third and fourth screw guides (122 having predetermined angles as best seen in at least Flg.3, bone graft cavity (116) and first, second, third and fourth screw members (104) a screw locking mechanism (208), wherein the screw member is self-tapping and self-drilling screw having a screw head, as best seen in FIGS.4,8, , a

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tapered end and a threaded body ; as best seen in at least FIG.3; at least one of the screw member engaging the screw locking mechanism, as best seen in FIG.7, wherein the bone graft cavity extends through the intervertebral cage, as best seen in at least FIG.3; the screw members are oriented or angled in opposite direction, as best seen in FIGS.1-14; the internal screw guide includes a tunnel that permits only a predetermined angled trajectory; as best seen in FIG.14; wherein the intervertebral cage includes an exit; as best seen in FIG.14, a side having a plurality of ridges (118), wherein a surface of each of the longitudinal end of the intervertebral body includes a slot (120), wherein each of the first internal screw guide and the second internal screw guide has a 25 degrees angulation, as best seen in Fig.4; wherein the wall has four quadrants delineated by a first axis and a second axis each lying in a plane of the wall and the first axis is at a right angle with respect to the second axis, as best seen in FIG.3; wherein the first quadrant is diagonally opposed to the third quadrant and the second quadrant is diagonally opposed to the fourth quadrant; as best seen in at least FIG.3; a majority of an area of the entry opening of the first integral screw guide is in the first quadrant and a majority of an area of the entry opening of the second integral screw guide is in the fourth quadrant, as could be seen in at least FIG.3, wherein the first indentation formed in the intervertebral cage adjacent to at least one of the first integral screw guide and the second integral screw guide; as best seen in Fig.7, a first leaf spring (208) that engages the first indentation and prevents at least one of the first screw and the second screw from pulling out of the at least one of the first integral screw guide and the second integral screw guide; as best seen in at least FIGS.1-14.

With respect to the method claim, the method steps, as set forth, would have been inherently carried out in the operation of the device, as set forth above.

With respect to claims 2-9, 11, 13, 16, 20-84, 88, Waugh et al disclose all the limitations, as set forth above and as best seen in at least FIGS.1-14.

Allowable Subject Matter

Claims 10, 12, 14 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claim 18 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112(b) or 35 U.S.C. 112 (pre-AIA), 2nd paragraph, set forth in this Office action.

Claim 17 is allowed.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

8,137,405	3-2012	Kostuik et al.
2008/0249569	10-2008	Waugh et al.
8,419,797	4-2013	Bierderman et al
2013/0073044	3-2013	Gamache
2013/0060339	3-2013	Duffield et al.
2012/0323330	12-2012	Kueenzi et al.
2012/0277870	11-2012	Wolters et al.

2012/0271423 10-2012 Wallsein et al.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to PEDRO PHILOGENE whose telephone number is (571)272-4716. The examiner can normally be reached on Monday to Friday 8:00 AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eduardo Robert can be reached on (571) 272 - 4719. The fax phone number for the organization where this application or proceeding is assigned is 571 - 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/PEDRO PHILOGENE/
Primary Examiner, Art Unit 3733
December 20, 2013

Notice of References Cited	Application/Control No. 13/418,323		Applicant(s)/Patent Under Reexamination MOSKOWITZ ET AL.	
	Examiner PEDRO PHILOGENE		Art Unit 3733	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-7,972,363	07-2011	Moskowitz et al.	606/246
*	B	US-2012/0271423	10-2012	Wallenstein et al.	623/17.16
*	C	US-2012/0277870	11-2012	Wolters et al.	623/17.16
*	D	US-2012/0323330	12-2012	Kueenzi et al.	623/17.16
*	E	US-2013/0060339	03-2013	Duffield et al.	623/17.16
*	F	US-2013/0073044	03-2013	Gamache, Thomas	623/17.16
*	G	US-8,419,797	04-2013	Biedermann et al.	623/17.16
*	H	US-2008/0249569	10-2008	Waugh et al.	606/249
*	I	US-8,137,405	03-2012	Kostuik et al.	623/17.16
*	J	US-2008/0249575	10-2008	Waugh et al.	606/305
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	45	moskowitz near nathan.in.	US-PGPUB; USPAT	OR	ON	2013/12/20 10:41
L2	2825183	moskowitz near nathan.in. & screw near guide & predetermined near angle & screw near member & screw near locking near mechanism & screw near head & threaded naer body	US-PGPUB; USPAT	OR	ON	2013/12/20 10:49
L3	5	moskowitz near nathan.in. & screw near guide & predetermined near angle & screw near member & screw near locking near mechanism & screw near head & threaded near body	US-PGPUB; USPAT	OR	ON	2013/12/20 10:50
L4	5	screw near guide & predetermined near angle & screw near member & screw near locking near mechanism & screw near head & threaded near body	US-PGPUB; USPAT	OR	ON	2013/12/20 11:15
L5	5	screw near guide & predetermined near angle & screw near member & screw near locking near mechanism & screw near head & threaded near body	US-PGPUB; USPAT	OR	ON	2013/12/20 11:16
L6	5	4 & 5	US-PGPUB; USPAT	OR	ON	2013/12/20 11:16
L7	5	6 AND ((A61B2017/922 OR A61B17/0642 OR A61B17/7064 OR A61B17/8042 OR A61B17/86 OR A61B2017/0641 OR A61B2017/0647 OR A61B2017/0648 OR A61B17/809 OR A61B17/8047 OR A61B17/8605 OR A61F2002/2835 OR A61F2002/30476 OR A61F2002/30772 OR A61F2002/30787 OR A61F2002/448 OR A61F2220/0025 OR A61F2/447).CPC. OR (623/17.16 OR 606/246 OR 606/301).CCLS. OR (A61F2/44 OR A61B17/58).IPCR.)	US-PGPUB; USPAT	OR	ON	2013/12/20 11:23
L8	1	"20130023992"	US-PGPUB; USPAT	OR	ON	2013/12/20 11:26
L9	4630	623/17.16	US-PGPUB; USPAT	OR	ON	2013/12/20 11:31
L10	4105	9 AND ((A61F2/442 OR A61F2/4455 OR A61F2/4611 OR A61F2002/2835 OR A61F2002/4475 OR A61F2220/0025 OR A61F2/44 OR A61F2002/448 OR A61F2002/30785 OR A61F2002/30578 OR A61F2002/30772 OR A61F2002/30787 OR A61F2002/30476 OR A61B17/86 OR A61B17/7064 OR A61B17/8047 OR	US-PGPUB; USPAT	OR	ON	2013/12/20 12:16

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		A61B17/0642 OR A61B2017/00867).CPC. OR (623/17.16 OR 623/11.11 OR 623/17.12 OR 623/17.13 OR 623/17.15 OR 606/279 OR 606/246 OR 606/329 OR 606/86A).CCLS. OR (A61F2/44 OR A61F2/46 OR A61F2/02 OR A61B17/70 OR A61B17/84 OR A61B17/88).IPCR.)				
L11	1665	9 AND ((A61B17/8605 OR A61B2017/0641 OR A61B2017/0647 or A61B2017/0648 OR A61B2017/922).CPC. OR (623/17.11 OR 623/17.14 OR 606/305 OR 606/301 OR 606/72 OR 606/300 OR 606/144 OR 606/151 OR 606/266).CCLS.)	US-PGPUB; USPAT	OR	ON	2013/12/20 13:13

12/ 20/ 2013 1:32:30 PM

Search Notes 	Application/Control No. 13418323	Applicant(s)/Patent Under Reexamination MOSKOWITZ ET AL.
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CPC- SEARCHED		
Symbol	Date	Examiner
A61B17/0642, A61F2/447, A61B17/7064, A61B17/9605, A61B17/8047	12/20/2013	/P.P./

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner
A61B2017/0641, A61B2017/0647, A61B2017/0648, A61B2017/922	12/20/2013	/P.P./
A61B2002/2835, A61F2002/30476, A61F2020/30772, A61F2020/30787, A61F2002/448, A61F2002/0025	12/20/2013	/P.P./

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
623	17.11-17.16	12/20/2013	/P.P./
606	246, 301, 72, 300, 144, 151, 266, 305, 279, 329, 86A		

SEARCH NOTES		
Search Notes	Date	Examiner
EAST search enclosed	12/20/2013	/P.P./

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

	/PEDRO PHILOGENE/ Primary Examiner.Art Unit 3733
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<i>Index of Claims</i> 	Application/Control No. 13418323	Applicant(s)/Patent Under Reexamination MOSKOWITZ ET AL.
	Examiner PEDRO PHILOGENE	Art Unit 3733

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant		☐ CPA		☐ T.D.		☐ R.1.47			
CLAIM		DATE							
Final	Original	12/20/2013							
	1	✓							
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	36	✓							

<i>Index of Claims</i> 	Application/Control No. 13418323	Applicant(s)/Patent Under Reexamination MOSKOWITZ ET AL.
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☐ Claims renumbered in the same order as presented by applicant		☐ CPA		☐ T.D.		☐ R.1.47			
CLAIM		DATE							
Final	Original	12/20/2013							
	37	✓							
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	39	✓							
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	72	✓							

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✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant		☐ CPA		☐ T.D.		☐ R.1.47			
CLAIM		DATE							
Final	Original	12/20/2013							
	73	✓							
	74	✓							
	75	✓							
	76	✓							
	77	✓							
	78	✓							
	79	✓							
	80	✓							
	81	✓							
	82	✓							
	83	✓							
	84	✓							
	85	✓							
	86	✓							
	87	✓							
	88	✓							

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	43	moskowitz near nathan.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/07/08 08:19
L2	4	moskowitz near nathan.in. & bone near fusion near spacer & screw & intervertebral near cage & screw near guide same angle & screw near locking & screw near head & threaded near body	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/07/08 08:21
L3	5	bone near fusion near spacer & screw & intervertebral near cage & screw near guide same angle & screw near locking & screw near head & threaded near body	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/07/08 08:44
L4	4289	623/17.16	US-PGPUB; USPAT	OR	OFF	2013/07/08 08:46
L5	1109	(623/17.16).OCLS.	USPAT; USOCR	OR	OFF	2013/07/08 10:11
L6	1716	623/17.15	US-PGPUB; USPAT	OR	OFF	2013/07/08 10:37
L7	527	(623/17.15).OCLS.	USPAT; USOCR	OR	OFF	2013/07/08 10:44
L8	828	623/17.14	US-PGPUB; USPAT	OR	OFF	2013/07/08 10:47
L9	839	623/17.13	US-PGPUB; USPAT	OR	OFF	2013/07/08 10:47
L10	1104	623/17.12	US-PGPUB; USPAT	OR	OFF	2013/07/08 10:48
L11	4093	623/17.11	US-PGPUB; USPAT	OR	OFF	2013/07/08 10:48
L12	29	("20010021851" "20020128654" "20030130737" "20060041260" "20060149251" "20070073298" "20080249624" "20080249625" "20100137919" "5053036" "5520690" "5904683" "6099531" "6342074" "6364880" "6423063" "6558423" "6629998" "6716214" "6972019" "6984234" "7001385" "7033394" "7041135" "7077864" "7175624" "7318825" "7651517").PN. OR ("8137405").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2013/07/08 11:12

L13	1379	(623/17.11).CCLS.	USPAT; USOCR	OR	OFF	2013/07/08 11:20
L14	578	(606/246).CCLS.	USPAT; USOCR	OR	OFF	2013/07/08 11:44
L15	948	(606/279).CCLS.	USPAT; USOCR	OR	OFF	2013/07/08 11:51
L16	217	(606/301).CCLS.	USPAT; USOCR	OR	OFF	2013/07/08 12:02
L17	6	((("8167946") or ("7794502") or ("7442209") or ("6972019") or ("7041135") or ("6558423"))).PN.	USPAT; USOCR	OR	OFF	2013/07/08 12:06

7/ 8/ 2013 12:11:13 PM

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	45	moskowitz near nathan.in.	US-PGPUB; USPAT	OR	ON	2013/12/20 10:41
L2	2825183	moskowitz near nathan.in. & screw near guide & predetermined near angle & screw near member & screw near locking near mechanism & screw near head & threaded naer body	US-PGPUB; USPAT	OR	ON	2013/12/20 10:49
L3	5	moskowitz near nathan.in. & screw near guide & predetermined near angle & screw near member & screw near locking near mechanism & screw near head & threaded near body	US-PGPUB; USPAT	OR	ON	2013/12/20 10:50
L4	5	screw near guide & predetermined near angle & screw near member & screw near locking near mechanism & screw near head & threaded near body	US-PGPUB; USPAT	OR	ON	2013/12/20 11:15
L5	5	screw near guide & predetermined near angle & screw near member & screw near locking near mechanism & screw near head & threaded near body	US-PGPUB; USPAT	OR	ON	2013/12/20 11:16
L6	5	4 & 5	US-PGPUB; USPAT	OR	ON	2013/12/20 11:16
L7	5	6 AND ((A61B2017/922 OR A61B17/0642 OR A61B17/7064 OR A61B17/8042 OR A61B17/86 OR A61B2017/0641 OR A61B2017/0647 OR A61B2017/0648 OR A61B17/809 OR A61B17/8047 OR A61B17/8605 OR A61F2002/2835 OR A61F2002/30476 OR A61F2002/30772 OR A61F2002/30787 OR A61F2002/448 OR A61F2220/0025 OR A61F2/447).CPC. OR (623/17.16 OR 606/246 OR 606/301).CCLS. OR (A61F2/44 OR A61B17/58).IPCR.)	US-PGPUB; USPAT	OR	ON	2013/12/20 11:23
L8	1	"20130023992"	US-PGPUB; USPAT	OR	ON	2013/12/20 11:26
L9	4630	623/17.16	US-PGPUB; USPAT	OR	ON	2013/12/20 11:31
L10	4105	9 AND ((A61F2/442 OR A61F2/4455 OR A61F2/4611 OR A61F2002/2835 OR A61F2002/4475 OR A61F2220/0025 OR A61F2/44 OR A61F2002/448 OR A61F2002/30785 OR A61F2002/30578 OR A61F2002/30772 OR A61F2002/30787 OR A61F2002/30476 OR A61B17/86 OR A61B17/7064 OR A61B17/8047 OR A61B17/0642 OR A61B2017/00867).CPC. OR (623/17.16 OR 623/11.11 OR 623/17.12 OR	US-PGPUB; USPAT	OR	ON	2013/12/20 12:16

		623/17.13 OR 623/17.15 OR 606/279 OR 606/246 OR 606/329 OR 606/86A).CCLS. OR (A61F2/44 OR A61F2/46 OR A61F2/02 OR A61B17/70 OR A61B17/84 OR A61B17/88).IPCR.)				
L11	1665	9 AND ((A61B17/8605 OR A61B2017/0641 OR A61B2017/0647 or A61B2017/0648 OR A61B2017/922).CPC. OR (623/17.11 OR 623/17.14 OR 606/305 OR 606/301 OR 606/72 OR 606/300 OR 606/144 OR 606/151 OR 606/266).CCLS.)	US-PGPUB; USPAT	OR	ON	2013/12/20 13:13
L12	318167	screw & screw near head with ratchet neat teeth same lock\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/12/20 13:26
L13	32	screw & screw near head with ratchet near teeth same lock\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/12/20 13:26

12/ 20/ 2013 1:37:39 PM