

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5159165

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GREATBATCH MEDICAL SA	07/02/2018

RECEIVING PARTY DATA

Name:	BANDERA ACQUISITION, LLC
Street Address:	2 HAMPSHIRE STREET
City:	FOXBOROUGH
State/Country:	MASSACHUSETTS
Postal Code:	02035

PROPERTY NUMBERS Total: 84

Property Type	Number
Patent Number:	8337535
Patent Number:	8277457
Patent Number:	8398650
Patent Number:	8221431
Patent Number:	8236004
Patent Number:	8657833
Patent Number:	8475460
Patent Number:	9119731
Patent Number:	8961528
Patent Number:	8585709
Patent Number:	8480674
Patent Number:	8657834
Patent Number:	8784422
Patent Number:	9078672
Patent Number:	D686896
Patent Number:	8870886
Patent Number:	9028502
Patent Number:	8834471
Patent Number:	9351740
Patent Number:	9737314

PATENT

Property Type	Number
Patent Number:	D622124
Patent Number:	8784458
Patent Number:	6238398
Patent Number:	6129732
Patent Number:	6506000
Patent Number:	6264647
Patent Number:	6540739
Patent Number:	7056317
Patent Number:	7296804
Patent Number:	7115119
Patent Number:	8057477
Patent Number:	7922721
Patent Number:	7918856
Patent Number:	6729037
Patent Number:	6669702
Patent Number:	7150751
Patent Number:	7048740
Patent Number:	6994710
Patent Number:	7011662
Patent Number:	6918913
Patent Number:	7850691
Patent Number:	7901406
Patent Number:	7850692
Patent Number:	7901405
Patent Number:	7785329
Patent Number:	7637909
Patent Number:	7780669
Patent Number:	7229078
Patent Number:	7473254
Patent Number:	7572259
Patent Number:	6932821
Patent Number:	7600451
Patent Number:	7326198
Patent Number:	7955320
Patent Number:	7682363
Patent Number:	7819318
Patent Number:	7608076
Patent Number:	8182486

Property Type	Number
Patent Number:	7976548
Patent Number:	7909828
Patent Number:	7749227
Patent Number:	7887481
Patent Number:	7955323
Patent Number:	7588572
Patent Number:	7857816
Patent Number:	7922726
Patent Number:	7967824
Patent Number:	7988692
Patent Number:	8475466
Patent Number:	8236003
Patent Number:	8052689
Patent Number:	8679124
Patent Number:	6257593
Patent Number:	6513814
Patent Number:	8491586
Patent Number:	8147497
Patent Number:	8075563
Patent Number:	7922722
Patent Number:	8251901
Patent Number:	8088149
Patent Number:	7722653
Patent Number:	7740648
Patent Number:	8080010
Patent Number:	7905883

CORRESPONDENCE DATA

Fax Number: (603)668-2970

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 6036686560

Email: HWOODS@GTPP.COM

Correspondent Name: GROSSMAN, TUCKER, PERREAULT

Address Line 1: 55 SOUTH COMMERCIAL STREET

Address Line 4: MANCHESTER, NEW HAMPSHIRE 03101

ATTORNEY DOCKET NUMBER:	MEDP001
NAME OF SUBMITTER:	STEVEN J. GROSSMAN, PH.D.
SIGNATURE:	/Steven J. Grossman, Ph.D./

DATE SIGNED:

09/26/2018

Total Attachments: 30

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INTELLECTUAL PROPERTY ASSIGNMENT AGREEMENT

BY AND AMONG

GREATBATCH LTD.,

GREATBATCH MEDICAL SA,

LAKE REGION MEDICAL, INC.,

LAKE REGION MANUFACTURING, INC.,

and

BANDERA ACQUISITION, LLC

Dated as of July 2, 2018

INTELLECTUAL PROPERTY ASSIGNMENT AGREEMENT

This INTELLECTUAL PROPERTY ASSIGNMENT AGREEMENT (together with the Schedules attached hereto, this "Agreement") is entered into as of July 2, 2018, by and among Greatbatch Ltd., a New York corporation ("GB"), Greatbatch Medical SA, a société anonyme organized under the laws of Switzerland, Lake Region Medical, Inc., a Maryland corporation, and Lake Region Manufacturing, Inc., a Minnesota corporation (collectively, the "Asset Sellers"), and Bandera Acquisition, LLC, a Delaware limited liability company ("Buyer").

WHEREAS, GB and Buyer have entered into a Master Purchase and Sale Agreement, dated as of May 3, 2018 (the "Purchase Agreement") pursuant to which GB, the other Asset Sellers and the Equity Interest Sellers agreed to sell to Buyer, and Buyer agreed to purchase from GB, the other Asset Sellers and the Equity Interest Sellers, certain Equity Interests and Acquired Assets that collectively make up the AS&O Business;

WHEREAS, under the terms and conditions set forth in the Purchase Agreement, GB has agreed to sell, convey, assign, transfer and deliver to Buyer and to cause the other Asset Sellers to sell, convey, assign, transfer and deliver to Buyer, all right, title and interest in and to all of the Acquired Intellectual Property; and

WHEREAS, GB and the other Asset Sellers and Buyer have agreed to enter into this Agreement, the execution and delivery of which is required by Section 2.3(b)(xi) of the Purchase Agreement and is a condition of consummating the transactions contemplated under the Purchase Agreement.

NOW, THEREFORE, in consideration of the premises and the mutual covenants and agreements herein contained, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereto, intending to be legally bound, agree as follows:

ARTICLE I DEFINITIONS

Section 1.1 *Definitions*. Capitalized terms used but not otherwise defined in this Agreement shall have the respective meanings assigned to such terms in the Purchase Agreement.

ARTICLE II INTELLECTUAL PROPERTY ASSIGNMENT

Section 2.1 *Intellectual Property Assignment*. GB and each other Asset Seller hereby irrevocably and unconditionally sells, conveys, assigns, transfers and delivers to Buyer, and Buyer hereby acquires from GB and the other Asset Sellers, all right, title and interest in and to the Acquired Intellectual Property (and including (a) all of the content set forth in the URLs listed on Exhibit A attached hereto that primarily relates to the AS&O Business, and all Intellectual Property rights therein and with respect thereto, (b) all Patents set forth on Exhibit B attached hereto, and all continuations, continuations-in-part, divisionals, reissues,

re-examinations, substitutions, and extensions thereof, and all counterparts of any of the foregoing, and all inventions and other Intellectual Property embodied therein or covered thereby, and (c) all Trademarks set forth on Exhibit C attached hereto and the goodwill associated therewith), and, in each case, together with all rights to collect royalties, products and proceeds in connection with any of the foregoing, all rights to sue and bring other claims for, and recover damages in connection with, past, present and future infringement, misappropriation or other violation thereof and all other claims relating to any such Intellectual Property (regardless of whether arising prior to, as of, or after the date hereof or known or unknown), and all associated rights in, to or under any of the foregoing in any jurisdiction throughout the world, whether now or hereafter existing (collectively, the “Assigned IP”) for the United States and for all foreign countries for Buyer’s and each of its Affiliates’ own use and enjoyment, and for the use and enjoyment of Buyer’s successors, assigns and other legal representatives, including as fully and entirely as the same would have been held and enjoyed by any Asset Seller or any of their respective Affiliates if this assignment had not been made, in each case, free and clear of any and all liens, licenses, options, rights of first refusal or other contingent rights and any other rights or encumbrances. GB and each other Asset Seller agrees to deliver to Buyer, and consistent with the provisions of the Transition Services Agreement between the parties dated as of the date hereof, all prosecution history files, legal and other documents relating to the Assigned IP as soon as reasonably practicable after the Effective Date but in no event later than three (3) months after the Effective Date and shall reasonably consult and cooperate with Buyer in connection therewith.

Section 2.2 *Recordation*. Each of the parties hereto hereby authorizes and requests the United States Patent and Trademark Office and any other applicable governmental entity or registrar (including any applicable foreign or international office or registrar) (each, an “IP Office/Registrar”) to record, at the Buyer’s (or its Affiliate’s) sole cost and expense, Buyer as the owner of the issued, registered or applied for Assigned IP (including the Patents set forth in Exhibit B and the Trademarks set forth in Exhibit C). Each Asset Seller hereby acknowledges and agrees that Buyer (and, for clarity, any of its successors or assigns) shall have the right to record, at the Buyer’s (or its Affiliate’s) sole cost and expense, this Agreement, and/or any short-form intellectual property assignment agreements, with all applicable IP Office/Registrar(s) so as to record and perfect the assignment, and its ownership of, the applicable Assigned IP. However, if with respect to any of the issued, registered or applied for Assigned IP, no Asset Seller is listed as of the Effective Date as the owner of record in, as applicable, the United States Patent and Trademark Office or other applicable IP Office/Registrar in the applicable jurisdiction for such Assigned IP, or there is any other gap in the chain of title of such Assigned IP in the applicable IP Office/Registrar, then the Asset Sellers shall, in coordination with Buyer (or if requested by Buyer, its designee(s)), but at the sole cost and expense of Buyer (or its Affiliates), use commercially reasonable efforts to take or cause to be taken such actions as may reasonably be required to update the chain of title for the applicable issued, registered or applied for Assigned IP in the applicable IP Office/Registrar so that there are no gaps in the chain of title, including by executing and delivering any and all assignments, powers of attorney and/or other agreements or documentation as may be reasonably required or requested by the Buyer or the Assignee or any other Affiliates of Buyer. Notwithstanding the foregoing sentence, and for the avoidance of doubt, any actions taken by GB Ltd. prior to the date hereof to update the chain of title for the Assigned IP were taken at GB Ltd.’s sole cost and expense, including with respect to the Assigned IP set forth in Exhibit D.

Section 2.3 *Further Assurances*. From time to time after the Effective Date, at the sole cost and expense of Buyer or any of its Affiliates (or any of its or their respective successor or assigns), each Asset Seller shall use commercially reasonable efforts, and shall cause its respective Affiliates to take commercially reasonable efforts to, take or cause to be taken such actions, as may be reasonably requested by Buyer or any of its Affiliates (or any of its or their respective successors or assigns) to carry out the purposes of this Agreement (including the execution and delivery of affidavits, declarations, oaths, exhibits, assignments, powers of attorney and/or other agreements or documentation as may be reasonably required) and as may be reasonably requested by Buyer or any of its Affiliates (or any of its or their respective successors or assigns) to confirm, effect, record, perfect, register, patent or maintain, protect and enforce the rights assigned herein, including: (a) the preparation and prosecution of any applications or registrations with respect to any Assigned IP; (b) the prosecution or defense of any interference, opposition, reexamination, reissue, *inter partes* review, post grant proceeding, infringement or other proceeding that may arise in connection with any of the rights assigned herein, including testifying as to the fact of the assignment of rights hereunder; and (c) the execution and delivery of any instruments and documents necessary to effect and record throughout the world the assignments contemplated hereunder, including the execution of short-form intellectual property assignment agreements and such other documents as may be required.

Section 2.4 *Power of Attorney*. GB and each other Asset Seller hereby appoints Buyer and its designees as its attorney-in-fact, which appointment is a right coupled with an interest and is deemed irrevocable, with full authority in the place and stead of GB and the other Asset Sellers and in the name of GB and the other Asset Sellers, if any applicable Asset Seller is unable or unwilling to comply with its obligations in Section 2.2 and Section 2.3 after notice of such non-compliance by Buyer.

ARTICLE III MISCELLANEOUS

Section 3.1 *Entire Agreement*. This Agreement, including the Exhibits attached hereto, together with the documents referenced herein (including the Purchase Agreement), constitutes the entire agreement and understanding between the parties hereto with respect to the subject matter hereof and supersedes all prior written and oral and all contemporaneous oral agreements and understandings with respect to the subject matter hereof.

Section 3.2 *Binding Effect*. This Agreement shall inure to the benefit of and be binding upon the parties hereto and their respective successors and permitted assigns. Buyer (and its successors and assigns) may freely assign this Agreement. This Agreement may not be assigned by GB or any other Asset Seller, except with the prior written consent of the other party hereto (such consent not to be unreasonably withheld). Any purported assignment in violation of this Section 3.2 is void.

Section 3.3 *Amendment; Waivers*. The parties may mutually amend or waive any provision of this Agreement at any time. No amendment or waiver of any provision of this Agreement shall be valid unless the same shall be in writing and signed by each of the parties. No failure or delay on the part of either party hereto in the exercise of any right hereunder shall

impair such right or be construed to be a waiver of, or acquiescence in, any breach of any representation, warranty, covenant or agreement contained herein, nor shall any single or partial exercise of any such right preclude other or further exercise thereof or of any other right.

Section 3.4 *Notices*. All notices, requests, demands, claims and other communications hereunder shall be in writing. Any notice, request, demand, claim or other communication hereunder shall be deemed duly delivered (a) one Business Day after it is sent by a reputable courier service guaranteeing delivery within one Business Day, (b) when transmitted by telecopy, facsimile or other electronic means (e.g., PDF) with confirmation of transmission, or (c) if otherwise actually personally delivered, when delivered, in each case to the applicable address and intended recipient set forth in Section 11.8 of the Purchase Agreement.

Section 3.5 *Counterparts; Facsimile Signatures*. This Agreement may be executed in two or more counterparts (including by facsimile or by an electronic scan delivered by electronic mail), each of which shall be deemed an original but all of which together shall be considered one and the same agreement and shall become effective when counterparts have been signed by each party hereto and delivered to the other party, it being understood that each party need not sign the same counterpart. This Agreement may be executed and delivered by facsimile or by an electronic scan delivered by electronic mail.

Section 3.6 *Severability*. Any term or provision of this Agreement that is invalid or unenforceable in any situation in any jurisdiction shall not affect the validity or enforceability of the remaining terms and provisions hereof or the validity or enforceability of the offending term or provision in any other situation or in any other jurisdiction. If the final judgment of a court of competent jurisdiction declares that any term or provision hereof is invalid or unenforceable, the parties agree that the body making the determination of invalidity or unenforceability shall have the power to reduce the scope, duration or area of the term or provision, to delete specific words or phrases, or to replace any invalid or unenforceable term or provision with a term or provision that is valid and enforceable and that comes closest to expressing the intention of the invalid or unenforceable term or provision, and this Agreement shall be enforceable as so modified after the expiration of the time within which the judgment may be appealed.

Section 3.7 *Governing Law*. This Agreement shall be governed by and construed in accordance with the internal Laws of the State of New York without giving effect to any choice or conflict of Law provision or rule (whether of the State of New York or any other jurisdiction) that would cause the application of Laws of any jurisdiction other than those of the State of New York.

Section 3.8 *Submission to Jurisdiction*. Any action or proceeding arising under this Agreement shall be subject to Section 11.15 of the Purchase Agreement.

Section 3.9 *Performance*. Each party hereto shall cause to be performed, and hereby guarantees the performance of, all actions, agreements and obligations set forth herein to be performed by any Affiliate of such party.

Section 3.10 *Relationship of Parties*. This Agreement does not create a fiduciary relationship, partnership, joint venture or relationship of trust or agency between the parties. The

parties hereto agree that GB and any other Asset Seller is an independent contractor in the performance of this Agreement.

Section 3.11 *Construction*. This Agreement shall be construed as if jointly drafted by the parties hereto and no rule of construction or strict interpretation shall be applied against either party. The titles to Articles and headings of Sections contained in this Agreement have been inserted for convenience of reference only and shall not be deemed to be a part of or to affect the meaning or interpretation of this Agreement. Except where expressly stated otherwise in this Agreement, the following rules of interpretation apply to this Agreement: (a) “either” and “or” are not exclusive and “include,” “includes” and “including” are not limiting; (b) “hereof,” “hereto,” “hereby,” “herein” and “hereunder” and words of similar import when used in this Agreement refer to this Agreement as a whole and not to any particular provision of this Agreement; (c) “date of this Agreement” or “date hereof” refers to the date set forth in the initial caption of this Agreement; (d) “extent” in the phrase “to the extent” means the degree to which a subject or other thing extends, and such phrase does not mean simply “if”; (e) definitions contained in this Agreement are applicable to the singular as well as the plural forms of such terms; (f) references to a contract or agreement mean such contract or agreement as amended or otherwise supplemented or modified from time to time; (g) references to a person or entity are also to its permitted successors and assigns; (h) unless stated otherwise herein, references to an “Article,” “Section,” or “Exhibit” refer to an Article, Section or Exhibit to this Agreement; and (i) references to a federal, state, local or foreign statute or Law include any rules, regulations and delegated legislation issued thereunder. No summary of this Agreement prepared by either party shall affect the meaning or interpretation of this Agreement.

[Signature page follows.]

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the date first written above.

GREATBATCH LTD.

By: TIM McEVoy
Name: Timothy G. McEvoy
Title: Senior Vice President, General
Counsel & Secretary

GREATBATCH MEDICAL SA

By: TIM McEVoy
Name: Timothy G. McEvoy
Title: Chairman of the Board of Directors

LAKE REGION MEDICAL, INC.

By: TIM McEVoy
Name: Timothy G. McEvoy
Title: Senior Vice President, General
Counsel & Secretary

LAKE REGION MANUFACTURING, INC.

By: TIM McEVoy
Name: Timothy G. McEvoy
Title: Senior Vice President, General
Counsel & Secretary

BANDERA ACQUISITION, LLC

By: _____
Name: Anthony M. Gilarde, Jr.
Title: Chief Financial Officer

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the date first written above.

GREATBATCH LTD.

By: _____
Name:
Title:

GREATBATCH MEDICAL SA

By: _____
Name:
Title:

LAKE REGION MEDICAL, INC.

By: _____
Name:
Title:

LAKE REGION MANUFACTURING, INC.

By: _____
Name:
Title:

BANDERA ACQUISITION, LLC

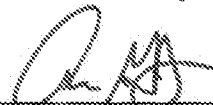
By:  _____
Name: Anthony M. Gilarde, Jr.
Title: Chief Financial Officer

EXHIBIT A

Website Content

Product Category Landing Page - <https://integer.net/product-line/advanced-surgical-orthopedics/> - (excluding the hero image of an Integer employee holding a reamer)

Arthroscopic Devices and Components – Market landing page – <https://integer.net/market/arthroscopic-devices-components/>

Related product pages:

- Shavers and Burrs- <https://integer.net/product/shavers-and-burrs/>
- Soft Tissue Ablation - <https://integer.net/product/soft-tissue-ablation/>
- Anchor Systems - <https://integer.net/product/anchor-systems/>

Laparoscopic and General Surgery – Market landing page - <https://integer.net/market/laparoscopic-general-surgery/>

Related product pages:

- Energy-based devices - <https://integer.net/product/energy-based-devices/>
- Access instruments - <https://integer.net/product/access-instruments/>
- Endomechanical - <https://integer.net/product/endomechanical/>
- Imaging Scopes - <https://integer.net/product/imaging-scopes/>
- Ophthalmic Devices - <https://integer.net/product/ophthalmic-devices/>

Biopsy & Drug Delivery – Market landing page - <https://integer.net/market/biopsy-drug-delivery/>

Related product pages:

- Biopsy Forceps - <https://integer.net/product/biopsy-forceps-components/>
- Breast biopsy - <https://integer.net/product/breast-biopsy/>
- Drug-delivery devices - <https://integer.net/product/drug-delivery-devices/>

Orthopedics – Market landing page - <https://integer.net/market/orthopedic/>

Related product pages:

- Joints - <https://integer.net/product/joint-reconstruction-implants/>
- Extremity - <https://integer.net/product/extremity/>
- Spine - <https://integer.net/product/spine/>
- Trauma - <https://integer.net/product/trauma/>
- Case & Tray Delivery Systems - <https://integer.net/product/cases-trays-delivery-systems/>

For the avoidance of doubt, (i) the Power Solutions market landing page located at <https://integer.net/market/power-solutions/> and all related product pages are excluded and (ii) the first portion of each content page listed above related to services offered and provided by Integer are excluded.

For the avoidance of doubt, the content set forth on the website page that relates to each URL listed above is being transferred hereunder. The URLs themselves are not being transferred hereunder.

EXHIBIT B

Issued Patents and Pending Patent Applications

1. U.S. Issued Patents of the AS&O Business:

RECORD HOLDER	FILE NUMBER	MATTER TYPE	TITLE	COUNTRY	APPLICATION NUMBER	STATUS	PATENT NUMBER	GRANT DATE
Dr. Chana (under license agreement)	ORTH- CHANA-0018	Utility - CON	SURGICAL DEVICES AND METHODS OF USE	US	12695570	Issued	8282639	Oct 9, 2012
Greatbatch Medical SA	ORTH-EXT- 0006	Utility - ORG	BONE PLATE ASSEMBLY	US	12775074	Issued	8337535	Dec 25, 2012
Greatbatch Ltd.	ORTH-BUFF- 0036	Utility - ORG	DISPOSABLE CYLINDRICAL CUTTER	US	13112084	Issued	8876825	Nov 4, 2014
Greatbatch Ltd.	ORTH-BUFF- 0037	Utility - ORG	DISPOSABLE FLEX REAMER	US	12961565	Issued	8454608	Jun 4, 2013
Greatbatch Ltd.	ORTH-BUFF- 0073	Utility - ORG	DISPOSABLE SURGICAL CUTTER FOR SHAPING THE HEAD OF A FEMUR	US	13157350	Issued	9101370	Aug 11, 2015
Greatbatch Ltd.	ORTH-BUFF- 0085	Utility - ORG	DISPOSABLE SURGICAL HEMISPHERICAL CUTTER FOR CONVEX AND CONCAVE SURFACES	US	13355973	Issued	9011442	Apr 21, 2015
Greatbatch Ltd.	ORTH-BUFF- 0087	Utility - ORG	Disposable surgical hemispherical cutter for convex and concave surfaces	US	13356034	Issued	9107677	Aug 18, 2015
Greatbatch Ltd.	ORTH-BUFF- 0110	Utility - DIV	DISPOSABLE CYLINDRICAL CUTTER	US	14337498	Issued	9282978	Mar 15, 2016
Greatbatch Ltd.	ORTH-BUFF- 0114	Utility - ORG	TILTED BLADE HEMISPHERICAL BONE CUTTER	US	14188515	Issued	9125670	Sep 8, 2015
Greatbatch Ltd.	ORTH-BUFF- 0117	Utility - ORG	INSTRUMENT FOR RESHAPING THE HEAD OF A FEMUR	US	14252572	Issued	9820757	Nov 21, 2017
Greatbatch Ltd.	ORTH-CMP- 0055	Utility - DIV	STACKABLE STORAGE CONTAINERS WITH CONNECTING LATCHES	US	12960600	Issued	8733570	May 27, 2014
Greatbatch Ltd.	ORTH-EXT- 0054	Utility - ORG	DISPOSABLE NEUCLEOTOMY SHAVER	US	13015714	Issued	8465490	Jun 18, 2013
Greatbatch Ltd.	ORTH-EXT- 0058	Utility - ORG	DISPOSABLE REAMER	US	13025244	Issued	8435243	May 7, 2013
Greatbatch Ltd.	ORTH-IND- 0033	Design - ORG	Femoral neck elevator	US	29398338	Issued	D658285	Apr 24, 2012
Greatbatch Ltd.	ORTH-IND- 0034	Design - ORG	DOUBLE ENDED RETRACTOR	US	29398354	Issued	D658286	Apr 24, 2012
Greatbatch Ltd.	ORTH-IND- 0035	Design - ORG	INFERIOR ACETABULAR/PIRIFORMIS RETRACTOR	US	29398357	Issued	D658287	Apr 24, 2012
Greatbatch Ltd.	ORTH-IND- 0048	Design - ORG	ANTERIOR RETRACTOR	US	29398361	Issued	D658288	Apr 24, 2012

Greatbatch Ltd.	ORTH-IND-0049	Design - ORG	SECONDARY ANTERIOR RETRACTOR	US	29398367	Issued	D658289	Apr 24, 2012
Greatbatch Ltd.	ORTH-IND-0050	Design - ORG	POSTERIOR RETRACTOR	US	29398369	Issued	D658290	Apr 24, 2012
Greatbatch Ltd.	ORTH-IND-0076	Utility - ORG	ROCKER MECHANISM	US	13267049	Issued	8777953	Jul 15, 2014
Greatbatch Ltd.	ORTH-IND-0083	Utility - ORG	WEDGE-LOCK BRACKET FIXATION	US	13300696	Issued	8827088	Sep 9, 2014
Greatbatch Ltd.	ORTH-IND-0099	Design - ORG	SUPERIOR ACETABULAR RETRACTOR	US	29433339	Issued	D706924	Jun 10, 2014
Greatbatch Ltd.	ORTH-IND-0128	Utility - CON	RETRACTOR TOOLS FOR MINIMALLY INVASIVE HIP SURGERY	US	14662536	Issued	9622734	Apr 18, 2017
Greatbatch Ltd.	ORTH-SAND-0031	Utility - ORG	QUICK-LOAD CONNECTOR FOR A SURGICAL TOOL	US	13169742	Issued	8844942	Sep 30, 2014
Greatbatch Ltd.	ORTH-SAND-0044	Utility - ORG	TORQUE LIMITING MECHANISM WITH LOCK BUSHING	US	13224659	Issued	8714056	May 6, 2014
Greatbatch Ltd.	PRE-CMP-0009	Utility - ORG	CONNECTABLE INSTRUMENT TRAYS FOR CREATING A MODULAR CASE	US	11446613	Issued	7909191	Mar 22, 2011
Greatbatch Ltd.	PRE-CMP-0010	Utility - ORG	STACKABLE STORAGE CONTAINERS WITH CONNECTING LATCHES	US	11725533	Issued	7854340	Dec 21, 2010
Greatbatch Ltd.	PRE-CMP-0011	Utility - ORG	STACKABLE CONTAINMENT TRAYS AND CASES WITH SLIDE LATCHES	US	11725532	Issued	7905353	Mar 15, 2011
Greatbatch Ltd.	PRE-CMP-0222	Utility - ORG	CONTAINMENT CASE WITH LATCHING HANDLE	US	12029114	Issued	8668111	Mar 11, 2014
Greatbatch Ltd.	PRE-SA-0181	Utility - CIP	COUPLING DEVICE WITH CONFIGURABLE ACTUATOR	US	11384189	Issued	7926390	Apr 19, 2011
Greatbatch Medical SA	ORTH-SA-0005	Utility - CIP	ORTHOPAEDIC INSERTER USING A COLLET MECHANISM	US	12724505	Issued	8277457	Oct 2, 2012
Greatbatch Medical SA	ORTH-SA-0013	Utility - ORG	OFFSET CUP IMPACTOR WITH AN EXPANDABLE DOME FOR DOUBLE MOBILITY IMPLANTS	US	12694524	Issued	8398650	Mar 19, 2013
Greatbatch Medical SA	ORTH-SA-0015	Utility - NSPCT	CALIBRATED MECHANICAL ORTHOPEDIC DRIVER WITH WEAR COMPENSATED TORQUE LIMITING MECHANISM	US	12520023	Issued	8221431	Jul 17, 2012
Greatbatch Medical SA	ORTH-SA-0017	Utility - DIV	Inserter for minimally invasive joint surgery having an interchangeable prosthesis engaging piston	US	12685019	Issued	8236004	Aug 7, 2012
Greatbatch Medical SA	ORTH-SA-0021	Utility - ORG	DOUBLE OFFSET SURGICAL TOOL HANDLE ASSEMBLY TO PROVIDE GREATER OFFSET FROM THE CORONAL PLANE	US	13039427	Issued	8657833	Feb 25, 2014

Greatbatch Medical SA	ORTH-SA-0029	Utility - ORG	ANGLED REAMER SPINDLE FOR MINIMALLY INVASIVE HIP REPLACEMENT SURGERY	US	13032764	Issued	8475460	Jul 2, 2013
Greatbatch Medical SA	ORTH-SA-0032	Utility - ORG	STRAIGHT CUP IMPACTOR	US	13007735	Issued	9119731	Sep 1, 2015
Greatbatch Medical SA	ORTH-SA-0042	Utility - ORG	OFFSET CUP IMPACTOR WITH A GRASPING PLATE FOR DOUBLE MOBILITY IMPLANTS	US	13219767	Issued	8961528	Feb 24, 2015
Greatbatch Medical SA	ORTH-SA-0066	Utility - ORG	STRAIGHT CUP IMPACTOR WITH LEVER ARM	US	13351302	Issued	8585709	Nov 19, 2013
Greatbatch Medical SA	ORTH-SA-0068	Utility - DIV	ANGLED REAMER SPINDLE FOR MINIMALLY INVASIVE HIP REPLACEMENT SURGERY	US	13187924	Issued	8480674	Jul 9, 2013
Greatbatch Medical SA	ORTH-SA-0071	Utility - ORG	DOUBLE OFFSET SURGICAL TOOL HANDLE ASSEMBLY HAVING A LOCKING LINKAGE ALIGNED ALONG TWO DIFFERENT PLANES	US	13040309	Issued	8657834	Feb 25, 2014
Greatbatch Medical SA	ORTH-SA-0072	Utility - DIV	ACETABULAR REAMER	US	13084191	Issued	8784422	Jul 22, 2014
Greatbatch Medical SA	ORTH-SA-0082	Utility - ORG	CARBON REAMER HANDLE	US	13290202	Issued	9078672	Jul 14, 2015
Greatbatch Medical SA	ORTH-SA-0089	Design - ORG	REAMER WITH A CUTTING SURFACE AT THE ENDS OF THE CROSS-BAR	US	29419113	Issued	D686896	Jul 30, 2013
Greatbatch Medical SA	ORTH-SA-0090	Utility - ORG	STRAIGHT CUP IMPACTOR	US	13594922	Issued	8870886	Oct 28, 2014
Greatbatch Medical SA	ORTH-SA-0091	Utility - ORG	CERAMIC IMPLANT HOLDER	US	13625023	Issued	9028502	May 12, 2015
Greatbatch Medical SA	ORTH-SA-0107	Utility - CIP	ANGLED REAMER SPINDLE FOR MINIMALLY INVASIVE HIP REPLACEMENT SURGERY	US	13925914	Issued	8834471	Sep 16, 2014
Greatbatch Medical SA	ORTH-SA-0120	Utility - CON	ACETABULAR REAMER	US	14307536	Issued	9351740	May 31, 2016
Greatbatch Medical SA	ORTH-SA-0162	Utility - ORG	BROACH HANDLE WITH BIAS ATTACHMENT	US	15350410	Issued	9737314	Aug 22, 2017
Greatbatch Medical SA	ORTH-SAND-0026	Design - ORG	Ratcheting screwdriver thumb actuator	US	29342782	Issued	D622124	Aug 24, 2010
Greatbatch Medical SA	PRE-EXT-0248	Utility - ORG	POLYAXIAL INSERT FOR SURGICAL SCREWS	US	12587758	Issued	8784458	Jul 22, 2014
Greatbatch Medical SA	PRE-SA-0028	Utility - ORG	SURGICAL REAMER	US	09332461	Issued	6238398	May 29, 2001
Greatbatch Medical SA	PRE-SA-0033	Utility - ORG	SURGICAL REAMER	US	09414171	Issued	6129732	Oct 10, 2000
Greatbatch Medical SA	PRE-SA-0040	Utility - ORG	MILLING CUTTER AND CUTTER HOLDER	US	09735829	Issued	6506000	Jan 14, 2003
Greatbatch Medical SA	PRE-SA-0046	Utility - ORG	INSTRUMENT HOLDER FOR SURGICAL INSTRUMENT	US	09602341	Issued	6264647	Jul 24, 2001
Greatbatch Medical SA	PRE-SA-0047	Utility - CIP	SURGICAL INSTRUMENTATION SYSTEM	US	09902369	Issued	6540739	Apr 1, 2003

Greatbatch Medical SA	PRE-SA-0048	Utility - CIP	INSTRUMENT HOLDER FOR SURGICAL INSTRUMENT	US	10391464	Issued	7056317	Jun 6, 2006
Greatbatch Medical SA	PRE-SA-0049	Utility - CIP	HAND-HELD INSTRUMENT HOLDER FOR SURGICAL USE	US	10429897	Issued	7296804	Nov 20, 2007
Greatbatch Medical SA	PRE-SA-0050	Utility - CIP	DUAL REAMER HOLDER FOR SURGICAL USE	US	10441148	Issued	7115119	Oct 3, 2006
Greatbatch Medical SA	PRE-SA-0051	Utility - CIP	GUIDED REAMER SYSTEM FOR RESHAPING BONE	US	11117740	Issued	8057477	Nov 15, 2011
Greatbatch Medical SA	PRE-SA-0052	Utility - ORG	ACETABULAR REAMER	US	10266442	Issued	7922721	Apr 12, 2011
Greatbatch Medical SA	PRE-SA-0053	Utility - CIP	GUIDED REAMER SYSTEM FOR RESHAPING BONE	US	11617743	Issued	7918856	Apr 5, 2011
Greatbatch Medical SA	PRE-SA-0060	Utility - ORG	FLEXIBLE MEASUREMENT DEVICE	US	10060937	Issued	6729037	May 4, 2004
Greatbatch Medical SA	PRE-SA-0064	Utility - ORG	MODULAR TOOL CONNECTION ASSEMBLY	US	10073072	Issued	6669702	Dec 30, 2003
Greatbatch Medical SA	PRE-SA-0065	Utility - NSPCT	MODULAR TOOL CONNECTION ASSEMBLY	US	10467561	Issued	7150751	Dec 19, 2006
Greatbatch Medical SA	PRE-SA-0071	Utility - CIP	CONNECTOR FOR DOMED CUTTING TOOL	US	10359605	Issued	7048740	May 23, 2006
Greatbatch Medical SA	PRE-SA-0077	Utility - ORG	SURGICAL DRIVER	US	10141504	Issued	6994710	Feb 7, 2006
Greatbatch Medical SA	PRE-SA-0091	Utility - ORG	SURGICAL REAMER	US	10450771	Issued	7011662	Mar 14, 2006
Greatbatch Medical SA	PRE-SA-0096	Utility - CIP	TOOL BIT DRIVE SHAFT CONNECTION AND METHOD	US	10055806	Issued	6918913	Jul 19, 2005
Greatbatch Medical SA	PRE-SA-0103	Utility - NSPCT	CONTOURED REAMER TEETH	US	10500944	Issued	7850691	Dec 14, 2010
Greatbatch Medical SA	PRE-SA-0104	Utility - CON	CONTOURED REAMER TEETH	US	11935279	Issued	7901406	Mar 8, 2011
Greatbatch Medical SA	PRE-SA-0105	Utility - ORG	MINIMALLY INVASIVE SURGICAL REAMER AND CONNECTION	US	10510934	Issued	7850692	Dec 14, 2010
Greatbatch Medical SA	PRE-SA-0110	Utility - CON	MINIMALLY INVASIVE SURGICAL REAMER AND CONNECTION	US	11932645	Issued	7901405	Mar 8, 2011
Greatbatch Medical SA	PRE-SA-0115	Utility - ORG	REAMER SPINDLE FOR MINIMALLY INVASIVE JOINT SURGERY	US	10510384	Issued	7785329	Aug 31, 2010
Greatbatch Medical SA	PRE-SA-0116	Utility - CON	REAMER SPINDLE FOR MINIMALLY INVASIVE JOINT SURGERY	US	11123932	Issued	7637909	Dec 29, 2009
Greatbatch Medical SA	PRE-SA-0117	Utility - CON	REAMER SPINDLE FOR MINIMALLY INVASIVE JOINT SURGERY	US	11935198	Issued	7780669	Aug 24, 2010
Greatbatch Medical SA	PRE-SA-0120	Utility - CIP	HOLLOW SMALL DIAMETER TOOL HOLDER FOR SURGICAL USE	US	10901012	Issued	7229078	Jun 12, 2007
Greatbatch Medical SA	PRE-SA-0122	Utility - ORG	PIVOTING BONE REAMER FOR MINIMALLY INVASIVE JOINT SURGERY	US	10431908	Issued	7473254	Jan 6, 2009
Greatbatch Medical SA	PRE-SA-0126	Utility - ORG	INSET ACETABULAR REAMER COUPLING	US	10526683	Issued	7572259	Aug 11, 2009

Greatbatch Medical SA	PRE-SA-0128	Utility - ORG	FEMORAL BROACH WITH UNDERCUT TEETH	US	10670633	Issued	6932821	Aug 23, 2005
Greatbatch Medical SA	PRE-SA-0145	Utility - NSPCT	DETACHABLE SURGICAL RATCHET	US	10554044	Issued	7600451	Oct 13, 2009
Greatbatch Medical SA	PRE-SA-0150	Utility - CIP	REMOTE RELEASE INSTRUMENT HOLDER FOR SURGICAL USE	US	11006485	Issued	7326198	Feb 5, 2008
Greatbatch Medical SA	PRE-SA-0154	Utility - CIP	PRECISION SPINDLE INSTRUMENT HOLDER FOR SURGICAL INSTRUMENT	US	10595442	Issued	7955320	Jun 7, 2011
Greatbatch Medical SA	PRE-SA-0158	Utility - ORG	INSERTER FOR MINIMALLY INVASIVE JOINT SURGERY	US	11201270	Issued	7682363	Mar 23, 2010
Greatbatch Medical SA	PRE-SA-0166	Utility - ORG	INTELLIGENT IMPLEMENT HAVING METAL ENCASED PASSIVE RADIO FREQUENCY TRANSPONDER AND EXAMPLES OF USE	US	11577092	Issued	7819318	Oct 26, 2010
Greatbatch Medical SA	PRE-SA-0167	Utility - ORG	MINIMALLY INVASIVE COLLAPSIBLE SURGICAL REAMER	US	11380006	Issued	7608076	Oct 27, 2009
Greatbatch Medical SA	PRE-SA-0169	Utility - CON	GUIDED REAMER SYSTEM FOR RESHAPING BONE	US	11932988	Issued	8182486	May 22, 2012
Greatbatch Medical SA	PRE-SA-0176	Utility - ORG	SURGICAL TOOL HOLDER FOR FACILITATED STERILIZATION	US	11686490	Issued	7976548	Jul 12, 2011
Greatbatch Medical SA	PRE-SA-0178	Utility - CIP	CONTOURED REAMER TEETH AND METHOD OF MANUFACTURE	US	11257417	Issued	7909828	Mar 22, 2011
Greatbatch Medical SA	PRE-SA-0180	Utility - CIP	PRECISION ASSEMBLEABLE SURGICAL TOOL HANDLE WITH LIMITED-PLAY INTERCONNECT MECHANISM	US	11536792	Issued	7749227	Jul 6, 2010
Greatbatch Medical SA	PRE-SA-0182	Utility - ORG	MOUNTABLE TOP-LOADING SURGICAL RETRACTOR	US	11381153	Issued	7887481	Feb 15, 2011
Greatbatch Medical SA	PRE-SA-0185	Utility - CIP	INSTRUMENT HOLDER AND METHOD FOR A SURGICAL INSTRUMENT HAVING A PARK POSITION	US	11688199	Issued	7955323	Jun 7, 2011
Greatbatch Medical SA	PRE-SA-0189	Utility - CON	CONNECTOR FOR DOMED CUTTING TOOL	US	11386073	Issued	7588572	Sep 15, 2009
Greatbatch Medical SA	PRE-SA-0196	Utility - ORG	INSERTER FOR MINIMALLY INVASIVE JOINT SURGERY HAVING INTERCHANGEABLE THREAD	US	11741868	Issued	7857816	Dec 28, 2010
Greatbatch Medical SA	PRE-SA-0197	Utility - ORG	Surgical tool handle and disposable broach assembly	US	11764878	Issued	7922726	Apr 12, 2011
Greatbatch Medical SA	PRE-SA-0198	Utility - ORG	BONE CUTTING FIXTURE ASSEMBLY WITH GUIDE APPENDAGES	US	11617750	Issued	7967824	Jun 28, 2011

Greatbatch Medical SA	PRE-SA-0200	Utility - ORG	SURGICAL TOOL HOLDER AND SURGICAL TOOL	US	11962562	Issued	7988692	Aug 2, 2011
Greatbatch Medical SA	PRE-SA-0202	Utility - ORG	CALIBRATED MECHANICAL ORTHOPEDIC DRIVER WITH WEAR-COMPENSATED TORQUE-LIMITING MECHANISM	US	11958447	Issued	8475466	Jul 2, 2013
Greatbatch Medical SA	PRE-SA-0206	Utility - ORG	PROSTHESIS COMPONENT HOLDER ATTACHABLE TO AN INSERTER HANDLE	US	11954379	Issued	8236003	Aug 7, 2012
Greatbatch Medical SA	PRE-SA-0208	Utility - ORG	CUT OFF ACETABULAR REAMER	US	11964728	Issued	8052689	Nov 8, 2011
Greatbatch Medical SA	PRE-SA-0210	Utility - ORG	DISPOSABLE ACETABULAR REAMER FROM FLAT STOCK	US	11960754	Issued	8679124	Mar 25, 2014
Greatbatch Medical SA	PRE-SA-0212	Utility - CIP	STRESS INDUCED INTERPOSED CONNECTOR	US	09523719	Issued	6257593	Jul 10, 2001
Greatbatch Medical SA	PRE-SA-0214	Utility - CON	STRESS INDUCED CONNECTING ASSEMBLY	US	09860918	Issued	6513814	Feb 4, 2003
Greatbatch Medical SA	PRE-SA-0226	Utility - ORG	HOLDER FOR A SURGICAL REAMER AND SINGLE USE, FLAT REAMER	US	12026564	Issued	8491586	Jul 23, 2013
Greatbatch Medical SA	PRE-SA-0230	Utility - ORG	IN SITU PATELLAR FIXING SYSTEM	US	12040778	Issued	8147497	Apr 3, 2012
Greatbatch Medical SA	PRE-SA-0232	Utility - CIP	RESURFACING REAMER WITH CUTTING STRUTS	US	12139563	Issued	8075563	Dec 13, 2011
Greatbatch Medical SA	PRE-SA-0238	Utility - CIP	CONTOURED REAMER TEETH AND METHOD OF MANUFACTURE	US	12091298	Issued	7922722	Apr 12, 2011
Greatbatch Medical SA	PRE-SA-0246	Utility - ORG	RETRACTOR FOR MINIMALLY INVASIVE SURGERY	US	12247297	Issued	8251901	Aug 28, 2012
Greatbatch Medical SA	PRE-SA-0257	Utility - ORG	DYNAMIC INTERVERTEBRAL STABILIZATION SYSTEM	US	12297874	Issued	8088149	Jan 3, 2012
Lake Region Medical, Inc.	ACE-2.002.US	Utility - ORG	IMPLANTABLE MEDICAL DEVICE AND METHOD OF MOLDING	US	13296131	Issued	8565884	Oct 22, 2013
Lake Region Medical, Inc.	ACE-2.003.US	Utility - ORG	MATERIAL PROCESSING SYSTEMS	US	13039176	Issued	8840832	Sep 23, 2014
Lake Region Medical, Inc.	ACE-2.007.US	Utility - ORG	HIGH TORSIONAL DUCTILITY WIRE AND METHODS OF MAKING THE SAME	US	10446644	Issued	7015392	Mar 21, 2006
Lake Region Medical, Inc. ¹	ACE-2.009.US	Utility - ORG	METHOD AND APPARATUS FOR ELECTROPOLISHING METALLIC STENTS	US	11370642	Issued	7776189	Aug 17, 2010
Lake Region Medical, Inc.	ACE-GANZ-0001	Utility - NSPCT	PRESSURE FORMING OF METAL AND CERAMIC POWDERS	US	13695397	Issued	9789543	Oct 17, 2017
Lake Region Medical, Inc.	ACE-GANZ-0004	Utility - ORG	AIR EJECTOR FOR LATHE	US	14274492	Issued	9421613	Aug 23, 2016

¹ This patent is jointly owned by Lake Region Medical, Inc. and Abbott Laboratories. For clarity, the portion owned by Abbott Laboratories is not included in the Acquired Intellectual Property.

Lake Region Medical, Inc. ²	ACE-J&J-0008	Utility - NSPCT	METHOD OF MANUFACTURING A SURGICAL INSTRUMENT OR PROSTHESIS	US	14117121	Issued	9770855	Sep 26, 2017
Mira Precision Surgical Instruments, Inc. (under license agreement)	PRE-SA-0119	Utility - ORG	MINIMALLY INVASIVE COLLAPSIBLE SURGICAL REAMER	US	10902692	Issued	7632276	Dec 15, 2009
Greatbatch Medical SA	PRE-SOS-0139	Utility - ORG	Locking bone plate	US	10/551,295	Issued	7695472	Apr 13, 2010
Greatbatch Medical SA ³	PRE-NGD-0138	Utility - ORG	LOCKING BONE PLATE	US	10/809,034	Issued	7722653	May 25, 2010
Greatbatch Medical SA ⁴	PRE-NGD-0142	Utility - CON	LOCKING BONE PLATE	US	11/930,861	Issued	7740648	Jun 22, 2010
Greatbatch Medical SA ⁵	PRE-NGD-0191	Utility - CON	DEVICE AND TEMPLATE FOR CANINE HUMERAL SLIDE OSTEOTOMY	US	11/552,585	Issued	8080010	Dec 20, 2011
Greatbatch Medical SA ⁶	PRE-NGD-0205	Utility - CIP	LOCKING TRIPLE PELVIC OSTEOTOMY PLATE AND METHOD OF USE	US	11/930,242	Issued	7905883	Mar 15, 2011
Greatbatch Ltd.	PRE-SA-0181	Utility-CIP	COUPLING DEVICE WITH CONFIGURABLE ACTUATOR	US	11/384,189	Issued	7926390	Apr 19, 2011

2. Foreign Issued Patents of the AS&O Business:

RECORD HOLDER	FILE NUMBER	MATTER-SUB MATTER TYPE	COUNTRY NAME	TITLE	PATENT NUMBER	GRANT DATE	STATUS
Lake Region Manufacturing Inc.	ACE-2.010.PCT.EU.GB	Utility - EPPAT	United Kingdom	MEDICAL RETRIEVER DEVICE	1191887	Sep 22, 2004	Issued
Greatbatch Medical SA	PRE-SA-0092	Utility - EPPAT	United Kingdom	TOOL BIT DRIVE SHAFT CONNECTION	1441651	Aug 31, 2005	Issued

² This patent is jointly owned by Lake Region Medical, Inc. and Depuy Ireland Unlimited Company. For clarity, the portion owned by Depuy Ireland Unlimited Company is not included in the Acquired Intellectual Property.

³ This patent is jointly owned by Greatbatch Medical SA and New Generation Devices. For clarity, the portion owned by New Generation Devices is not included in the Acquired Intellectual Property.

⁴ This patent is jointly owned by Greatbatch Medical SA and New Generation Devices. For clarity, the portion owned by New Generation Devices is not included in the Acquired Intellectual Property.

⁵ This patent is jointly owned by Greatbatch Medical SA and New Generation Devices. For clarity, the portion owned by New Generation Devices is not included in the Acquired Intellectual Property.

⁶ This patent is jointly owned by Greatbatch Medical SA and New Generation Devices. For clarity, the portion owned by New Generation Devices is not included in the Acquired Intellectual Property.

Greatbatch Medical SA	PRE-SA-0045	Utility - EPPAT	United Kingdom	Tool holder for a surgical instrument	1129667	Mar 7, 2007	Issued
Greatbatch Medical SA	PRE-SA-0147	Utility - EPPAT	United Kingdom	DUAL REAMER HOLDER FOR SURGICAL USE	1624814	Oct 24, 2007	Issued
Greatbatch Medical SA	PRE-SA-0062	Utility - EPPAT	United Kingdom	MODULAR TOOL CONNECTION ASSEMBLY	1357841	Apr 16, 2008	Issued
Greatbatch Medical SA	PRE-SA-0156	Utility - EPPAT	United Kingdom	INSERTER FOR MINIMALLY INVASIVE JOINT SURGERY	1691733	Apr 23, 2008	Issued
Greatbatch Medical SA	PRE-SA-0174	Utility - EPPAT	United Kingdom	SURGICAL TOOL HOLDER FOR FACILITATED STERILIZATION	1833385	Aug 27, 2008	Issued
Greatbatch Medical SA	PRE-SA-0165	Utility - EPPAT	United Kingdom	INTELLIGENT IMPLEMENT HAVING METAL ENCASED PASSIVE RADIO FREQUENCY TRANSPONDER AND EXAMPLES OF USE	1846873	Mar 25, 2009	Issued
Greatbatch Medical SA	PRE-SA-0111	Utility - EPPAT	United Kingdom	REAMER SPINDLE FOR MINIMALLY INVASIVE JOINT SURGERY	1499248	Mar 10, 2010	Issued
Greatbatch Medical SA	PRE-SA-0258	Utility - EPPAT	United Kingdom	DYNAMIC INTERVERTEBRAL STABILIZATION SYSTEM	2015692	Oct 27, 2010	Issued
Greatbatch Ltd.	ORTH-WAR-0121	Utility - EPPAT	United Kingdom	CUSTOMIZABLE JOINT REPLACEMENT APPARATUS	2829238	Apr 6, 2016	Issued
Lake Region Manufacturing, Inc.	ACE-2.010.PCT.EU.CH	Utility - EPPAT	Switzerland	MEDICAL RETRIEVER DEVICE	1191887	Sep 22, 2004	Issued
Greatbatch Medical SA	PRE-SA-0092	Utility - EPPAT	Switzerland	TOOL BIT DRIVE SHAFT CONNECTION	1441651	Aug 31, 2005	Issued
Greatbatch Medical SA	PRE-SA-0045	Utility - EPPAT	Switzerland	Tool holder for a surgical instrument	1129667	Mar 7, 2007	Issued
Greatbatch Medical SA	PRE-SA-0062	Utility - EPPAT	Switzerland	MODULAR TOOL CONNECTION ASSEMBLY	1357841	Apr 16, 2008	Issued
Greatbatch Medical SA	PRE-SA-0156	Utility - EPPAT	Switzerland	INSERTER FOR MINIMALLY INVASIVE JOINT SURGERY	1691733	Apr 23, 2008	Issued
Greatbatch Medical SA	PRE-SA-0174	Utility - EPPAT	Switzerland	SURGICAL TOOL HOLDER FOR FACILITATED STERILIZATION	1833385	Aug 27, 2008	Issued
Greatbatch Medical SA	PRE-SA-0099	Utility - EPPAT	Switzerland	CONTOURED REAMER TEETH	1465534	Sep 17, 2008	Issued
Greatbatch Medical SA	PRE-SA-0111	Utility - EPPAT	Switzerland	REAMER SPINDLE FOR MINIMALLY INVASIVE JOINT SURGERY	1499248	Mar 10, 2010	Issued
Greatbatch Medical SA	PRE-SA-0258	Utility - EPPAT	Switzerland	DYNAMIC INTERVERTEBRAL STABILIZATION SYSTEM	2015692	Oct 27, 2010	Issued
Lake Region Manufacturing Inc.	ACE-2.010.PCT.EU.ES	Utility - EPPAT	Spain	MEDICAL RETRIEVER DEVICE	1191887	Sep 22, 2004	Issued
Lake Region Manufacturing Inc.	ACE-2.010.PCT.EU.NL	Utility - EPPAT	Netherlands	MEDICAL RETRIEVER DEVICE	1191887	Sep 22, 2004	Issued
Lake Region Manufacturing Inc.	ACE-2.010.PCT.EU.MC	Utility - EPPAT	Monaco	MEDICAL RETRIEVER DEVICE	1191887	Sep 22, 2004	Issued

Lake Region Manufacturing Inc.	ACE-2.010.PCT.EU.LU	Utility - EPPAT	Luxembourg	MEDICAL RETRIEVER DEVICE	1191887	Sep 22, 2004	Issued
Lake Region Manufacturing Inc.	ACE-2.010.PCT.EU.IT	Utility - EPPAT	Italy	MEDICAL RETRIEVER DEVICE	1191887	Sep 22, 2004	Issued
Lake Region Manufacturing Inc.	ACE-2.010.PCT.EU.IE	Utility - EPPAT	Ireland	MEDICAL RETRIEVER DEVICE	1191887	Sep 22, 2004	Issued
Lake Region Manufacturing Inc.	ACE-2.010.PCT.EU.DE	Utility - EPPAT	Germany	MEDICAL RETRIEVER DEVICE	60014082.2	Sep 22, 2004	Issued
Greatbatch Medical SA	PRE-SA-0092	Utility - EPPAT	Germany	TOOL BIT DRIVE SHAFT CONNECTION	60205934.8	Aug 31, 2005	Issued
Greatbatch Medical SA	PRE-SA-0045	Utility - EPPAT	Germany	Tool holder for a surgical instrument	60127011.8	Mar 7, 2007	Issued
Greatbatch Medical SA	PRE-SA-0156	Utility - EPPAT	Germany	INSERTER FOR MINIMALLY INVASIVE JOINT SURGERY	602004013 362.0	Apr 23, 2008	Issued
Greatbatch Medical SA	PRE-SA-0174	Utility - EPPAT	Germany	SURGICAL TOOL HOLDER FOR FACILITATED STERILIZATION	602005009 402.4	Aug 27, 2008	Issued
Greatbatch Medical SA	PRE-SA-0099	Utility - EPPAT	Germany	CONTOURED REAMER TEETH	60323599.9	Sep 17, 2008	Issued
Greatbatch Medical SA	PRE-SA-0165	Utility - EPPAT	Germany	INTELLIGENT IMPLEMENT HAVING METAL ENCASED PASSIVE RADIO FREQUENCY TRANSPONDER AND EXAMPLES OF USE	602005013 581.2	Mar 25, 2009	Issued
Greatbatch Medical SA	PRE-SA-0111	Utility - EPPAT	Germany	REAMER SPINDLE FOR MINIMALLY INVASIVE JOINT SURGERY	60331643.3	Mar 10, 2010	Issued
Greatbatch Medical SA	PRE-SA-0258	Utility - EPPAT	Germany	DYNAMIC INTERVERTEBRAL STABILIZATION SYSTEM	602007010 120.4	Oct 27, 2010	Issued
Greatbatch Medical SA	PRE-SA-0236	Utility - EPPAT	Germany	METHOD OF MAKING CONTOUR TEETH	602006019 976.7	Feb 2, 2011	Issued
Greatbatch Medical SA	ORTH-SA-0052	Utility - EPPAT	Germany	SURGICAL TOOL HOLDER AND SURGICAL TOOL	602007024 453.6	Aug 1, 2012	Issued
Greatbatch Medical SA	ORTH-EXT-0004	Utility - EPPAT	Germany	BONE PLATE ASSEMBLY	602010002 839.9	Sep 19, 2012	Issued
Greatbatch Medical SA	ORTH-SA-0070	Utility - EPPAT	Germany	Double offset surgical tool handle assembly to provide greater offset from the coronal plane	602011000 264.3	Sep 26, 2012	Issued
Lake Region Manufacturing Inc.	PRE-SA-0106	Utility - EPPAT	Germany	MINIMALLY INVASIVE SURGICAL REAMER AND CONNECTION	60244608.2	Mar 6, 2013	Issued
Greatbatch Medical SA	PRE-SA-0235	Utility - EPPAT	Germany	INSERTER FOR MINIMALLY INVASIVE JOINT SURGERY	602004041 533.2	Mar 27, 2013	Issued
Lake Region Medical Inc.	ACE-2.009.DE	Utility - EPPAT	Germany	METHOD AND APPARATUS FOR ELECTROPOLISHING METALLIC STENTS	602007031 998.6	Jul 31, 2013	Issued

Greatbatch Medical SA	ORTH-SA-0051	Utility - EPPAT	Germany	CALIBRATED MECHANICAL ORTHOPEDIC DRIVER WITH WEAR-COMPENSATED TORQUE-LIMITING MECHANISM	602007032 863.2	Sep 11, 2013	Issued
Greatbatch Ltd.	ORTH-EXT-0067	Utility - EPPAT	Germany	Disposable reamer	602011004 648.9	Jan 15, 2014	Issued
Greatbatch Medical SA	ORTH-SA-0079	Utility - EPPAT	Germany	OFFSET CUP IMPACTOR WITH A GRASPING PLATE FOR DOUBLE MOBILITY IMPLANTS	602011011 035.7	Nov 5, 2014	Issued
Greatbatch Ltd.	ORTH-SAND-0081	Utility - EPPAT	Germany	Torque limiting mechanism with locking bushing	602011017 024.4	Jun 10, 2015	Issued
Greatbatch Medical SA	ORTH-SA-0098	Utility - EPPAT	Germany	CERAMIC IMPLANT HOLDER	602012008 750.1	Jul 15, 2015	Issued
Greatbatch Medical SA	PRE-SA-0079	Utility - EPPAT	Germany	ACETABULAR REAMER W/ CUTTING RIM	60247316.0	Jul 15, 2015	Issued
Lake Region Manufacturing Inc.	LRM-GW-0106	Utility - EPPAT	Germany	GUIDEWIRE-STYLE PACING LEAD	602010027 060.2	Aug 26, 2015	Issued
Lake Region Manufacturing Inc.	LRM-GW-0106	Utility - EPPAT	Spain	GUIDEWIRE-STYLE PACING LEAD	2480282	Aug 26, 2015	Issued
Lake Region Manufacturing Inc.	LRM-GW-0106	Utility - EPPAT	France	GUIDEWIRE-STYLE PACING LEAD	2480282	Aug 26, 2015	Issued
Lake Region Manufacturing Inc.	LRM-GW-0106	Utility - EPPAT	United Kingdom	GUIDEWIRE-STYLE PACING LEAD	2480282	Aug 26, 2015	Issued
Lake Region Manufacturing Inc.	LRM-GW-0106	Utility - EPPAT	Ireland	GUIDEWIRE-STYLE PACING LEAD	2480282	Aug 26, 2015	Issued
Lake Region Manufacturing Inc.	LRM-GW-0106	Utility - EPPAT	Italy	GUIDEWIRE-STYLE PACING LEAD	502015000 06665	Aug 26, 2015	Issued
Greatbatch Medical SA	ORTH-SA-0084	Utility - EPPAT	Germany	STRAIGHT CUP IMPACTOR WITH LEVER ARM	602012011 699.4	Oct 21, 2015	Issued
Greatbatch Medical SA	ORTH-SA-0092-DE	Utility - EPPAT	Germany	STRAIGHT CUP IMPACTOR	602012015 598.1	Mar 16, 2016	Issued
Greatbatch Ltd.	ORTH-WAR-0121	Utility - EPPAT	Germany	CUSTOMIZABLE JOINT REPLACEMENT APPARATUS	602014001 390.2	Apr 6, 2016	Issued
Greatbatch Medical SA	ORTH-SA-0069	Utility - EPPAT	Germany	Double offset surgical tool handle assembly having a locking linkage aligned along two different planes	602011025 843.5	Apr 27, 2016	Issued
Greatbatch Ltd.	ORTH-BUFF-0074	Utility - EPPAT	Germany	DISPOSABLE CYLINDRICAL CUTTER	2387960	Aug 30, 2017	Issued
Greatbatch Ltd.	ORTH-BUFF-0086	Utility - EPPAT	Germany	DISPOSABLE SURGICAL HEMISPHERICAL CUTTER FOR CONVEX OR CONCAVE SURFACES	602012038 583.9	Oct 18, 2017	Issued
Lake Region Manufacturing Inc.	ACE-2.010.PCT.EU.FR	Utility - EPPAT	France	MEDICAL RETRIEVER DEVICE	1191887	Sep 22, 2004	Issued
Greatbatch Medical SA	PRE-SA-0092	Utility - EPPAT	France	TOOL BIT DRIVE SHAFT CONNECTION	1441651	Aug 31, 2005	Issued

Greatbatch Medical SA	PRE-SA-0045	Utility - EPPAT	France	Tool holder for a surgical instrument	1129667	Mar 7, 2007	Issued
Greatbatch Medical SA	PRE-SA-0062	Utility - EPPAT	France	MODULAR TOOL CONNECTION ASSEMBLY	1357841	Apr 16, 2008	Issued
Greatbatch Medical SA	PRE-SA-0156	Utility - EPPAT	France	INSERTER FOR MINIMALLY INVASIVE JOINT SURGERY	1691733	Apr 23, 2008	Issued
Greatbatch Medical SA	PRE-SA-0174	Utility - EPPAT	France	SURGICAL TOOL HOLDER FOR FACILITATED STERILIZATION	1833385	Aug 27, 2008	Issued
Greatbatch Medical SA	PRE-SA-0099	Utility - EPPAT	France	CONTOURED REAMER TEETH	1465534	Sep 17, 2008	Issued
Greatbatch Medical SA	PRE-SA-0165	Utility - EPPAT	France	INTELLIGENT IMPLEMENT HAVING METAL ENCASED PASSIVE RADIO FREQUENCY TRANSPONDER AND EXAMPLES OF USE	1846873	Mar 25, 2009	Issued
Greatbatch Medical SA	PRE-SA-0111	Utility - EPPAT	France	REAMER SPINDLE FOR MINIMALLY INVASIVE JOINT SURGERY	1499248	Mar 10, 2010	Issued
Greatbatch Medical SA	PRE-SA-0258	Utility - EPPAT	France	DYNAMIC INTERVERTEBRAL STABILIZATION SYSTEM	2015692	Oct 27, 2010	Issued
Greatbatch Medical SA	PRE-SA-0236	Utility - EPPAT	France	METHOD OF MAKING CONTOUR TEETH	1951131	Feb 2, 2011	Issued
Greatbatch Medical SA	ORTH-SA-0052	Utility - EPPAT	France	SURGICAL TOOL HOLDER AND SURGICAL TOOL	2120735	Aug 1, 2012	Issued
Greatbatch Medical SA	ORTH-EXT-0004	Utility - EPPAT	France	BONE PLATE ASSEMBLY	2248479	Sep 19, 2012	Issued
Greatbatch Medical SA	ORTH-SA-0070	Utility - EPPAT	France	Double offset surgical tool handle assembly to provide greater offset from the coronal plane	2363098	Sep 26, 2012	Issued
Lake Region Manufacturing Inc.	PRE-SA-0106	Utility - EPPAT	France	MINIMALLY INVASIVE SURGICAL REAMER AND CONNECTION	1494600	Mar 6, 2013	Issued
Greatbatch Medical SA	PRE-SA-0235	Utility - EPPAT	France	INSERTER FOR MINIMALLY INVASIVE JOINT SURGERY	2022449	Mar 27, 2013	Issued
Greatbatch Medical SA	ORTH-SA-0051	Utility - EPPAT	France	CALIBRATED MECHANICAL ORTHOPEDIC DRIVER WITH WEAR-COMPENSATED TORQUE-LIMITING MECHANISM	2097028	Sep 11, 2013	Issued
Greatbatch Ltd.	ORTH-EXT-0067	Utility - EPPAT	France	Disposable reamer	2359755	Jan 15, 2014	Issued
Greatbatch Medical SA	ORTH-SA-0079	Utility - EPPAT	France	OFFSET CUP IMPACTOR WITH A GRASPING PLATE FOR DOUBLE MOBILITY IMPLANTS	2422754	Nov 5, 2014	Issued
Greatbatch Ltd.	ORTH-SAND-0081	Utility - EPPAT	France	Torque limiting mechanism with locking bushing	2425935	Jun 10, 2015	Issued
Greatbatch Medical SA	ORTH-SA-0098	Utility - EPPAT	France	CERAMIC IMPLANT HOLDER	2572679	Jul 15, 2015	Issued

Greatbatch Medical SA	PRE-SA-0079	Utility - EPPAT	France	ACETABULAR REAMER	1434525	Jul 15, 2015	Issued
Greatbatch Medical SA	ORTH-SA-0084	Utility - EPPAT	France	STRAIGHT CUP IMPACTOR WITH LEVER ARM	2476397	Oct 21, 2015	Issued
Greatbatch Medical SA	ORTH-SA-0092-FR	Utility - EPPAT	France	STRAIGHT CUP IMPACTOR	2561835	Mar 16, 2016	Issued
Greatbatch Ltd.	ORTH-WAR-0121	Utility - EPPAT	France	CUSTOMIZABLE JOINT REPLACEMENT APPARATUS	2829238	Apr 6, 2016	Issued
Greatbatch Medical SA	ORTH-SA-0069	Utility - EPPAT	France	Double offset surgical tool handle assembly having a locking linkage aligned along two different planes	2363076	Apr 27, 2016	Issued
Greatbatch Ltd.	ORTH-BUFF-0074	Utility - EPPAT	France	DISPOSABLE CYLINDRICAL CUTTER	2387960	Aug 30, 2017	Issued
Greatbatch Ltd.	ORTH-BUFF-0086	Utility - EPPAT	France	DISPOSABLE SURGICAL HEMISPHERICAL CUTTER FOR CONVEX OR CONCAVE SURFACES	2478852	Oct 18, 2017	Issued
Lake Region Manufacturing Inc.	ACE-2.010.PCT.EU.BE	Utility - EPPAT	Belgium	MEDICAL RETRIEVER DEVICE	1191887	Sep 22, 2004	Issued
Lake Region Manufacturing Inc.	ACE-2.010.PCT.EU.AT	Utility - EPPAT	Austria	MEDICAL RETRIEVER DEVICE	1191887	Sep 22, 2004	Issued
Lake Region Medical Inc. ⁷	ACE-2.009.UK	Utility - NSPCT	United Kingdom	METHOD AND APPARATUS FOR ELECTROPOLISHING METALLIC STENTS	1991384	Jul 31, 2013	Issued
Lake Region Medical Inc.	ACE-2.009.CH	Utility - NSPCT	Switzerland	METHOD AND APPARATUS FOR ELECTROPOLISHING METALLIC STENTS	1991384	Jul 31, 2013	Issued
Greatbatch Medical SA	PRE-SA-0109	Utility - NSPCT	Republic of Korea	MIS ACETABULAR REAMER	0903826	Jun 12, 2009	Issued
Greatbatch Medical SA	PRE-SA-0102	Utility - NSPCT	Republic of Korea	CONTOURED REAMER TEETH	0958694	May 11, 2010	Issued
Greatbatch Medical SA	PRE-SA-0114	Utility - NSPCT	Republic of Korea	PRECIMED'S OFFSET ACETABULAR REAMER HANDLE	0965538	Jun 15, 2010	Issued
Greatbatch Medical SA	PRE-SA-0124	Utility - NSPCT	Republic of Korea	INSET REAMER COUPLING	1061532	Aug 26, 2011	Issued
Greatbatch Medical SA	PRE-SA-0149	Utility - NSPCT	Republic of Korea	SURGICAL TOOL HOLDER AND A TOOL KIT FOR SURGICAL USE	1117465	Feb 10, 2012	Issued
Dr Chana (under license agreement)	PRE-CHANA-0274	Utility - NSPCT	Japan	Improved surgical device and how to use them	4384498	Oct 2, 2009	Issued
Lake Region Medical Inc.	ACE-2.009.IE	Utility - NSPCT	Ireland	METHOD AND APPARATUS FOR ELECTROPOLISHING METALLIC STENTS	1991384	Jul 31, 2013	Issued

⁷ This patent is jointly owned by Lake Region Medical, Inc. and Abbott Laboratories. For clarity, the portion owned by Abbott Laboratories is not included in the Acquired Intellectual Property.

Lake Region Medical Inc.	ACE-2.009.FR	Utility - NSPCT	France	METHOD AND APPARATUS FOR ELECTROPOLISHING METALLIC STENTS	1991384	Jul 31, 2013	Issued
Greatbatch Medical SA	PRE-SA-0245	Utility - NSPCT	China	METHOD OF MAKING CONTOUR TEETH	200680046 696.5 101325917	Jul 6, 2011	Issued
Accellent Inc. (now known as Lake Region Medical, Inc.)	ACE-GANZ-0005	Utility - NSPCT	Canada	PRESSURE FORMING OF METAL AND CERAMIC POWDERS	2797936	Jun 28, 2016	Issued
Greatbatch Medical SA	PRE-SA-0039	Utility - ORG	United Kingdom	Milling cutter and cutter holder	2359508	Jul 23, 2003	Issued
Greatbatch Medical SA	PRE-SA-0059	Utility - ORG	United Kingdom	Flexible measurement device	2371868	Dec 3, 2003	Issued
Greatbatch Medical SA	PRE-SA-0075	Utility - ORG	United Kingdom	Surgical driver	2377641	Aug 18, 2004	Issued
Mira Precision Surgical Instruments, Inc. (under license agreement)	PRE-SA-0118	Utility - ORG	United Kingdom	Minimally invasive collapsible surgical reamer	2429163	May 6, 2009	Issued
	PRE-SA-0175	Utility - ORG	United Kingdom	Surgical tool holder for facultative sterilization	2437385	Aug 5, 2009	Issued
Greatbatch Medical SA	PRE-SA-0261	Utility - ORG	United Kingdom	HOLDER FOR A SURGICAL REAMER AND SINGLE USE FLAT REAMER	2446514	Jun 8, 2011	Issued
Greatbatch Medical SA	PRE-SA-0229	Utility - ORG	United Kingdom	PROSTHESIS COMPONENT HOLDER ATTACHABLE TO AN INSERTER HANDLE	2445087	Oct 19, 2011	Issued
Greatbatch Medical SA	PRE-SA-0034	Utility - ORG	Switzerland	Surgical burr.	692601	Aug 30, 2002	Issued
Greatbatch Medical SA	PRE-SA-0035	Utility - ORG	Switzerland	Tool provided with securement devices for mechanical pieces, devices at end of tool comprising ring-shaped throat in which is fitted ring of elastically deformable material extending slightly outside of throat	693373	Jul 15, 2003	Issued
Greatbatch Medical SA	PRE-SA-0038	Utility - ORG	Switzerland	Hand tool with universal joint transmission has spring-loaded stud interacting by friction with cylindrical surfaces of spider	693446	Aug 15, 2003	Issued
Greatbatch Medical SA	PRE-SA-0058	Utility - ORG	Switzerland	Flexible measurement device.	695118	Dec 15, 2005	Issued
Greatbatch Medical SA	PRE-SA-0073	Utility - ORG	Switzerland	O-RING GRIP	695658	Jul 31, 2006	Issued
Greatbatch Medical SA	PRE-SA-0121	Utility - ORG	Switzerland	Swivel bone cutter minimally invasive joint surgery.	697698	Jan 15, 2009	Issued
Greatbatch Medical SA	PRE-SA-0151	Utility - ORG	Switzerland	Instrument support for remote unlocking for surgical use.	698891	Nov 30, 2009	Issued

Greatbatch Medical SA	PRE-SA-0063	Utility - ORG	Republic of Korea	MODULAR TOOL CONNECTION ASSEMBLY	0797573	Jan 24, 2008	Issued
Dr Chana (under license agreement)	PRE-CHANA-0275	Utility - ORG	Republic of Korea	IMPROVED SURGICAL DEVICES AND METHODS OF USE	0964762	Jun 21, 2010	Issued
Greatbatch Medical SA	PRE-SA-0094	Utility - ORG	Japan	Drive shaft coupling device of the cutting tool	4162597	Aug 1, 2008	Issued
Greatbatch Medical SA	PRE-SA-0076	Utility - ORG	Japan	The inserting section which possesses	4213400	Nov 7, 2008	Issued
Greatbatch Medical SA	PRE-SA-0080	Utility - ORG	Japan	Bone cutting instrument	4312052	May 22, 2009	Issued
Greatbatch Medical SA	PRE-SA-0108	Utility - ORG	Japan	It is low, being the reamer for the invasive surgery and the reamer	4331001	Jun 26, 2009	Issued
Greatbatch Medical SA	PRE-SA-0113	Utility - ORG	Japan	It is low, the spindle section of the reamer for the surgery whose	4358102	Aug 14, 2009	Issued
Greatbatch Medical SA	PRE-SA-0101	Utility - ORG	Japan	Surgical reamer	4409292	Nov 20, 2009	Issued
Greatbatch Medical SA	PRE-SA-0148	Utility - ORG	Japan	DUAL REAMER HOLDER	4714689	Apr 1, 2011	Issued
Greatbatch Medical SA	PRE-SA-0237	Utility - ORG	Japan	METHOD OF MAKING CONTOUR TEETH	5308158	Jul 5, 2013	Issued
Greatbatch Medical SA	ORTH-SA-0053	Utility - ORG	Germany	DISPOSABLE ACETABULAR REAMER FROM FLAT STOCK	602007029 250.6	Mar 20, 2013	Issued
Greatbatch Medical SA	ORTH-BUFF-0075	Utility - ORG	Germany	DISPOSABLE SURGICAL CUTTER FOR SHAPING THE HEAD OF A FEMUR	602011035 637.2	Mar 8, 2017	Issued
Greatbatch Medical SA	ORTH-SA-0053	Utility - ORG	France	DISPOSABLE ACETABULAR REAMER FROM FLAT STOCK	2111168	Mar 20, 2013	Issued
Greatbatch Ltd.	ORTH-BUFF-0075	Utility - ORG	France	DISPOSABLE SURGICAL CUTTER FOR SHAPING THE HEAD OF A FEMUR	2394589	Mar 8, 2017	Issued
Greatbatch Medical SA	PRE-SA-0112	Utility - ORG	China	PRECIMED'S OFFSET ACETABULAR REAMER HANDLE	200380965 1 (1309349)	Apr 11, 2007	Issued
Dr Chana (under license agreement)	PRE-CHANA-0273	Utility - ORG	China	IMPROVED SURGICAL DEVICES AND METHODS OF USE	03806189.9	Jul 22, 2009	Issued
Greatbatch Medical SA	PRE-SA-0107	Utility - ORG	China	MIS ACETABULAR REAMER	02828994.3	Apr 14, 2010	Issued
Greatbatch Medical SA	PRE-SA-0146	Utility - ORG	China	DUAL REAMER HOLDER FOR SURGICAL USE	200480013 792.0	Apr 4, 2012	Issued
Greatbatch Medical SA	PRE-SA-0228	Utility - ORG	China	MODULAR CALCAR REAMER	200810092 068.1 (1230129)	Jul 17, 2013	Issued
Greatbatch Medical SA	PRE-NGD-0183	Utility - EPPAT	United Kingdom	Locking bone plate	1468655	May 21, 2008	Issued
Greatbatch Medical SA	PRE-NGD-0190	Utility - EPPAT	United Kingdom	Plate and Template for Canine Humeral Osetotomy	1779797	Jun 5, 2013	Issued

Greatbatch Medical SA	PRE-NGD-0190	Utility - EPPAT	Switzerland	Plate and Template for Canine Humeral Osetotomy	1779797	Jun 5, 2013	Issued
Greatbatch Medical SA	PRE-NGD-0190	Utility - EPPAT	Liechtenstein	Plate and Template for Canine Humeral Osetotomy	1779797	Jun 5, 2013	Issued
Greatbatch Medical SA	PRE-NGD-0190	Utility - EPPAT	Germany	Plate and Template for Canine Humeral Osetotomy	602006036 635.3	Jun 5, 2013	Issued
Greatbatch Medical SA	PRE-NGD-0190	Utility - EPPAT	France	Plate and Template for Canine Humeral Osetotomy	1779797	Jun 5, 2013	Issued
Greatbatch Medical SA	PRE-NGD-0129	Utility - ORG	Australia	Locking Bone Plate	200420124 1	Nov 26, 2009	Issued
Greatbatch Medical SA	PRE-SOS-0137	Utility - ORG	Republic of Korea	UCP K-9 LOCKING BONE PLATE	101104660	Jan 4, 2012	Issued
Greatbatch Medical SA	PRE-SOS-0136	Utility - ORG	Japan	Being the plate for fixing plate null	4427056	Dec 18, 2009	Issued
Greatbatch Medical SA	PRE-SOS-0135	Utility - ORG	India	UCP K-9 LOCKING BONE PLATE	228923	Feb 12, 2009	Issued
Greatbatch Medical SA	PRE-SOS-0131	Utility - ORG	China	UCP K-9 LOCKING BONE PLATE	200480008 171	May 26, 2010	Issued
Greatbatch Medical SA	ORTH-SA-0064	Utility – EPPAT	Germany	Straight acetabular cup impactor	2345392	May 9, 2018	Issued
Greatbatch Medical SA	ORTH-SA-0064	Utility – EPPAT	France	Straight acetabular cup impactor	2345392	May 9, 2018	Issued
Greatbatch Ltd.	ORTH-BUFF-0159	Utility – ORG	France	Bi-directional reamer assembly	3127494	June 27, 2018	Issued
Greatbatch Ltd.	ORTH-BUFF-0159	Utility – ORG	Germany	Bi-directional reamer assembly	3127494	June 27, 2018	Issued

3. Pending U.S. Patent Applications of the AS&O Business:

RECORD HOLDER	FILE NUMBER	MATTER-SUB MATTER TYPE	COUNTRY NAME	TITLE	APPLICATION NUMBER	DATE FILED	STATUS	INVENTORS
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Lake Region Manufacturing Inc.	LRM-TUBE-0167	Prov - ORG	US	MECHANICAL JOINING OF NITINOL TUBES TO TUBES OF OTHER ENGINEERING METALS	62/599,307	Dec 15, 2017	Pending	Mark W. Broadley, Michael D. Wood, Jim D. Cooney, Timothy Hoklas
Greatbatch Ltd.	ORTH-BUFF-0160	Prov - ORG	US	SINGLE PROCEDURE PATELLA REAMER	62/578,129	Oct 27, 2017	Pending	Gary C. Victor, Kari Lynne Anastasia, Curtis J. Schwartzkopf, Emily Brooks, Biswa P. Das
Greatbatch Ltd.	ORTH-BUFF-0161	Prov - ORG	US	STRIP REAMER	62/581,221	Nov 3, 2017	Pending	Kari Lynne Anastasia, Kari Ann Sausen
Greatbatch Ltd.	ORTH-BUFF-0171	Prov - ORG	US	USAGE INDICATOR FOR ACETABULAR REAMER AND METHODS OF MAKING THE SAME	62/572,089	Oct 13, 2017	Pending	Ashish Shah, Lasantha Viyannalage
Greatbatch Ltd.	ORTH-BUFF-0172	Prov - ORG	US	MULTITUDE OF METHODS FOR INDICATING OR DETERMINING WEAR OF ORTHOPEDIC BONE CUTTING INSTRUMENTS	62/577,984	Oct 27, 2017	Pending	Robert Shawn Johnson, Biswa P. Das, Holly Noelle Moschiano, Lasantha Viyannalage, Kari Lynne Anastasia, Gary C. Victor, Ashish Shah
Greatbatch Ltd.	ORTH-BUFF-0173	Prov - ORG	US	USAGE INDICATOR OF ORTHOPEDIC REAMER CUTTING HEADS BASED ON CENTRIFUGAL FORCE OR NUMBER OF ROTATIONS	62/596,493	Dec 8, 2017	Pending	Biswa P. Das, Lasantha Viyannalage
Greatbatch Ltd.	ORTH-BUFF-0175	Prov - ORG	US	METHOD OF CREATING NON-REFLECTIVE SURFACE ON THIN WALL STAINLESS STEEL SURGICAL INSTRUMENTS	62/565,643	Sep 29, 2017	Pending	Lasantha Viyannalage, Mark W. Broadley, Matthew R. Cyr, Ashish Shah
Greatbatch Ltd.	ORTH-BUFF-0180	Prov - ORG	US	THERMALLY SENSITIVE RETENTION MECHANISM FOR SINGLE USE ORTHOPEDIC CUTTING INSTRUMENTS	62/609,469	Dec 22, 2017	Pending	Mark T. Muffoletto, Kari Lynne Anastasia
Greatbatch Ltd.	ORTH-BUFF-0182	Prov - ORG	US	STRIP REAMER	62/581,208	Nov 3, 2017	Pending	Kari Lynne Anastasia, Kari Ann Sausen
Greatbatch Ltd.	ORTH-IND-0167	Utility - CON	US	RETRACTOR TOOLS FOR MINIMALLY INVASIVE HIP SURGERY	15/443,004	Feb 27, 2017	Pending	Chad E. Ryszkus, Douglas J. Roger, Jonathan P. Crandall
Accellent Inc. (now known as Lake Region Medical, Inc.)	ACE-GANZ-0002	Utility - DIV	US	MATERIAL PROCESSING SYSTEMS	14/491,831	Sep 19, 2014	Pending	Mark W. Broadley, James Alan Sago, John K. Eckert, Jeffrey M. Farina
Lake Region Medical Inc.	ACE-GANZ-0010	Utility - DIV	US	PRESSURE FORMING OF METAL AND CERAMIC POWDERS	15/730,802	Oct 12, 2017	Pending	Mark W. Broadley, James Alan Sago, Hao Chen, Edward J. Schweitzer, John K. Eckert, Jeffrey M. Farina
Greatbatch Medical SA	ORTH-SA-0134	Utility - DIV	US	CARBON REAMER HANDLE	14/798,747	Jul 14, 2015	Pending	Yann Rosse
Lake Region Manufacturing Inc.	LRM-TUBE-0155	Utility - ORG	US	COMPOSITE COLUMN FOR USE IN HIGH PRESSURE LIQUID CHROMATOGRAPHY	15/624,903	Jun 16, 2017	Pending	Mark W. Broadley, John K. Eckert
Greatbatch Ltd.	ORTH-BUFF-0127	Utility - ORG	US	BONE CUTTER FOR CREATING HEMISPHERICAL	14/665,897	Mar 23, 2015	Pending	Gary C. Victor

CAVITIES

Greatbatch Ltd.	ORTH-BUFF-0130	Utility - ORG	US	DISPOSABLE CUTTER ACETABULAR REAMER	14/746,386	Jun 22, 2015	Pending	Gary C. Victor, Sean P. Curry, Steven W. Winn
Greatbatch Ltd.	ORTH-BUFF-0146	Utility - ORG	US	TWO STAGE TORQUE LIMITER	15/131,167	Apr 18, 2016	Pending	Gary C. Victor, Neal N. Nesselbeck
Greatbatch Ltd.	ORTH-BUFF-0148	Utility - ORG	US	TORQUE LIMITER HAVING A LOBED SHAPED MECHANISM	15/168,271	May 31, 2016	Pending	Gary C. Victor, Kari Ann Sausen, Neal N. Nesselbeck
Greatbatch Ltd.	ORTH-BUFF-0158	Utility - ORG	US	BI-DIRECTIONAL REAMER ASSEMBLY	15/231,338	Aug 8, 2016	Pending	Kari Ann Sausen, Gary C. Victor
Greatbatch Ltd.	ORTH-BUFF-0163	Utility - ORG	US	MINIMALLY INVASIVE BONE SPARING ACETABULAR REAMER	15/375,699	Dec 12, 2016	Pending	Gary C. Victor
Greatbatch Ltd.	ORTH-BUFF-0165	Utility - ORG	US	CUTTING HEADS FOR INTRAMEDULLARY REAMERS	15/431,014	Feb 13, 2017	Pending	Gary C. Victor, Kari Ann Sausen, Curtis J. Schwartzkopf
Greatbatch Ltd.	ORTH-BUFF-0174	Utility - ORG	US	CUTTING HEAD FOR AN INTRAMEDULLARY REAMER	15/676,228	Aug 14, 2017	Pending	Gary C. Victor, Kari Ann Sausen, Jack T. Bryant
Greatbatch Ltd.	ORTH-BUFF-0178	Utility - ORG	US	SINGLE PROCEDURE INDICATORS	15/790,100	Oct 23, 2017	Pending	Biswa P. Das, Ashish Shah
Greatbatch Ltd.	ORTH-CHM-0135	Utility - ORG	US	TAPER PROTECTION SYSTEM FOR ORTHOPEDIC IMPLANTS DURING POLISHING PHASES BY TRIBOFINISHING	14/853,571	Sep 14, 2015	Pending	Luc Vautrin
Greatbatch Ltd.	ORTH-IND-0133	Utility - ORG	US	SINGLE PROCEDURE TORQUE LIMITER	14/875,299	Oct 5, 2015	Pending	John William Adamiec
Greatbatch Ltd.	ORTH-IND-0149	Utility - ORG	US	HYBRID STRAIGHT CUP IMPACTOR	15/202,055	Jul 5, 2016	Pending	Jia Li, Kenton A. Walz, Jonathan P. Crandall, Matthew L. Mroczkowski
Greatbatch Ltd.	ORTH-IND-0150	Utility - ORG	US	REAMER HANDLE COUPLING	15/200,582	Jul 1, 2016	Pending	Jonathan P. Crandall, Jia Li, Kenton A. Walz, Paul Alejandro
Greatbatch Ltd.	ORTH-IND-0151	Utility - ORG	US	GRAPHENE-ENHANCED ORTHOPEDIC CUTTING INSTRUMENTS	15/201,835	Jul 5, 2016	Pending	Matthew L. Mroczkowski, Lasantha Viyannalage, Steven W. Winn
Greatbatch Ltd.	ORTH-IND-0170	Utility - ORG	US	MODULAR SCREW CADDY SYSTEM WITH DESCRIPTIVE LABELS	15/645,236	Jul 10, 2017	Pending	Kenneth Lewis Orr, Tyler P. Turk
Greatbatch Ltd.	ORTH-WAR-0118	Utility - ORG	US	CUSTOMIZABLE JOINT REPLACEMENT APPARATUS	14/332,481	Jul 16, 2014	Published	Daniel L. Anderson
Lake Region Manufacturing, Inc.	LRM-TUBE-0165	Prov- ORG	US	COMPOSITE TUBE WITH A SACRIFICIAL LAYER FOR VERY THIN WALL HEAT EXCHANGERS	62/679,082	Jun 1, 2018	Pending	Mark W. Broadley, John K. Eckert, Ben Manderachi, Dennis Wilman, Louis Loeper
Lake Region Manufacturing, Inc.	LRM-TUBE-0178	Prov - ORG	US	MECHANICAL JOINING OF NITINOL TUBES TO TUBES OF OTHER ENGINEERING MATERIALS	62/680,902	Jun 5, 2018	Pending	Mark W. Broadley, Michael D. Wood, Jim D. Cooney, Timothy Hoklas
Greatbatch Ltd.	ORTH-BUFF-0136	Prov - ORG	US	COLOR CHANGING MATERIALS AS INDICATOR FOR SINGLE PROCEDURE REAMERS	62/676,498	May 25, 2018	Pending	Biswa P. Das, Ashish Shah
Greatbatch Ltd.	ORTH-BUFF-0137	Prov - ORG	US	WATER SOLUBLE THIN FILMS AS INDICATOR FOR SINGLE PROCEDURE	62/676,475	May 25, 2018	Pending	Biswa P. Das, Ashish Shah

REAMERS

Greatbatch Ltd.	ORTH-BUFF-0140	Prov – ORG	US	WEAR INDICATOR FOR ACETABULAR REAMER	62/660,633	Apr 20, 2018	Pending	Lasantha Viyannalage, Ashish Shah
Greatbatch Ltd.	ORTH-BUFF-0141	Prov – ORG	US	WEAR INDICATOR FOR SURGICAL CUTTING TOOLS	62/666,812	May 4, 2018	Pending	Lasantha Viyannalage, Ashish Shah
Greatbatch Ltd.	ORTH-BUFF-0181	Utility - ORG	US	INTEGRAL INDICATORS FOR SINGLE-PROCEDURE DEVICES	15/886,894	Feb 2, 2018	Pending	
Provisionally Unassigned (Greatbatch Ltd.)	ORTH-BUFF-0179	Prov - ORG	US	THERAPEUTIC ADDITION TO ORTHOPAEDIC CUTTING DEVICE	62/634,397	Feb 23, 2018	Pending	
Provisionally Unassigned (Greatbatch Ltd.)	ORTH-BUFF-0184	Prov - ORG	US	EXPANDING IM REAMER CUTTING HEAD	62/639,053	Mar 6, 2018	Pending	
Lake Region Medical, Inc.	ACE-GANZ-0011	Utility - CON	US	MATERIAL PROCESSING SYSTEMS	15/927,495	Mar 21, 2018	Pending	

4. Pending Foreign Patent Applications of the AS&O Business:

RECORD HOLDER	FILE NUMBER	MATTER-SUB MATTER TYPE	COUNTRY NAME	TITLE	APPLICATION NUMBER	DATE FILED	STATUS	INVENTORS
Greatbatch Ltd.	ORTH-BUFF-0177	Utility - DIV	European Patent Office	DISPOSABLE SURGICAL HEMISPHERICAL CUTTER FOR CONVEX OR CONCAVE SURFACES	17196295.4	Jan 23, 2012	Pending	Gary C. Victor
Greatbatch Ltd.	ORTH-BUFF-0176	Utility - ORG	PCT	CUTTING HEAD FOR AN INTRAMEDULLARY REAMER	PCT/US2017/046746	Aug 14, 2017	Pending	Gary C. Victor, Kari Ann Sausen, Jack T. Bryant
Greatbatch Medical SA	PRE-SA-0074	Utility - ORG	Germany	O-RING GRIP	10220190.0	May 6, 2002	Pending	Andre Lechot
Lake Region Medical, Inc.	ACE-GANZ-0006	Utility - ORG	France	IMPLANTABLE MEDICAL DEVICE AND METHOD OF MOLDING	1160373	Nov 15, 2011	Pending	Todd Garfield Sherva, Henri G. Asselin, Roger J. White, Brendan Arash Zarechian, Donald Eric Welling, Todd R. Beaupre, Christopher M. Haenisch
Lake Region Manufacturing Inc.	LRM-TUBE-0156	Utility - ORG	European Patent Office	COMPOSITE CHROMATOGRAPHY COLUMN TUBE	17176505.0	Jun 16, 2017	Pending	Mark W. Broadley, John K. Eckert
Greatbatch Ltd.	ORTH-BUFF-0057	Utility - ORG	European Patent Office	DISPOSABLE FLEX REAMER	10195161.4	Dec 15, 2010	Published	Gary C. Victor, Patrick M. White

Greatbatch Ltd.	ORTH-BUFF-0132	Utility - ORG	European Patent Office	DISPOSABLE CUTTER ACETABULAR REAMER	15173133.8	Jun 22, 2015	Published	Sean P. Curry, Gary C. Victor, Steven W. Winn
Greatbatch Ltd.	ORTH-BUFF-0147	Utility - ORG	European Patent Office	TWO STAGE TORQUE LIMITER	16165826.5	Apr 18, 2016	Pending	Gary C. Victor, Neal N. Nesselbeck
Greatbatch Ltd.	ORTH-BUFF-0152	Utility - ORG	European Patent Office	TORQUE LIMITER HAVING LOBED SHAPED MECHANISM	16171911.7	May 30, 2016	Pending	Kari Ann Sausen, Gary C. Victor, Neal N. Nesselbeck
Greatbatch Ltd.	ORTH-BUFF-0164	Utility - ORG	European Patent Office	MINIMALLY INVASIVE BONE SPARING ACETABULAR REAMER	16203474.8	Dec 12, 2016	Pending	Gary C. Victor
Greatbatch Ltd.	ORTH-BUFF-0169	Utility - ORG	European Patent Office	CUTTING HEADS FOR INTRAMEDULLARY REAMERS	17155887.7	Feb 13, 2017	Pending	Gary C. Victor, Kari Ann Sausen, Curtis J. Schwartzkopf
Greatbatch Ltd.	ORTH-IND-0155	Utility - ORG	European Patent Office	REAMER HANDLE COUPLING	16177576.2	Jul 1, 2016	Pending	Jonathan P. Crandall, Jia Li, Kenton A. Walz, Paul Alejandro
Greatbatch Ltd.	ORTH-IND-0156	Utility - ORG	European Patent Office	HYBRID STRAIGHT CUP IMPACTOR	16177759.4	Jul 4, 2016	Pending	Jia Li, Kenton A. Walz, Jonathan P. Crandall, Matthew L. Mroczkowski
Greatbatch Ltd.	ORTH-IND-0157	Utility - ORG	European Patent Office	REAMER FOR CUTTING TISSUE	16177798.2	Jul 4, 2016	Pending	Matthew L. Mroczkowski, Lasantha Viyanalage, Steven W. Winn
Dr. Chana (under license agreement)	PRE-CHANA-0241	Utility - ORG	European Patent Office	A DEVICE FOR HOLDING AND ROTATING AN ACETABULAR REAMER	03706689.1	Feb 7, 2003	Pending	GURSHARAN SINGH CHANA

EXHIBIT C

Trademark Registrations and Trademark Applications

Registered U.S. Trademarks									
COUNTRY	FILING BASIS	FILE NUMBER	TITLE/MARK	DATE FILED	REG. DATE	REG. NO.	CLASS		ENTITY (DIV./OWNER)
							INT.	US	
USA	ORG	<u>TM-US-0114</u>	COREGUARD	April 13, 2012	July 12, 2016	4998440	9	21, 23, 26, 36, 38	Greatbatch Ltd.
USA	ORG	<u>TM-US-0180</u>	BUILD-A DRIVER 2.0	June 30, 2015	April 4, 2017	5174021	40	100, 103, 106	Greatbatch Ltd.
							42	100, 101	
Pending U.S. Trademarks									
COUNTRY	FILING BASIS	FILE NUMBER	TITLE/MARK	DATE FILED	STATUS	SER. NO.	CLASS		ENTITY (DIV./OWNER)
							INT.	US	
USA	ORG	<u>TM-US-0191</u>	IMPRESSE	Jan 19, 2016	Allowed	86/879,872	10	26, 39, 44	Greatbatch Ltd.
USA	ORG	<u>TM-US-0193</u>	PRESTIGE	Jan 28, 2016	Pending	86/890,275	10	26, 39, 44	Greatbatch Ltd.
USA	ORG	<u>TM-US-0317</u>	AERO HEX	June 20, 2017	Allowed	87/497,371	6	2, 12, 13, 14, 23, 25, 50	Lake Region Medical, Inc.
USA	ORG	<u>TM-US-0318</u>	POWER HEX	June 21, 2017	Allowed	87/497,407	6		Lake Region Medical, Inc.
USA	ORG	<u>TM-US-0323</u>	STRESSLESS	May 11, 2018	Pending	87/917,130	40	100, 103, 106	Greatbatch Ltd.
USA	ORG	<u>TM-US-0324</u>	MATTETEX	May 11, 2018	Pending	87/917,168	40	100, 103, 106	Greatbatch Ltd.
Foreign Trademarks									
COUNTRY	FILING BASIS	FILE NUMBER	TITLE/MARK	DATE FILED	REG. DATE	REG. NO.	INT. CLASS	ENTITY (DIV.)	
CH	Contr. State	<u>TM-CH-0030</u>	EZ CLEAN	July 23, 2001	Dec 19, 2001	493161	10	Greatbatch Medical SA	
WIPO	MP	<u>TM-WO-0031</u>	EZ CLEAN	Jan 3, 2002	Jan 3, 2002	773198	10	Greatbatch Medical SA	
UK	MP	<u>TM-WO-0031</u>							
DE	MP	<u>TM-WO-0031</u>							
FR	MP	<u>TM-WO-0031</u>							
ES	MP	<u>TM-WO-0031</u>							
CN	MP	<u>TM-WO-0031</u>							
IT	MP	<u>TM-WO-0031</u>							
EU	ORG	<u>TM-EP-0192</u>	IMPRESSE	Jan 26, 2016	May 20, 2016	15038029	10	Greatbatch Ltd.	
CA	ORG	<u>TM-CA-0314</u>	UTI (Stylized) Design	March 23, 2001	July 16, 2004	TMA614966	35, 37, 38, 40	Lake Region Medical, Inc.	

EXHIBIT D

Chain of Title Updates Prior to the Effective Date

Patent
1. PRE-SA-0104 (7901406)
2. PRE-SA-0110 (7901405)
3. PRE-SA-0116 (7637909)
4. ACE-2.010.PCT.EU.GB (1191887)
5. PRE-SOS-0136 (Japan) (4427056)
6. PRE-SOS-0131 (China) (200480008171.3)
Trademark
1. Coreguard (4998440)
2. Build-A-Driver 2.0 (5174021)
3. Impresse (pending) (86/879,872)
4. Prestige (pending) (86/890,275)
5. Impresse (EU) (15038029)
6. UTI (Stylized) Design (CA) (TMA614966)