

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7272319

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TORNIER, INC.	05/21/2021
RECEIVING PARTY DATA	
Name:	HOWMEDICA OSTEONICS CORP.
Street Address:	325 CORPORATE DRIVE
City:	MAHWAH
State/Country:	NEW HAMPSHIRE
Postal Code:	07430
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17717253
CORRESPONDENCE DATA	
Fax Number:	(215)979-1020
<i>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.</i>	
Phone:	215-979-1255
Email:	wlcanzanese@duanemorris.com
Correspondent Name:	SAMUEL W. APICELLI
Address Line 1:	30 17TH SOUTH STREET
Address Line 2:	DUANE MORRIS LLP
Address Line 4:	PHILADELPHIA, PENNSYLVANIA 19103
ATTORNEY DOCKET NUMBER:	E3383-02872
NAME OF SUBMITTER:	SAMUEL W. APICELLI
SIGNATURE:	/Samuel W. Apicelli/
DATE SIGNED:	04/11/2022
Total Attachments: 28	
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CONFIRMATORY PATENT ASSIGNMENT

This Confirmatory Patent Assignment (this “Assignment”) is entered into as of the last date noted below, by and between **TORNIER, INC.**, a corporation organized and existing under the laws of the State of Delaware, having its principal place of business at 10801 Nesbitt Avenue South, Bloomington, Minnesota 55437, U.S.A. (the “Assignor”), and **HOWMEDICA OSTEONICS CORP.**, a corporation organized and existing under the laws of the State of New Jersey, having its principal place of business at 325 Corporate Drive, Mahwah, New Jersey 07430, U.S.A. (the “Assignee”). Assignor and Assignee are collectively referred to as the “Parties” and individually referred to as a “Party.”

WHEREAS, pursuant to an INTELLECTUAL PROPERTY TRANSFER AGREEMENT AND ASSIGNMENT OF THIRD PARTY AGREEMENTS dated April 30, 2021 (the “Prior Agreement”) which is governed by the laws of the State of Michigan, U.S.A., Assignor assigned, transferred and conveyed all of its right, title and interest in and to, inter alia, (i) all of the patents and patent applications identified on Schedule A of this Assignment (the “Patents”) to Assignee, (ii) the right, title and interest in and to any and all divisional, continuation, substitute or reissue applications pertaining to the Patents, (iii) patents applied for or granted worldwide pertaining to the Patents and (iv) the right to sue and collect past damages in connection with the Patents, in the United States and throughout the world (i-iv collectively referred to as the “Patent Rights”), and Assignee agreed to accept the Patent Rights.

NOW, THEREFORE, both parties specify the consideration money has been already paid at the time of the deed of assignment, and therefore they ask the fiscal registration of this deed at fixed tax, the receipt whereof is acknowledged, the Parties also acknowledge the receipt and exchange of other good and valuable consideration associated with the Prior Agreement, which has been kept confidential, the receipt and sufficiency of which is hereby acknowledged, and the Parties hereby agree as follows:

1. Pursuant to the above-noted Prior Agreement, Assignor herewith confirms that Assignor, as of April 30, 2021, has assigned, transferred, conveyed and set over to the Assignee, its successors and assigns, and Assignee accepted, and to the extent required herein, as of April 30, 2021, *nunc pro tunc*, Assignor hereby assigns, transfers, conveys and sets over to the Assignee, its successors and assigns, and Assignee hereby accepts, all right, title and interest, in the United States and throughout the world, in and to the Patent Rights, to have and to hold the same, unto Assignee for its own use and enjoyment and for the use and enjoyment of its successors and assigns, for the full term or terms of all such rights. The assignment of the Patents shall include the right to file domestic patent applications under the laws of the United States and all other countries that claim the benefit of any of the foregoing applications, and to file foreign patent applications in the name of the Assignee or its affiliates, wherever such right may be legally exercised, and all rights under any International Conventions for the Protection of Industrial Property, including the Paris Convention and the European Patent Convention and the corresponding rights to claim benefit from the priority of such applications.

2. Assignor hereby authorizes and requests the United States Commissioner of Patents, and the Patent Office officials in foreign countries as are duly authorized by the respective foreign patent laws to issue patents, to issue any and all patents within the Patent Rights to the Assignee as the owner thereof.

3. Assignor hereby agrees, without further consideration and without expense to the Assignor, to sign all documents and to perform all other lawful acts which the Assignee may reasonably request to make this Assignment of the Patent Rights fully effective.

4. This Assignment shall be binding upon, inure to the benefit of, and be enforceable by, the Parties and their respective successors and permitted assigns.

5. This Assignment shall be governed by and construed in accordance with the laws of the State of Michigan, U.S.A.

6. This Assignment may be executed and delivered (including electronically) in one or more counterparts, and by the Parties in separate counterparts, each of which when executed shall be deemed to be an original, but when taken together shall constitute one and the same agreement.

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IN WITNESS WHEREOF, Assignor and Assignee have caused this Assignment to be duly signed on its behalf.

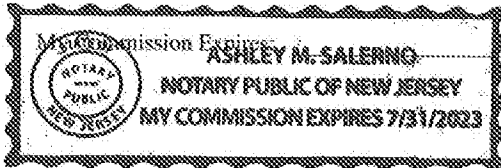
TORNIER, INC.
(ASSIGNOR)

[Signature]
Name: Robert J. Leonard, III
Title: IP Agent
21 MAY 2021
Date

STATE OF NEW JERSEY
COUNTY OF Passaic

The person whose name is subscribed to the accompanying instrument is personally known to me or has proved his/her identity to me on the basis of satisfactory evidence. On May 21, 2021, he/she appeared before me and acknowledged that he/she has read the accompanying instrument and knows the contents thereof, and that he/she executed the same as their free act and deed for the purposes set forth therein. If he/she is acting on behalf of an entity, he/she also acknowledged that he/she executed the accompanying instrument in his/her authorized capacity, and that by his/her signature on the instrument, the entity executed the same.

Ashley M. Salerno
Notary Signature
Ashley Salerno
Print Name



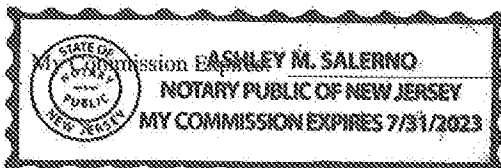
HOWMEDICA OSTEONICS CORP.
(ASSIGNEE)

[Signature]
Name: Robert J. Leonard, III
Title: IP Agent
21 MAY 2021
Date

STATE OF NEW JERSEY
COUNTY OF Passaic

The person whose name is subscribed to the accompanying instrument is personally known to me or has proved his/her identity to me on the basis of satisfactory evidence. On May 21, 2021, he/she appeared before me and acknowledged that he/she has read the accompanying instrument and knows the contents thereof, and that he/she executed the same as their free act and deed for the purposes set forth therein. If he/she is acting on behalf of an entity, he/she also acknowledged that he/she executed the accompanying instrument in his/her authorized capacity, and that by his/her signature on the instrument, the entity executed the same.

Ashley M. Salerno
Notary Signature
Ashley Salerno
Print Name



SCHEDULE A

COUNTRY	APPLICATION NO.	FILING DATE	PATENT NO.	GRANT DATE	TITLE
AU	9036798	Aug 27, 1998	737903	Sep 6, 2001	FUSED LOOP OF FILAMENTOUS MATERIAL AND APPARATUS FOR MAKING SAME
AU	202012001	Apr 1, 2020	202012001	Jul 21, 2020	REVERSE SHOULDER ARTICULAR BODIES
AU	202012002	Apr 1, 2020	202012002	Jul 21, 2020	HUMERAL IMPLANT
AU	202012006	Apr 1, 2020	202012006	Jul 16, 2020	HUMERAL IMPLANT
AU	202013880	Apr 1, 2020			HUMERAL IMPLANT
AU	202013927	Apr 1, 2020			HUMERAL IMPLANT
AU	202013934	Apr 1, 2020			REVERSE SHOULDER ARTICULAR BODIES
AU	202015351	Sep 29, 2020	202015351	Dec 22, 2020	HUMERAL IMPLANT
AU	202015898	Apr 1, 2020	202015898	Feb 23, 2021	REVERSE SHOULDER ARTICULAR BODIES
AU	202015902	Apr 1, 2020	202015902	Jan 4, 2021	REVERSE SHOULDER ARTICULAR BODIES
AU	202016978	Sep 29, 2020			HUMERAL IMPLANT
AU	202111937	Sep 29, 2020			HUMERAL IMPLANT
AU	202111938	Sep 29, 2020			HUMERAL IMPLANT
AU	202111947	Sep 29, 2020			HUMERAL IMPLANT
AU	2016371425	Nov 28, 2016			PATIENT SPECIFIC INSTRUMENTS AND METHODS FOR JOINT PROSTHESES
AU	2018249496	Apr 2, 2018			ELBOW JOINT PROSTHESES
AU	2019249112	Mar 27, 2019			MODULAR HUMERAL STEM WITH FINE ADJUSTMENT
AU	2019289077	Jun 13, 2019			NEURAL NETWORK FOR RECOMMENDATION OF SHOULDER SURGERY TYPE
AU	2019289081	Jun 13, 2019			MIXED REALITY-AIDED EDUCATION RELATED TO ORTHOPEDIC SURGICAL PROCEDURES
AU	2019289083	Jun 13, 2019			MIXED REALITY-AIDED SURGICAL ASSISTANCE IN ORTHOPEDIC SURGICAL PROCEDURES
AU	2019289084	Jun 13, 2019			VIRTUAL GUIDANCE FOR ORTHOPEDIC SURGICAL PROCEDURES
AU	2019289085	Jun 13, 2019			AUTOMATED INSTRUMENT OR COMPONENT ASSISTANCE USING MIXED REALITY IN ORTHOPEDIC SURGICAL PROCEDURES
AU	2019316645	Aug 9, 2019			GUIDES AND INSTRUMENTS FOR IMPROVING ACCURACY OF GLENOID IMPLANT PLACEMENT
AU	2019351889	Oct 1, 2019			MODULAR HUMERAL HEAD
AU	2019352591	Oct 1, 2019			SHOULDER PROSTHESIS COMPONENTS AND ASSEMBLIES
AU	2019354369	Oct 1, 2019			METAPHYSICAL REFERENCING TECHNIQUE AND INSTRUMENT
AU	2019354606	Sep 25, 2019			ELBOW JOINT PROSTHESES
BR	BR1120210063862	Sep 25, 2019			ELBOW JOINT PROSTHESES
BR	BR 30 2020 001494 4	Mar 31, 2020			HUMERAL IMPLANT

COUNTRY	APPLICATION NO.	FILING DATE	PATENT NO.	GRANT DATE	TITLE
BR	30 2020 001493 6	Mar 31, 2020			REVERSE SHOULDER ARTICULAR BODIES
BR	BR 30 2020 001492 8	Mar 31, 2020			HUMERAL IMPLANT
BR	BR 30 2020 004581 5	Sep 30, 2020			HUMERAL IMPLANT
CA	194237	Mar 31, 2020			REVERSE SHOULDER ARTICULAR BODIES
CA	194238	Mar 31, 2020			REVERSE SHOULDER ARTICULAR BODIES
CA	194245	Mar 31, 2020			HUMERAL IMPLANT
CA	194246	Mar 31, 2020			HUMERAL IMPLANT
CA	194247	Apr 1, 2020			HUMERAL IMPLANT
CA	198523	Sep 30, 2020			HUMERAL IMPLANT
CA	2,302,356	Aug 27, 1998	2302356	Apr 24, 2007	FUSED LOOP OF FILAMENTOUS MATERIAL AND APPARATUS FOR MAKING SAME
CA	3,007,082	Nov 28, 2016			PATIENT SPECIFIC INSTRUMENTS AND METHODS FOR JOINT PROSTHESIS
CA	3018789	Mar 21, 2017			SURGICAL INSTRUMENTATION ASSEMBLY, SET AND SURGICAL SHOULDER REPAIR METHOD
CA	3058924	Apr 2, 2018			ELBOW JOINT PROSTHESES
CA	3069517	Jul 10, 2018			GUIDES AND INSTRUMENTS FOR IMPROVING ACCURACY OF GLENOID IMPLANT PLACEMENT
CA	3072342	Aug 10, 2018			PATIENT SPECIFIC GLENOID BONE AUGMENT COMPONENTS AND METHODS OF MAKING AND USING THE SAME
CA	3076502	Sep 21, 2018			PATIENT SPECIFIC STEMLESS PROSTHESIS ANCHOR COMPONENTS
CA	3078249	Oct 10, 2018			HUMERAL FIXATION PLATE GUIDES
CA	3087066	Dec 28, 2018			PATIENT SPECIFIC HUMERAL IMPLANT COMPONENTS
CA	3089708	Feb 5, 2019			PATIENT-SPECIFIC BONE FRACTURE PROSTHESES AND METHODS OF MAKING THE SAME
CA	3095865	Mar 27, 2019			MODULAR HUMERAL STEM WITH FINE ADJUSTMENT
CA	3,113,833	Oct 1, 2019			METAPHYSEAL REFERENCING TECHNIQUE AND INSTRUMENT
CA	3114344	Sep 25, 2019			ELBOW JOINT PROSTHESES
CH	07701202.9	Jan 4, 2007	1986552	Jun 16, 2010	RING CINCH ASSEMBLY FOR ATTACHING TISSUE TO BONE WITH A SUTURE
CN	201880029429	Apr 2, 2018			ELBOW JOINT PROSTHESIS
CN	201980054163.9	Jun 13, 2019			MIXED-REALITY SURGICAL SYSTEM WITH PHYSICAL MARKERS FOR REGISTRATION OF VIRTUAL MODELS
CN	201980054165.8	Jun 13, 2019			MIXED REALITY-AIDED EDUCATION USING VIRTUAL MODELS OR VIRTUAL REPRESENTATIONS FOR ORTHOPEDIC SURGICAL PROCEDURES
CN	201980054178.5	Jun 13, 2019			VIRTUAL CHECKLISTS FOR ORTHOPEDIC SURGERY

COUNTRY	APPLICATION NO.	FILING DATE	PATENT NO.	GRANT DATE	TITLE
CN	201980054194.4	Jun 13, 2019			MULTI-USER COLLABORATION AND WORKFLOW TECHNIQUES FOR ORTHOPEDIC SURGICAL PROCEDURES USING MIXED REALITY
CN	201980054214.8	Jun 13, 2019			NEURAL NETWORK FOR DIAGNOSIS OF SHOULDER CONDITION
CN	202030120349.5	Apr 1, 2020	202030120349.5	Sep 15, 2020	REVERSE SHOULDER ARTICULAR BODIES
CN	202030120406.X	Apr 1, 2020	202030120406.X	Aug 25, 2020	HUMERAL IMPLANT
CN	202030582850.3	Sep 28, 2020			HUMERAL IMPLANT
CN	2020301204793.9	Apr 1, 2020	202030120479.9	Sep 15, 2020	HUMERAL IMPLANT
CN	2020305828433	Sep 28, 2020			HUMERAL IMPLANT
DE	07701202.9	Jan 4, 2007	602007007188.7	Jun 16, 2010	RING CINCH ASSEMBLY FOR ATTACHING TISSUE TO BONE WITH A SUTURE
DE	07717873.9	Jan 5, 2007	602007009185.3	Sep 15, 2010	FRACTURE FIXATION PLATE WITH COVER SHEATH
DE	07753578.9	Mar 21, 2007	602007059117.1	Aug 28, 2019	NON-SPHERICAL ARTICULATING SURFACES IN SHOULDER AND HIP PROSTHESES
DE	07753667.0	Mar 21, 2007	602007059424.3	Oct 30, 2019	FEMORAL AND HUMERAL STEM COMPONENTS SYSTEM FOR ORTHOPEDIC JOINT RECONSTRUCTION
DE	08798337.5	Aug 21, 2008	602008041884.7	Jan 6, 2016	BONE ANCHOR COMPRISING A SHAPE MEMORY ELEMENT
DE	10155440.0	Mar 4, 2010	602010029460.9	Dec 16, 2015	GLENOID IMPLANT ANCHOR POST
DE	10305513.3	May 17, 2010	602010008207.5	Jul 3, 2013	ENDOPROSTHETIC TEXTILE SCAFFOLD ESPECIALLY FOR REPAIRING ROTATOR CUFF TISSUE OF HUMAN SHOULDER
DE	10305866.5	Aug 6, 2010	602010044800.2	Aug 30, 2017	ARTHROSCOPIC DEVICE FOR CUTTING A SUTURE AND ARTHROSCOPIC SURGICAL KIT INCLUDING SUCH A DEVICE
DE	10782499.7	Nov 16, 2010	602010031465.0	Mar 23, 2016	BONE IMPLANT WITH CONVERTIBLE SUTURE ATTACHMENT
DE	11154626.3	Feb 16, 2011	602011011228.7	Nov 12, 2014	SUTURE IMPLANT
DE	11181936.3	Sep 20, 2011	EP2431008	Nov 30, 2016	IMPLANT POSITIONING SYSTEM
DE	12177013.5	Jul 19, 2012	602012005505.7	Mar 4, 2015	ANGULAR DEVICE FOR EXTRACTING A PROSTHESIS
DE	14827689.2	Dec 26, 2014	60 2014 070 066.7	Sep 9, 2020	REVERSE SHOULDER SYSTEMS
DE	14828635.4	Dec 26, 2014	60 2014 065 497.5	May 13, 2020	STEMLESS HUMERAL ANCHOR
DE	15161457.5	Mar 27, 2015	602015002591.1	May 10, 2017	ORTHOPEDIC DRIVER
DE	15161818.8	Mar 31, 2015	602015004371.5	Aug 30, 2017	DEVICE FOR REMOVING BONE FROM A GLENOID AND KIT INCLUDING SUCH A DEVICE
DE	16158615.1	Mar 4, 2016	602016006297.6	Oct 10, 2018	SURGICAL INSTRUMENTATION ASSEMBLY FOR POSITIONING AN ANKLE PROSTHESIS
DE	16161842.6	Mar 23, 2016	602016024516.7	Nov 20, 2019	GLENOID IMPLANT
DE	16708309.6	Feb 19, 2016	602016023728.8	Nov 6, 2019	MODULAR HUMERAL IMPLANT
DE	18720821.0	Apr 2, 2018	3606475	Jan 27, 2021	ELBOW JOINT PROSTHESES
EM	001252951	Dec 31, 2010	001252951-0001	Dec 31, 2010	PROSTHESIS ANCHOR (SIMPLICITD)
EM	001252951	Dec 31, 2010	001252951-0002	Dec 31, 2010	PROSTHESIS ANCHOR (SIMPLICITD)
EM	001252951	Dec 31, 2010	001252951-0003	Dec 31, 2010	PROSTHESIS ANCHOR (SIMPLICITD)

PATENT

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COUNTRY	APPLICATION NO.	FILING DATE	PATENT NO.	GRANT DATE	TITLE
EM	001252951	Dec 31, 2010	001252951-0004	Dec 31, 2010	PROSTHESIS ANCHOR (SIMPLICITD)
EM	001252951	Dec 31, 2010	001252951-0005	Dec 31, 2010	PROSTHESIS ANCHOR (SIMPLICITD)
EM	001252951	Dec 31, 2010	001252951-0006	Dec 31, 2010	PROSTHESIS ANCHOR (SIMPLICITD)
EM	001252951	Dec 31, 2010	001252951-0007	Dec 31, 2010	PROSTHESIS ANCHOR (SIMPLICITD)
EM	001252951	Dec 31, 2010	001252951-0008	Dec 31, 2010	PROSTHESIS ANCHOR (SIMPLICITD)
EM	00167254-0001	Feb 9, 2010	00167254-0001	Feb 9, 2010	PLATE (PROSTHETIC)
EM	007779046-0010	Mar 31, 2020	007779046-0010	May 27, 2020	HUMERAL IMPLANTS (PART OF-)
EM	007779046-0009	Mar 31, 2020	007779046-0009	May 27, 2020	HUMERAL IMPLANTS (PART OF-)
EM	007779046-0008	Mar 31, 2020	007779046-0008	May 27, 2020	HUMERAL IMPLANTS (PART OF-)
EM	007779046-0007	Mar 31, 2020	007779046-0007	May 27, 2020	HUMERAL IMPLANTS (PART OF-)
EM	007779046-0006	Mar 31, 2020	007779046-0006	May 27, 2020	HUMERAL IMPLANTS (PART OF-)
EM	007779046-0005	Mar 31, 2020	007779046-0005	May 27, 2020	HUMERAL IMPLANTS (PART OF-)
EM	007779046-0004	Mar 31, 2020	007779046-0004	May 27, 2020	HUMERAL IMPLANTS (PART OF-)
EM	007779046-0003	Mar 31, 2020	007779046-0003	May 27, 2020	HUMERAL IMPLANTS (PART OF-)
EM	007779046-0002	Mar 31, 2020	007779046-0002	May 27, 2020	HUMERAL IMPLANTS (PART OF-)
EM	007782628-0007	Mar 31, 2020	007782628-0007	Jun 22, 2020	IMPLANTS
EM	007782628-0006	Mar 31, 2020	007782628-0006	Jun 22, 2020	IMPLANTS
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EM	007782628-0003	Mar 31, 2020	007782628-0003	Jun 22, 2020	IMPLANTS
EM	007782628-0002	Mar 31, 2020	007782628-0002	Jun 22, 2020	IMPLANTS
EM	007782628-0001	Mar 31, 2020	007782628-0001	Jun 22, 2020	IMPLANTS
EM	007785647-0008	Apr 1, 2020	007785647-0008	May 27, 2020	REVERSE SHOULDER ARTICULAR BODY N°8
EM	007785647-0007	Apr 1, 2020	007785647-0007	May 27, 2020	REVERSE SHOULDER ARTICULAR BODY N°7
EM	007785647-0006	Apr 1, 2020	007785647-0006	May 27, 2020	REVERSE SHOULDER ARTICULAR BODY N°6
EM	007785647-0005	Apr 1, 2020	007785647-0005	May 27, 2020	REVERSE SHOULDER ARTICULAR BODY N°5
EM	007785647-0004	Apr 1, 2020	007785647-0004	May 27, 2020	REVERSE SHOULDER ARTICULAR BODY N°4
EM	007785647-0003	Apr 1, 2020	007785647-0003	May 27, 2020	REVERSE SHOULDER ARTICULAR BODY N°3
EM	007785647-0002	Apr 1, 2020	007785647-0002	May 27, 2020	REVERSE SHOULDER ARTICULAR BODY N°2
EM	007785647-0001	Apr 1, 2020	007785647-0001	May 27, 2020	REVERSE SHOULDER ARTICULAR BODY N°1
EM	008191340-0013	Sep 29, 2020	008191340-0013	Nov 26, 2020	HUMERAL IMPLANT
EM	008191340-0012	Sep 29, 2020	008191340-0012	Nov 26, 2020	HUMERAL IMPLANT
EM	008191340-0011	Sep 29, 2020	008191340-0011	Nov 26, 2020	HUMERAL IMPLANT
EM	008191340-0010	Sep 29, 2020	008191340-0010	Nov 26, 2020	HUMERAL IMPLANT
EM	008191340-0009	Sep 29, 2020	008191340-0009	Nov 26, 2020	HUMERAL IMPLANT
EM	008191340-0008	Sep 29, 2020	008191340-0008	Nov 26, 2020	HUMERAL IMPLANT
EM	008191340-0007	Sep 29, 2020	008191340-0007	Nov 26, 2020	HUMERAL IMPLANT
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EM	008191340-0003	Sep 29, 2020	008191340-0003	Nov 26, 2020	HUMERAL IMPLANT

COUNTRY	APPLICATION NO.	FILING DATE	PATENT NO.	GRANT DATE	TITLE
EM	008191340-0002	Sep 29, 2020	008191340-0002	Nov 26, 2020	HUMERAL IMPLANT
EM	008191340-0001	Sep 29, 2020	008191340-0001	Nov 26, 2020	HUMERAL IMPLANT
EP	07753578.9	Mar 21, 2007	1 996 123	Aug 28, 2019	NON-SPHERICAL ARTICULATING SURFACES IN SHOULDER AND HIP PROSTHESIS
EP	07753628.2	Mar 21, 2007	1996125	May 15, 2013	GLENOID COMPONENT WITH IMPROVED FIXATION STABILITY
EP	07753667.0	Mar 21, 2007	1996124	Oct 30, 2019	FEMORAL AND HUMERAL STEM COMPONENTS SYSTEM FOR ORTHOPEDIC JOINT RECONSTRUCTION
EP	08726423.0	Mar 5, 2008			TACK ANCHOR SYSTEMS, BONE ANCHOR SYSTEMS, AND METHOD OF USE
EP	10155440.0	Mar 4, 2010	2238949	Dec 16, 2015	GLENOID IMPLANT ANCHOR POST
EP	10305513.3	May 17, 2010	2387970	Jul 3, 2013	ENDOPROSTHETIC TEXTILE SCAFFOLD ESPECIALLY FOR REPAIRING ROTATOR CUFF TISSUE OF HUMAN SHOULDER
EP	10305866.5	Aug 6, 2010	2415404	Aug 30, 2017	ARTHROSCOPIC DEVICE FOR CUTTING A SUTURE AND ARTHROSCOPIC SURGICAL KIT INCLUDING SUCH A DEVICE
EP	10782499.7	Nov 16, 2010	2501299	Mar 23, 2016	BONE IMPLANT WITH CONVERTIBLE SUTURE ATTACHMENT
EP	11154626.3	Feb 16, 2011	2363078	Nov 12, 2014	SUTURE IMPLANT
EP	11181936.3	Sep 20, 2011	2431008	Nov 30, 2016	IMPLANT POSITIONING SYSTEM
EP	11182211.0	Sep 21, 2011			SYSTEM FOR BONE ANCHOR INSERTER DEPTH INDICATION
EP	12177013.5	Jul 19, 2012	2548535	Mar 4, 2015	ANCLLARY DEVICE FOR EXTRACTING A PROSTHESIS
EP	14827689.2	Dec 26, 2014	3089709	Sep 9, 2020	REVERSE SHOULDER SYSTEMS
EP	14828635.4	Dec 26, 2014	3096714	May 13, 2020	STEMLESS HUMERAL ANCHOR
EP	14872791.0	Nov 26, 2014			HIGH-STRENGTH BIOABSORBABLE SUTURE
EP	15161457.5	Mar 27, 2015	2962649	May 10, 2017	ORTHOPEDIC DRIVER
EP	15161818.8	Mar 31, 2015	2962650	Aug 30, 2017	DEVICE FOR REMOVING BONE FROM A GLENOID AND KIT INCLUDING SUCH A DEVICE
EP	16158615.1	Mar 4, 2016	3064155	Oct 10, 2018	SURGICAL INSTRUMENTATION ASSEMBLY FOR POSITIONING AN ANKLE PROSTHESIS
EP	16161842.6	Mar 23, 2016	3090705	Nov 20, 2019	GLENOID IMPLANT
EP	16179642.0	Jul 15, 2016			HUMERAL IMPLANT ANCHOR SYSTEM
EP	16708309.6	Feb 19, 2016	3273914	Nov 6, 2019	MODULAR HUMERAL IMPLANT
EP	16732095.1	Jun 8, 2016			REVERSE SHOULDER SYSTEMS
EP	16820387.5	Nov 28, 2016			PATIENT SPECIFIC INSTRUMENTS AND METHODS FOR JOINT PROSTHESIS
EP	17188136.0	Mar 31, 2015			DEVICE FOR REMOVING BONE FROM A GLENOID AND SYSTEM COMPRISING SUCH A DEVICE
EP	17770941.7	Mar 21, 2017			SURGICAL INSTRUMENTATION ASSEMBLY, SET AND SURGICAL SHOULDER REPAIR METHOD

PATENT

REEL: 059659 FRAME: 0890

COUNTRY	APPLICATION NO.	FILING DATE	PATENT NO.	GRANT DATE	TITLE
EP	18196933.8	Mar 4, 2016			SURGICAL INSTRUMENTATION ASSEMBLY FOR POSITIONING AN ANKLE PROSTHESIS
EP	18719355.2	Mar 28, 2018			MODULAR HUMERAL HEAD
EP	18720821.0	Apr 2, 2018	3606475	Jan 27, 2021	ELBOW JOINT PROSTHESES
EP	18746502.6	Jul 10, 2018			GUIDES AND INSTRUMENTS FOR IMPROVING ACCURACY OF GLENOID IMPLANT PLACEMENT
EP	18746503.4	Jul 10, 2018			PATIENT SPECIFIC HUMERAL CUTTING GUIDES
EP	18760194.3	Aug 10, 2018			PATIENT SPECIFIC GLENOID BONE AUGMENT COMPONENTS AND METHODS OF MAKING AND USING THE SAME
EP	18786517.5	Sep 21, 2018			PATIENT SPECIFIC STEMLESS PROSTHESIS ANCHOR COMPONENTS
EP	18803804.6	Oct 10, 2018			HUMERAL FIXATION PLATE GUIDES
EP	18837131.4	Dec 28, 2018			PATIENT SPECIFIC HUMERAL IMPLANT COMPONENTS
EP	19205625.7	Mar 21, 2007			FEMORAL AND HUMERAL STEM COMPONENTS SYSTEM FOR ORTHOPEDIC JOINT RECONSTRUCTION
EP	19209370.6	Mar 23, 2016			GLENOID IMPLANT
EP	19717067.3	Mar 27, 2019			MODULAR HUMERAL STEM WITH FINE ADJUSTMENT
EP	19734626.5	Jun 13, 2019			NEURAL NETWORK FOR DIAGNOSIS OF SHOULDER CONDITION
EP	19734628.1	Jun 13, 2019			MIXED REALITY-AIDED DEPTH TRACKING IN ORTHOPEDIC SURGICAL PROCEDURES
EP	19734629.9	Jun 13, 2019			VISUALIZATION OF INTRAOPERATIVELY MODIFIED SURGICAL PLANS
EP	19735018.4	Jun 13, 2019			MIXED REALITY-AIDED EDUCATION RELATED TO ORTHOPEDIC SURGICAL PROCEDURES
EP	19735021.8	Jun 13, 2019			MIXED REALITY-AIDED SURGICAL ASSISTANCE IN ORTHOPEDIC SURGICAL PROCEDURES
EP	19735022.6	Jun 13, 2019			VIRTUAL GUIDANCE FOR ORTHOPEDIC SURGICAL PROCEDURES
EP	19735025.9	Jun 13, 2019			MIXED REALITY-AIDED EDUCATION USING VIRTUAL MODELS OR VIRTUAL REPRESENTATIONS FOR ORTHOPEDIC SURGICAL PROCEDURES
EP	19736869.9	Jun 13, 2019			NEURAL NETWORK FOR RECOMMENDATION OF SHOULDER SURGERY TYPE
EP	19739754.0	Jun 13, 2019			EXTENDED REALITY VISUALIZATION OF RANGE OF MOTION
EP	19739755.7	Jun 13, 2019			AUTOMATED INSTRUMENT OR COMPONENT ASSISTANCE USING MIXED REALITY IN ORTHOPEDIC SURGICAL PROCEDURES
EP	19739756.5	Jun 13, 2019			CLOSED-LOOP TOOL CONTROL FOR ORTHOPEDIC SURGICAL PROCEDURES

PATENT

REEL: 059659 FRAME: 0891

COUNTRY	APPLICATION NO.	FILING DATE	PATENT NO.	GRANT DATE	TITLE
EP	19742097.9	Jun 13, 2019			MIXED-REALITY SURGICAL SYSTEM WITH PHYSICAL MARKERS FOR REGISTRATION OF VIRTUAL MODELS
EP	19742098.7	Jun 13, 2019			VIRTUAL GUIDANCE FOR ANKLE SURGERY PROCEDURES
EP	19742099.5	Jun 13, 2019			VIRTUAL CHECKLISTS FOR ORTHOPEDIC SURGERY
EP	19742100.1	Jun 13, 2019			MULTI-USER COLLABORATION AND WORKFLOW TECHNIQUES FOR ORTHOPEDIC SURGICAL PROCEDURES USING MIXED REALITY
EP	19759204.1	Aug 9, 2019			GUIDES AND INSTRUMENTS FOR IMPROVING ACCURACY OF GLENOID IMPLANT PLACEMENT
EP	19783877.4	Sep 25, 2019			ELBOW JOINT PROSTHESES
EP	19787553.7	Oct 1, 2019			SHOULDER PROSTHESIS COMPONENTS AND ASSEMBLIES
EP	19787554.5	Oct 1, 2019			SHOULDER PROSTHESIS COMPONENTS AND ASSEMBLIES
EP	19794773.2	Oct 1, 2019			MODULAR HUMERAL HEAD
EP	19794774.0	Oct 1, 2019			METAPHYSAL REFERENCING TECHNIQUE AND INSTRUMENT
EP	20166599.9	Dec 26, 2014			BASE MEMBER, AS WELL AS STEMLESS HUMERAL SHOULDER ASSEMBLY AND PROSTHESIS COMPRISING SUCH A BASE MEMBER
EP	20194804.9	Dec 26, 2014			REVERSE SHOULDER SYSTEMS
EP	21171007.4	Apr 28, 2021			ORTHOPEDIC SURGICAL IMPLANT DEVICE WITH POROUS MATERIAL AND FLUID CHANNELS FOR CLEANING THE POROUS MATERIAL
FR	07701202.9	Jan 4, 2007	1986552	Jun 16, 2010	RING CINCH ASSEMBLY FOR ATTACHING TISSUE TO BONE WITH A SUTURE
FR	07717873.9	Jan 5, 2007	1971284	Sep 15, 2010	FRACTURE FIXATION PLATE WITH COVER SHEATH
FR	07753578.9	Mar 21, 2007	1 996 123	Aug 28, 2019	NON-SPHERICAL ARTICULATING SURFACES IN SHOULDER AND HIP PROSTHESES
FR	07753667.0	Mar 21, 2007	1996124	Oct 30, 2019	FEMORAL AND HUMERAL STEM COMPONENTS SYSTEM FOR ORTHOPEDIC JOINT RECONSTRUCTION
FR	08798337.5	Aug 21, 2008	2197362	Jan 6, 2016	BONE ANCHOR COMPRISING A SHAPE MEMORY ELEMENT
FR	10155440.0	Mar 4, 2010	2238949	Dec 16, 2015	GLENOID IMPLANT ANCHOR POST
FR	10305513.3	May 17, 2010	2387970	Jul 3, 2013	ENDOPROSTHETIC TEXTILE SCAFFOLD ESPECIALLY FOR REPAIRING ROTATOR CUFF TISSUE OF HUMAN SHOULDER
FR	10305866.5	Aug 6, 2010	2415404	Aug 30, 2017	ARTHROSCOPIC DEVICE FOR CUTTING A SUTURE AND ARTHROSCOPIC SURGICAL KIT INCLUDING SUCH A DEVICE
FR	10782499.7	Nov 16, 2010	2501299	Mar 23, 2016	BONE IMPLANT WITH CONVERTIBLE SUTURE ATTACHMENT
FR	11154626.3	Feb 16, 2011	2363078	Nov 12, 2014	SUTURE IMPLANT
FR	11181936.3	Sep 20, 2011	EP2431008	Nov 30, 2016	IMPLANT POSITIONING SYSTEM
FR	12177013.5	Jul 19, 2012	2548535	Mar 4, 2015	ANCILLARY DEVICE FOR EXTRACTING A PROSTHESIS
FR	14827689.2	Dec 26, 2014	3089709	Sep 9, 2020	REVERSE SHOULDER SYSTEMS

PATENT

REEL: 059659 FRAME: 0892

COUNTRY	APPLICATION NO.	FILING DATE	PATENT NO.	GRANT DATE	TITLE
FR	14828635.4	Dec 26, 2014	3096714	May 13, 2020	STEMLESS HUMERAL ANCHOR
FR	15161457.5	Mar 27, 2015	2962649	May 10, 2017	ORTHOPEDIC DRIVER
FR	15161818.8	Mar 31, 2015	2962650	Aug 30, 2017	DEVICE FOR REMOVING BONE FROM A GLENOID AND KIT INCLUDING SUCH A DEVICE
FR	16158615.1	Mar 4, 2016	3064155	Oct 10, 2018	SURGICAL INSTRUMENTATION ASSEMBLY FOR POSITIONING AN ANKLE PROSTHESIS
FR	16161842.6	Mar 23, 2016	3090705	Nov 20, 2019	GLENOID IMPLANT
FR	16708309.6	Feb 19, 2016	3273914	Nov 6, 2019	MODULAR HUMERAL IMPLANT
FR	18720821.0	Apr 2, 2018	3606475	Jan 27, 2021	ELBOW JOINT PROSTHESES
GB	07701202.9	Jan 4, 2007	1986552	Jun 16, 2010	RING CINCH ASSEMBLY FOR ATTACHING TISSUE TO BONE WITH A SUTURE
GB	07717873.9	Jan 5, 2007	1971284	Sep 15, 2010	FRACTURE FIXATION PLATE WITH COVER SHEATH
GB	07753667.0	Mar 21, 2007	1996124	Oct 30, 2019	FEMORAL AND HUMERAL STEM COMPONENTS SYSTEM FOR ORTHOPEDIC JOINT RECONSTRUCTION
GB	08798337.5	Aug 21, 2008	2197362	Jan 6, 2016	BONE ANCHOR COMPRISING A SHAPE MEMORY ELEMENT
GB	10155440.0	Mar 4, 2010	2238949	Dec 16, 2015	GLENOID IMPLANT ANCHOR POST
GB	10305513.3	May 17, 2010	2387970	Jul 3, 2013	ENDOPROSTHETIC TEXTILE SCAFFOLD ESPECIALLY FOR REPAIRING ROTATOR CUFF TISSUE OF HUMAN SHOULDER
GB	10305866.5	Aug 6, 2010	2415404	Aug 30, 2017	ARTHROSCOPIC DEVICE FOR CUTTING A SUTURE AND ARTHROSCOPIC SURGICAL KIT INCLUDING SUCH A DEVICE
GB	10782499.7	Nov 16, 2010	2501299	Mar 23, 2016	BONE IMPLANT WITH CONVERTIBLE SUTURE ATTACHMENT
GB	11154626.3	Feb 16, 2011	2363078	Nov 12, 2014	SUTURE IMPLANT
GB	11181936.3	Sep 20, 2011	EP2431008	Nov 30, 2016	IMPLANT POSITIONING SYSTEM
GB	12177013.5	Jul 19, 2012	2548535	Mar 4, 2015	ANCLLARY DEVICE FOR EXTRACTING A PROSTHESIS
GB	14827689.2	Dec 26, 2014	3089709	Sep 9, 2020	REVERSE SHOULDER SYSTEMS
GB	14828635.4	Dec 26, 2014	3096714	May 13, 2020	STEMLESS HUMERAL ANCHOR
GB	15161457.5	Mar 27, 2015	2962649	May 10, 2017	ORTHOPEDIC DRIVER
GB	15161818.8	Mar 31, 2015	2962650	Aug 30, 2017	DEVICE FOR REMOVING BONE FROM A GLENOID AND KIT INCLUDING SUCH A DEVICE
GB	16158615.1	Mar 4, 2016	3064155	Oct 10, 2018	SURGICAL INSTRUMENTATION ASSEMBLY FOR POSITIONING AN ANKLE PROSTHESIS
GB	16161842.6	Mar 23, 2016	3090705	Nov 20, 2019	GLENOID IMPLANT
GB	16708309.6	Feb 19, 2016	3273914	Nov 6, 2019	MODULAR HUMERAL IMPLANT
GB	18720821.0	Apr 2, 2018	3606475	Jan 27, 2021	ELBOW JOINT PROSTHESES
GB	9001667254-0001	Feb 9, 2010	9001667254-0001	Feb 9, 2010	PLATE (PROSTHETIC)
GB	9007779046-0010	Mar 31, 2020	9007779046-0010	May 27, 2020	HUMERAL IMPLANTS (PART OF-)
GB	9007779046-0009	Mar 31, 2020	9007779046-0009	May 27, 2020	HUMERAL IMPLANTS (PART OF-)
GB	9007779046-0008	Mar 31, 2020	9007779046-0008	May 27, 2020	HUMERAL IMPLANTS (PART OF-)
GB	9007779046-0007	Mar 31, 2020	9007779046-0007	May 27, 2020	HUMERAL IMPLANTS (PART OF-)
GB	9007779046-0006	Mar 31, 2020	9007779046-0006	May 27, 2020	HUMERAL IMPLANTS (PART OF-)

COUNTRY	APPLICATION NO.	FILING DATE	PATENT NO.	GRANT DATE	TITLE
GB	9007779046-0005	Mar 31, 2020	9007779046-0005	May 27, 2020	HUMERAL IMPLANTS (PART OF-)
GB	9007779046-0004	Mar 31, 2020	9007779046-0004	May 27, 2020	HUMERAL IMPLANTS (PART OF-)
GB	9007779046-0003	Mar 31, 2020	9007779046-0003	May 27, 2020	HUMERAL IMPLANTS (PART OF-)
GB	9007779046-0002	Mar 31, 2020	9007779046-0002	May 27, 2020	HUMERAL IMPLANTS (PART OF-)
GB	9007779046-0001	Mar 31, 2020	9007779046-0001	May 27, 2020	HUMERAL IMPLANTS (PART OF-)
GB	9007782628-0007	Mar 31, 2020	9007782628-0007	Jun 22, 2020	IMPLANTS
GB	9007782628-0006	Mar 31, 2020	9007782628-0006	Jun 22, 2020	IMPLANTS
GB	9007782628-0005	Mar 31, 2020	9007782628-0005	Jun 22, 2020	IMPLANTS
GB	9007782628-0004	Mar 31, 2020	9007782628-0004	Jun 22, 2020	IMPLANTS
GB	9007782628-0003	Mar 31, 2020	9007782628-0003	Jun 22, 2020	IMPLANTS
GB	9007782628-0002	Mar 31, 2020	9007782628-0002	Jun 22, 2020	IMPLANTS
GB	9007782628-0001	Mar 31, 2020	9007782628-0001	Jun 22, 2020	IMPLANTS
GB	9007785647-0008	Apr 1, 2020	9007785647-0008	May 27, 2020	REVERSE SHOULDER ARTICULAR BODY N°8
GB	9007785647-0007	Apr 1, 2020	9007785647-0007	May 27, 2020	REVERSE SHOULDER ARTICULAR BODY N°7
GB	9007785647-0006	Apr 1, 2020	9007785647-0006	May 27, 2020	REVERSE SHOULDER ARTICULAR BODY N°6
GB	9007785647-0005	Apr 1, 2020	9007785647-0005	May 27, 2020	REVERSE SHOULDER ARTICULAR BODY N°5
GB	9007785647-0004	Apr 1, 2020	9007785647-0004	May 27, 2020	REVERSE SHOULDER ARTICULAR BODY N°4
GB	9007785647-0003	Apr 1, 2020	9007785647-0003	May 27, 2020	REVERSE SHOULDER ARTICULAR BODY N°3
GB	9007785647-0002	Apr 1, 2020	9007785647-0002	May 27, 2020	REVERSE SHOULDER ARTICULAR BODY N°2
GB	9007785647-0001	Apr 1, 2020	9007785647-0001	May 27, 2020	REVERSE SHOULDER ARTICULAR BODY N°1
GB	90012529510001	Dec 31, 2010	90012529510001	Dec 31, 2010	PROSTHESIS ANCHOR (SIMPLICITT)
GB	90012529510002	Dec 31, 2010	90012529510002	Dec 31, 2010	PROSTHESIS ANCHOR (SIMPLICITT)
GB	90012529510003	Dec 31, 2010	90012529510003	Dec 31, 2010	PROSTHESIS ANCHOR (SIMPLICITT)
GB	90012529510004	Dec 31, 2010	90012529510004	Dec 31, 2010	PROSTHESIS ANCHOR (SIMPLICITT)
GB	90012529510005	Dec 31, 2010	90012529510005	Dec 31, 2010	PROSTHESIS ANCHOR (SIMPLICITT)
GB	90012529510006	Dec 31, 2010	90012529510006	Dec 31, 2010	PROSTHESIS ANCHOR (SIMPLICITT)
GB	90012529510007	Dec 31, 2010	90012529510007	Dec 31, 2010	PROSTHESIS ANCHOR (SIMPLICITT)
GB	90012529510008	Dec 31, 2010	90012529510008	Dec 31, 2010	PROSTHESIS ANCHOR (SIMPLICITT)
GB	90081913400001	Sep 29, 2020	90081913400001	Nov 26, 2020	HUMERAL IMPLANT
GB	90081913400002	Sep 29, 2020	90081913400002	Nov 26, 2020	HUMERAL IMPLANT
GB	90081913400003	Sep 29, 2020	90081913400003	Nov 26, 2020	HUMERAL IMPLANT
GB	90081913400004	Sep 29, 2020	90081913400004	Nov 26, 2020	HUMERAL IMPLANT
GB	90081913400005	Sep 29, 2020	90081913400005	Nov 26, 2020	HUMERAL IMPLANT
GB	90081913400006	Sep 29, 2020	90081913400006	Nov 26, 2020	HUMERAL IMPLANT
GB	90081913400007	Sep 29, 2020	90081913400007	Nov 26, 2020	HUMERAL IMPLANT
GB	90081913400008	Sep 29, 2020	90081913400008	Nov 26, 2020	HUMERAL IMPLANT
GB	90081913400009	Sep 29, 2020	90081913400009	Nov 26, 2020	HUMERAL IMPLANT
GB	90081913400010	Sep 29, 2020	90081913400010	Nov 26, 2020	HUMERAL IMPLANT
GB	90081913400011	Sep 29, 2020	90081913400011	Nov 26, 2020	HUMERAL IMPLANT
GB	90081913400012	Sep 29, 2020	90081913400012	Nov 26, 2020	HUMERAL IMPLANT
GB	90081913400013	Sep 29, 2020	90081913400013	Nov 26, 2020	HUMERAL IMPLANT

COUNTRY	APPLICATION NO.	FILING DATE	PATENT NO.	GRANT DATE	TITLE
IE	07701202.9	Jan 4, 2007	1986552	Jun 16, 2010	RING CINCH ASSEMBLY FOR ATTACHING TISSUE TO BONE WITH A SUTURE
IE	07753578.9	Mar 21, 2007	1 996 123	Aug 28, 2019	NON-SPHERICAL ARTICULATING SURFACES IN SHOULDER AND HIP PROSTHESES
IE	07753667.0	Mar 21, 2007	1996124	Oct 30, 2019	FEMORAL AND HUMERAL STEM COMPONENTS SYSTEM FOR ORTHOPEDIC JOINT RECONSTRUCTION
IE	08798337.5	Aug 21, 2008	2197362	Jan 6, 2016	BONE ANCHOR COMPRISING A SHAPE MEMORY ELEMENT
IE	10155440.0	Mar 4, 2010	2238949	Dec 16, 2015	GLENOID IMPLANT ANCHOR POST
IE	10305513.3	May 17, 2010	2387970	Jul 3, 2013	ENDOPROSTHETIC TEXTILE SCAFFOLD ESPECIALLY FOR REPAIRING ROTATOR CUFF TISSUE OF HUMAN SHOULDER
IE	10305866.5	Aug 6, 2010	2415404	Aug 30, 2017	ARTHROSCOPIC DEVICE FOR CUTTING A SUTURE AND ARTHROSCOPIC SURGICAL KIT INCLUDING SUCH A DEVICE
IE	10782499.7	Nov 16, 2010	2501299	Mar 23, 2016	BONE IMPLANT WITH CONVERTIBLE SUTURE ATTACHMENT
IE	11154626.3	Feb 16, 2011	2363078	Nov 12, 2014	SUTURE IMPLANT
IE	11181936.3	Sep 20, 2011	EP2431008	Nov 30, 2016	IMPLANT POSITIONING SYSTEM
IE	12177013.5	Jul 19, 2012	2548535	Mar 4, 2015	ANGULARY DEVICE FOR EXTRACTING A PROSTHESIS
IE	14827689.2	Dec 26, 2014	3089709	Sep 9, 2020	REVERSE SHOULDER SYSTEMS
IE	14828635.4	Dec 26, 2014	3096714	May 13, 2020	STEMLESS HUMERAL ANCHOR
IE	15161457.5	Mar 27, 2015	2962649	May 10, 2017	ORTHOPEDIC DRIVER
IE	15161818.8	Mar 31, 2015	2962650	Aug 30, 2017	DEVICE FOR REMOVING BONE FROM A GLENOID AND KIT INCLUDING SUCH A DEVICE
IE	16158615.1	Mar 4, 2016	3064155	Oct 10, 2018	SURGICAL INSTRUMENTATION ASSEMBLY FOR POSITIONING AN ANKLE PROSTHESES
IE	16161842.6	Mar 23, 2016	3090705	Nov 20, 2019	GLENOID IMPLANT
IE	16708309.6	Feb 19, 2016	3273914	Nov 6, 2019	MODULAR HUMERAL IMPLANT
IE	18720821.0	Apr 2, 2018	3606475	Jan 27, 2021	ELBOW JOINT PROSTHESES
IN	328705-001	Apr 1, 2020			REVERSE SHOULDER ARTICULAR BODIES
IN	328706-001	Apr 1, 2020			HUMERAL IMPLANT
IN	328707-001	Apr 1, 2020			HUMERAL IMPLANT
IN	328708-001	Apr 1, 2020			REVERSE SHOULDER ARTICULAR BODIES
IN	328709-001	Apr 1, 2020			HUMERAL IMPLANT
IN	328710-001	Apr 1, 2020			HUMERAL IMPLANT
IN	328711-001	Apr 1, 2020			HUMERAL IMPLANT
IN	328712-001	Apr 1, 2020			HUMERAL IMPLANT
IN	328713-001	Apr 1, 2020			HUMERAL IMPLANT
IN	328714-001	Apr 1, 2020			HUMERAL IMPLANT
IN	328715-001	Apr 1, 2020			HUMERAL IMPLANT
IN	328716-001	Apr 1, 2020			HUMERAL IMPLANT
IN	328717-001	Apr 1, 2020			HUMERAL IMPLANT
IN	328718-001	Apr 1, 2020			REVERSE SHOULDER ARTICULAR BODIES

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COUNTRY	APPLICATION NO.	FILING DATE	PATENT NO.	GRANT DATE	TITLE
IN	328719-001	Apr 1, 2020			HUMERAL IMPLANT
IN	328720-001	Apr 1, 2020			HUMERAL IMPLANT
IN	328721-001	Apr 1, 2020			HUMERAL IMPLANT
IN	328722-001	Apr 1, 2020			HUMERAL IMPLANT
IN	328723-001	Apr 1, 2020			HUMERAL IMPLANT
IN	328724-001	Apr 1, 2020			HUMERAL IMPLANT
IN	328725-001	Apr 1, 2020			REVERSE SHOULDER ARTICULAR BODIES
IN	328726-001	Apr 1, 2020			REVERSE SHOULDER ARTICULAR BODIES
IN	328727-001	Apr 1, 2020			REVERSE SHOULDER ARTICULAR BODIES
IN	328728-001	Apr 1, 2020			REVERSE SHOULDER ARTICULAR BODIES
IN	328729-001	Apr 1, 2020			REVERSE SHOULDER ARTICULAR BODIES
IN	333781-001	Sep 30, 2020			HUMERAL IMPLANT
IN	333782-001	Sep 30, 2020			HUMERAL IMPLANT
IN	333783-001	Sep 30, 2020			HUMERAL IMPLANT
IN	333784-001	Sep 30, 2020			HUMERAL IMPLANT
IN	333785-001	Sep 30, 2020			HUMERAL IMPLANT
IN	333786-001	Sep 30, 2020			HUMERAL IMPLANT
IN	333787-001	Sep 30, 2020			HUMERAL IMPLANT
IN	333788-001	Sep 30, 2020			HUMERAL IMPLANT
IN	333789-001	Sep 30, 2020			HUMERAL IMPLANT
IN	333790-001	Sep 30, 2020			HUMERAL IMPLANT
IN	333791-001	Sep 30, 2020			HUMERAL IMPLANT
IN	333792-001	Sep 30, 2020			HUMERAL IMPLANT
IN	202017055770	Jun 13, 2019			MIXED REALITY-AIDED EDUCATION USING VIRTUAL MODELS OR VIRTUAL REPRESENTATIONS FOR ORTHOPEDIC SURGICAL PROCEDURES
IT	07753667.0	Mar 21, 2007	502020000009082	Oct 30, 2019	FEMORAL AND HUMERAL STEM COMPONENTS SYSTEM FOR ORTHOPEDIC JOINT RECONSTRUCTION
IT	10155440.0	Mar 4, 2010	502016000009484	Dec 16, 2015	GLENOID IMPLANT ANCHOR POST
IT	10305513.3	May 17, 2010	502013902195112	Jul 3, 2013	ENDOPROSTHETIC TEXTILE SCAFFOLD ESPECIALLY FOR REPAIRING ROTATOR CUFF TISSUE OF HUMAN SHOULDER
IT	10305866.5	Aug 6, 2010	502017000107409	Aug 30, 2017	ARTHROSCOPIC DEVICE FOR CUTTING A SUTURE AND ARTHROSCOPIC SURGICAL KIT INCLUDING SUCH A DEVICE
IT	10782499.7	Nov 16, 2010	502016000056482	Mar 23, 2016	BONE IMPLANT WITH CONVERTIBLE SUTURE ATTACHMENT
IT	11181936.3	Sep 20, 2011	EP2431008	Nov 30, 2016	IMPLANT POSITIONING SYSTEM
IT	14827689.2	Dec 26, 2014	3089709	Sep 9, 2020	REVERSE SHOULDER SYSTEMS
IT	14828635.4	Dec 26, 2014	3096714	May 13, 2020	STEMLESS HUMERAL ANCHOR
IT	15161457.5	Mar 27, 2015	502017000091034	May 10, 2017	ORTHOPEDIC DRIVER
IT	15161818.8	Mar 31, 2015	502017000136356	Aug 30, 2017	DEVICE FOR REMOVING BONE FROM A GLENOID AND KIT INCLUDING SUCH A DEVICE

COUNTRY	APPLICATION NO.	FILING DATE	PATENT NO.	GRANT DATE	TITLE
IT	16158615.1	Mar 4, 2016	502019000002632	Oct 10, 2018	SURGICAL INSTRUMENTATION ASSEMBLY FOR POSITIONING AN ANKLE PROSTHESES
IT	16161842.6	Mar 23, 2016	502020000014758	Nov 20, 2019	GLENOID IMPLANT
IT	16708309.6	Feb 19, 2016	502020000007858	Nov 6, 2019	MODULAR HUMERAL IMPLANT
IT	18720821.0	Apr 2, 2018	502021000033581	Jan 27, 2021	ELBOW JOINT PROSTHESES
JP	2020-571533	Jun 13, 2019			MIXED REALITY-AIDED SURGICAL ASSISTANCE IN ORTHOPEDIC SURGICAL PROCEDURES
JP	2020-571520	Jun 13, 2019			VIRTUAL CHECKLISTS FOR ORTHOPEDIC SURGERY
JP	2019-555151	Apr 2, 2018			ELBOW JOINT PROSTHESES
JP	2021-518584	Sep 25, 2019			ELBOW JOINT PROSTHESES
JP	2021-518174	Oct 1, 2019			SHOULDER PROSTHESIS COMPONENTS AND ASSEMBLIES
JP	2021-518159	Oct 1, 2019			SHOULDER PROSTHESIS COMPONENTS AND ASSEMBLIES
JP	2021-518141	Oct 1, 2019			METAPHYSEAL REFERENCING TECHNIQUE AND INSTRUMENT
JP	2021-518133	Oct 1, 2019			MODULAR HUMERAL HEAD
JP	2021-506973	Aug 9, 2019			GUIDES AND INSTRUMENTS FOR IMPROVING ACCURACY OF GLENOID IMPLANT PLACEMENT
JP	2020-021554	Apr 1, 2020	1676157	Dec 14, 2020	REVERSE SHOULDER ARTICULAR BODIES
JP	2020-021553	Apr 1, 2020	1676156	Dec 14, 2020	REVERSE SHOULDER ARTICULAR BODIES
JP	2020-021552	Apr 1, 2020	1676155	Dec 14, 2020	REVERSE SHOULDER ARTICULAR BODIES
JP	2020-020747	Sep 30, 2020			HUMERAL IMPLANT
JP	2020-020746	Sep 30, 2020			HUMERAL IMPLANT
JP	2020-006793	Apr 1, 2020	1676104	Dec 14, 2020	HUMERAL IMPLANT
JP	2020-006792	Apr 1, 2020	1676103	Dec 14, 2020	HUMERAL IMPLANT
JP	2020-006791	Apr 1, 2020	1676102	Dec 14, 2020	REVERSE SHOULDER ARTICULAR BODIES
JP	2021-000315	Sep 30, 2020			HUMERAL IMPLANT
JP	2021-000314	Sep 30, 2020			HUMERAL IMPLANT
JP	2021-000313	Sep 30, 2020			HUMERAL IMPLANT
JP	2021-000205	Sep 30, 2020			HUMERAL IMPLANT
JP	2008549637	Jan 4, 2007	5211273	Mar 8, 2013	SYSTEM FOR FIXING TISSUE TO BONE
JP	2011031896	Feb 17, 2011			SUTURE ANCHOR
KR	30-2020-0014387-M001	Oct 1, 2019	3010894570001	Dec 29, 2020	REVERSE SHOULDER ARTICULAR BODIES
KR	30-2020-0014387-M002	Oct 1, 2019	3010894570002	Dec 29, 2020	REVERSE SHOULDER ARTICULAR BODIES
KR	30-2020-0014387-M003	Oct 1, 2019	3010894570003	Dec 29, 2020	REVERSE SHOULDER ARTICULAR BODIES
KR	30-2020-0014387-M004	Oct 1, 2019	3010894570004	Dec 29, 2020	REVERSE SHOULDER ARTICULAR BODIES
KR	30-2020-0014388-M002	Oct 1, 2019	3010918970002	Jan 14, 2021	HUMERAL IMPLANT

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KR	30-2020-0014388-M003	Oct 1, 2019	3010918970003	Jan 14, 2021	HUMERAL IMPLANT
KR	30-2020-0014388-M004	Oct 1, 2019	3010918970004	Apr 23, 2021	HUMERAL IMPLANT
KR	30-2020-0014388-M005	Oct 1, 2019	3010918970005	Apr 23, 2021	HUMERAL IMPLANT
KR	30-2020-0014390-M001	Oct 1, 2019	3010918980001	Jan 14, 2021	HUMERAL IMPLANT
KR	30-2020-0014390-M002	Oct 1, 2019	3010918980001	Jan 14, 2021	HUMERAL IMPLANT
KR	30-2020-0014390-M003	Oct 1, 2019	3010918980003	Jan 14, 2021	HUMERAL IMPLANT
KR	30-2020-0014390-M004	Oct 1, 2019	3010918980004	Apr 30, 2021	HUMERAL IMPLANT
KR	30-2020-0014390-M005	Oct 1, 2019	3010918980005	Apr 23, 2021	HUMERAL IMPLANT
KR	30-2020-0014390-M006	Oct 1, 2019	3010918980006	Jan 14, 2021	HUMERAL IMPLANT
KR	30-2020-0014390-M007	Oct 1, 2019	3010918980007	Jan 14, 2021	HUMERAL IMPLANT
KR	30-2020-0014388-M001	Oct 2, 2019	3010918970001	Jan 14, 2021	HUMERAL IMPLANT
KR	2021-7013349	Sep 25, 2019			ELBOW JOINT PROSTHESES
KR	30-2020-0046910	Sep 30, 2020			HUMERAL IMPLANT
KR	30-2020-0046909	Sep 30, 2020			HUMERAL IMPLANT
KR	30-2020-0046908	Sep 30, 2020			HUMERAL IMPLANT
KR	30-2020-0046907	Sep 30, 2020			HUMERAL IMPLANT
MX	MX/a/2020/003194	Sep 21, 2018			PATIENT SPECIFIC STEMLESS PROSTHESIS ANCHOR COMPONENTS
MX	MX/a/2020/003481	Oct 10, 2018			HUMERAL FIXATION PLATE GUIDES
MX	MX/a/2020/013780	Jun 13, 2019			VIRTUAL GUIDANCE FOR ORTHOPEDIC SURGICAL PROCEDURES
NL	14827689.2	Dec 26, 2014	3089709	Sep 9, 2020	REVERSE SHOULDER SYSTEMS
NL	18720821.0	Apr 2, 2018	3606475	Jan 27, 2021	ELBOW JOINT PROSTHESES
US	08/919,297	Aug 28, 1997	5,893,880	Apr 13, 1999	FUSED LOOP FILAMENTOUS MATERIAL
US	09/859,985	May 17, 2001	6,669,705	Dec 30, 2003	APPARATUS AND METHOD FOR WELDING SUTURES
US	10/919,933	Aug 17, 2004	8,197,508	Jun 12, 2012	FUSED LOOP OF FILAMENTOUS MATERIAL AND APPARATUS FOR MAKING SAME
US	09/794,516	Feb 27, 2001	6,517,543	Feb 11, 2003	BONE CONNECTOR SYSTEM WITH ANTI-ROTATIONAL FEATURE
US	11/959,882	Dec 19, 2007	8,592,730	Nov 26, 2013	HEATER ASSEMBLY FOR SUTURE WELDER

COUNTRY	APPLICATION NO.	FILING DATE	PATENT NO.	GRANT DATE	TITLE
US	11/820,604	Jun 19, 2007	8,235,995	Aug 7, 2012	BONE STAPLE WITH COMPRESSIBLE DEFORMATION REGION
US	11/820,597	Jun 19, 2007	8,016,836	Sep 13, 2011	BONE SCREW DRIVER
US	12/887,040	Sep 21, 2010	8,632,603	Jan 21, 2014	IMPLANT POSITIONING SYSTEMS FOR ORIENTING PROSTHESIS
US	09/602,771	Jun 23, 2000	6,458,134	Oct 1, 2002	BONE CONNECTOR SYSTEM WITH ANTI-ROTATIONAL FEATURE
US	14/933,897	Nov 5, 2015	10,786,233	Sep 29, 2020	FULLY THREADED SUTURE ANCHOR WITH INTERNAL RECESSED EYELETS
US	15/995,509	Jun 1, 2018			SUTURE FOR CONNECTING A HUMAN OR ANIMAL TISSUE, SOFT ANCHOR AND METHOD FOR ATTACHING A TISSUE TO A BONE
US	11/726,736	Mar 22, 2007	8,721,650	May 13, 2014	BONE ANCHOR INSTALLER AND METHOD OF USE
US	11/724,530	Mar 15, 2007	8,118,849	Feb 21, 2012	BONE SCREW WITH SELECTIVELY SECURABLE WASHER
US	11/724,415	Mar 15, 2007	8,147,531	Apr 3, 2012	COMPRESSION PIN WITH OPPOSED THREADED REGIONS
US	15/942,858	Apr 2, 2018			ELBOW JOINT PROSTHESES
US	11/689,445	Mar 21, 2007	9,433,507	Sep 6, 2016	NON-SPHERICAL ARTICULATING SURFACES IN SHOULDER AND HIP REPLACEMENT
US	11/689,424	Mar 21, 2007	9,474,619	Oct 25, 2016	GLENOID COMPONENT WITH IMPROVED FIXATION STABILITY
US	11/688,309	Mar 20, 2007	8,231,684	Jul 31, 2012	HUMERAL HEAD AUGMENT DEVICE AND METHOD FOR USE IN A SHOULDER PROSTHESIS
US	15/938,214	Mar 28, 2018			MODULAR HUMERAL HEAD
US	16/967,374	Aug 4, 2020			PATIENT-SPECIFIC BONE FRACTURE PROSTHESES AND METHODS OF MAKING THE SAME
US	16/910,663	Jun 24, 2020			PATIENT SPECIFIC HUMERAL IMPLANT COMPONENTS
US	14/794,544	Jul 8, 2015	9,629,725	Apr 25, 2017	REVERSE SHOULDER SYSTEMS AND METHODS
US	16/894,149	Jun 5, 2020			CONVERTIBLE GLENOID IMPLANT
US	09/499,881	Feb 8, 2000	6,413,260	Jul 2, 2002	BONE CONNECTOR SYSTEM
US	09/486,760	Dec 8, 2000	6,358,271	Mar 19, 2002	FUSED LOOP OF FILAMENTOUS MATERIAL AND APPARATUS FOR MAKING SAME
US	16/840,791	Apr 6, 2020			SET OF GLENOID COMPONENTS FOR A SHOULDER PROSTHESIS
US	16/785,228	Feb 7, 2020			PATIENT SPECIFIC GLENOID BONE AUGMENT COMPONENTS AND METHODS OF MAKING AND USING THE SAME
US	14/670,065	Mar 26, 2015	10,070,873	Sep 11, 2018	DEVICE FOR MAINTAINING ALIGNMENT OF A CANNULATED SHAFT OVER A GUIDE PIN
US	14/668,892	Mar 25, 2015	9,597,203	Mar 21, 2017	MODULAR HUMERAL IMPLANT
US	16/740,314	Jan 10, 2020			HUMERAL IMPLANT ANCHOR SYSTEM
US	16/700,267	Dec 2, 2019			GLENOID IMPLANT ANCHOR POST
US	16/690,752	Nov 21, 2019			HIGH-STRENGTH BIOABSORBABLE SUTURE

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COUNTRY	APPLICATION NO.	FILING DATE	PATENT NO.	GRANT DATE	TITLE
US	13/559,336	Jul 26, 2012	8,689,425	Apr 8, 2014	MANUFACTURING A SHOULDER PROSTHESIS WITH A ONE-PIECE HUMERAL HEAD
US	16/688,315	Nov 19, 2019			SURGICAL METHOD AND INSTRUMENTATION ASSEMBLY FOR POSITIONING AN ANKLE PROSTHESIS
US	13/553,610	Jul 19, 2012	9,289,218	Mar 22, 2016	OSTEOTOME EXTRACTOR
US	16/675,711	Nov 6, 2019			SURGICAL METHOD AND INSTRUMENTATION ASSEMBLY FOR POSITIONING AN ANKLE PROSTHESIS
US	16/649,956	Mar 23, 2020			HUMERAL FIXATION PLATE GUIDES
US	16/648,128	Mar 17, 2020			PATIENT SPECIFIC STEMLESS PROSTHESIS ANCHOR COMPONENTS
US	13/510,240	Nov 16, 2010	9,445,805	Sep 20, 2016	BONE IMPLANT WITH CONVERTIBLE SUTURE ATTACHMENT
US	16/580,367	Sep 24, 2019			HUMERAL IMPLANT ANCHOR SYSTEM
US	16/574,712	Sep 18, 2019			STEMLESS SHOULDER IMPLANT WITH FIXATION COMPONENTS
US	12/398,750	Mar 5, 2009	9,545,311	Jan 17, 2017	GLENOID IMPLANT ANCHOR POST
US	15/474,864	Mar 30, 2017	10,357,373	Jul 23, 2019	REVERSE SHOULDER SYSTEMS AND METHODS
US	15/454,259	Mar 9, 2017			SURGICAL INSTRUMENTATION ASSEMBLY, SET AND SURGICAL SHOULDER REPAIR METHOD
US	11/328,619	Jan 10, 2006	8,029,551	Oct 4, 2011	FRACTURE FIXATION PLATE WITH COVER SHEATH
US	15/443,866	Feb 27, 2017	10,463,499	Nov 5, 2019	STEMLESS SHOULDER IMPLANT WITH FIXATION COMPONENTS
US	11/325,252	Jan 4, 2006	7,938,847	May 10, 2011	RING CINCH ASSEMBLY TO ATTACH BONE TO TISSUE
US	15/436,565	Feb 17, 2017	10,080,664	Sep 25, 2018	MODULAR HUMERAL IMPLANT
US	16/440,309	Jun 13, 2019	10,987,176	Apr 27, 2021	VIRTUAL GUIDANCE FOR ORTHOPEDIC SURGICAL PROCEDURES
US	16/430,256	Jun 3, 2019			REVERSE SHOULDER SYSTEMS AND METHODS
US	15/379,359	Dec 14, 2016	10,524,922	Jan 7, 2020	GLENOID IMPLANT ANCHOR POST
US	29/729,987	Mar 31, 2020			HUMERAL IMPLANT
US	11/273,078	Nov 14, 2005	8,029,536	Oct 4, 2011	MULTIPLE OFFSET EYELET SUTURE ANCHOR
US	29/707,805	Oct 1, 2019			HUMERAL IMPLANT
US	29/707,804	Oct 1, 2019			REVERSE SHOULDER ARTICULAR BODIES
US	29/707,802	Oct 1, 2019			HUMERAL IMPLANT
US	29/673,310	Dec 13, 2018			PROSTHESIS ANCHOR
US	14/320,340	Jun 30, 2014	10,028,838	Jul 24, 2018	AUGMENTED GLENOID COMPONENTS AND DEVICES FOR IMPLANTING THE SAME
US	14/304,235	Jun 13, 2014	10,016,192	Jul 10, 2018	SUTURE FOR CONNECTING A HUMAN OR ANIMAL TISSUE SOFT ANCHOR AND METHOD FOR ATTACHING A TISSUE TO A BONE
US	13/279,070	Oct 21, 2011	9,351,844	May 31, 2016	SET OF GLENOID COMPONENTS FOR A SHOULDER PROSTHESIS
US	16/320,860	Jan 25, 2019			STEMLESS PROSTHESIS ANCHOR COMPONENT

COUNTRY	APPLICATION NO.	FILING DATE	PATENT NO.	GRANT DATE	TITLE
US	14/266,577	Apr 30, 2014	9,539,001	Jan 10, 2017	BONE ANCHOR INSTALLER AND METHOD OF USE
US	15/282,274	Sep 30, 2016			GLENOID COMPONENT WITH IMPROVED FIXATION STABILITY
US	29/544,231	Oct 30, 2015	D840,539	Feb 12, 2019	PROSTHESIS ANCHOR
US	13/240,857	Sep 22, 2011	9,662,103	May 30, 2017	SYSTEMS AND METHODS FOR BONE ANCHOR INSERTER DEPTH INDICATION
US	13/221,766	Aug 30, 2011	9,421,085	Aug 23, 2016	SURGICAL METHODS FOR SOFT TISSUE REPAIR
US	15/250,606	Aug 29, 2016	10,898,336	Jan 26, 2021	FEMORAL AND HUMERAL STEM GEOMETRY AND IMPLANTATION METHOD FOR ORTHOPEDIC JOINT RECONSTRUCTION
US	17/281,683	Mar 31, 2021			SHOULDER PROSTHESIS COMPONENTS AND ASSEMBLIES
US	17/279,846	Mar 25, 2021			ELBOW JOINT PROSTHESES
US	17/278,495	Mar 22, 2021			MODULAR HUMERAL HEAD
US	17/276,925	Mar 17, 2021			METAPHYSEAL REFERENCING TECHNIQUE AND INSTRUMENT
US	62/994,699	Mar 25, 2020			METAPHYSEAL REFERENCING TECHNIQUE AND INSTRUMENT
US	62/978,544	Feb 19, 2020			SHOULDER PROSTHESIS COMPONENTS AND ASSEMBLIES
US	62/978,124	Feb 18, 2020			COMPUTER-IMPLEMENTED SURGICAL PLANNING BASED ON BONE LOSS DURING ORTHOPEDIC REVISION SURGERY
US	62/978,103	Feb 18, 2020			COMPUTERIZED RECOMMENDATION OF HUMERAL PROSTHESIS FOR SHOULDER SURGERY
US	29/456,077	May 28, 2013	D745,678	Dec 15, 2015	PROSTHESIS ANCHOR
US	16/249,720	Jan 16, 2019			OSTEOTOME EXTRACTOR
US	62/949,794	Dec 18, 2019			SURGICAL GUIDANCE FOR SURGICAL TOOLS
US	62/942,984	Dec 3, 2019			TARGETING TOOL FOR VIRTUAL SURGICAL GUIDANCE
US	62/942,956	Dec 3, 2019			MACHINE-LEARNED MODELS IN SUPPORT OF SURGICAL PROCEDURES
US	62/940,826	Nov 26, 2019			VIRTUAL GUIDANCE FOR CORRECTING SURGICAL PIN INSTALLATION
US	62/940,819	Nov 26, 2019			TRACKING SURGICAL PIN
US	62/940,810	Nov 26, 2019			PRE-OPERATIVE PLANNING AND INTRA OPERATIVE GUIDANCE FOR ORTHOPEDIC SURGICAL PROCEDURES IN CASES OF BONE FRAGMENTATION
US	62/927,277	Oct 29, 2019			USE OF BONY LANDMARKS IN COMPUTERIZED ORTHOPEDIC SURGICAL PLANNING
US	17/250,964	Apr 2, 2021			SHOULDER PROSTHESIS COMPONENTS AND ASSEMBLIES
US	62/910,110	Oct 3, 2019			CASCADE OF MACHINE LEARNING MODELS TO SUGGEST IMPLANT COMPONENTS FOR USE IN ORTHOPEDIC JOINT REPAIR SURGERIES
US	62/908,921	Oct 1, 2019			REVERSE SHOULDER SYSTEMS
US	62/908,725	Oct 1, 2019			SHOULDER PROSTHESIS COMPONENTS AND ASSEMBLIES

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COUNTRY	APPLICATION NO.	FILING DATE	PATENT NO.	GRANT DATE	TITLE
US	62/887,838	Aug 16, 2019			PRE-OPERATIVE PLANNING OF SURGICAL REVISION PROCEDURES FOR ORTHOPEDIC JOINTS
US	17/243,053	Apr 28, 2021			REGISTRATION MARKER WITH ANTI-ROTATION BASE FOR ORTHOPEDIC SURGICAL PROCEDURES
US	62/885,033	Aug 9, 2019			APPARATUSES AND METHODS FOR IMPLANTING GLENOID PROSTHESES
US	62/884,079	Aug 7, 2019			PRE-OPERATIVE PLANNING OF BONE GRAFT TO BE HARVESTED FROM DONOR SITE
US	17/242,004	Apr 27, 2021			ORTHOPEdic SURGICAL IMPLANT DEVICE WITH POROUS MATERIAL AND FLUID CHANNELS FOR CLEANING THE POROUS MATERIAL
US	62/878,573	Jul 25, 2019			POSITIONING A CAMERA FOR PERSPECTIVE SHARING OF A SURGICAL SITE
US	62/850,238	May 20, 2019			AUTOMATED PLANNING OF SHOULDER STABILITY ENHANCEMENT SURGERIES
US	62/847,746	May 14, 2019			BONE WALL TRACKING AND GUIDANCE FOR ORTHOPEDIC IMPLANT PLACEMENT
US	62/847,740	May 14, 2019			BONE WALL TRACKING AND GUIDANCE FOR ORTHOPEDIC IMPLANT PLACEMENT
US	62/847,100	May 13, 2019			PATIENT-MATCHED ORTHOPEDIC IMPLANT
US	62/847,077	May 13, 2019			GLENOID BASEPLATE AND IMPLANT ASSEMBLIES
US	62/826,410	Mar 29, 2019			PRE-MORBID CHARACTERIZATION OF ANATOMICAL OBJECT USING STATISTICAL SHAPE MODELING (SSM)
US	62/826,362	Mar 29, 2019			PRE-MORBID CHARACTERIZATION OF ANATOMICAL OBJECT USING STATISTICAL SHAPE MODELING (SSM)
US	62/826,190	Mar 29, 2019			CLOSED SURFACE FITTING FOR SEGMENTATION OF ORTHOPEDIC MEDICAL IMAGE DATA
US	62/826,172	Mar 29, 2019			PRE-MORBID CHARACTERIZATION OF ANATOMICAL OBJECT USING STATISTICAL SHAPE MODELING (SSM)
US	62/826,168	Mar 29, 2019			ORTHOPEdic SURGICAL PLANNING BASED ON SOFT TISSUE AND BONE DENSITY MODELING
US	62/826,156	Mar 29, 2019			BONE DENSITY MODELING AND ORTHOPEDIC SURGICAL PLANNING SYSTEM
US	62/826,146	Mar 29, 2019			PLANNING SYSTEM FOR ORTHOPEDIC SURGICAL PROCEDURES
US	62/826,133	Mar 29, 2019			SOFT TISSUE STRUCTURE DETERMINATION FROM CT IMAGES
US	62/826,119	Mar 29, 2019			SOFT TISSUE MODELING AND PLANNING SYSTEM FOR ORTHOPEDIC SURGICAL PROCEDURES
US	09/118,395	Jul 17, 1998	6,286,746	Sep 11, 2001	FUSED LOOP OF FILAMENTOUS MATERIAL AND APPARATUS FOR MAKING SAME
US	16/208,956	Dec 4, 2018			STEMLESS PROSTHESIS ANCHOR COMPONENTS, METHODS, AND KITS

COUNTRY	APPLICATION NO.	FILING DATE	PATENT NO.	GRANT DATE	TITLE
US	17/221,320	Apr 2, 2021			VIRTUAL GUIDANCE FOR ORTHOPEDIC SURGICAL PROCEDURES
US	62/804,402	Feb 12, 2019			MIXED-REALITY SURGICAL SYSTEM WITH PHYSICAL MARKERS FOR REGISTRATION OF VIRTUAL MODELS
US	62/804,392	Feb 12, 2019			MIXED REALITY-AIDED EDUCATION RELATED TO ORTHOPEDIC SURGICAL PROCEDURES
US	62/804,383	Feb 12, 2019			COMPUTING TECHNIQUES FOR PLANNING, GUIDANCE, ANALYSIS, MONITORING, REPORTING AND/OR EDUCATION FOR ORTHOPEDIC SURGICAL PROCEDURES
US	15/192,628	Jun 24, 2016	10,456,264	Oct 29, 2019	HUMERAL IMPLANT ANCHOR SYSTEM
US	17/215,141	Mar 29, 2021			PATIENT SPECIFIC HUMERAL CUTTING GUIDES
US	29/365,240	Jul 6, 2010	D685,474	Jul 2, 2013	PROSTHESIS ANCHOR
US	62/778,797	Dec 12, 2018			VIRTUAL GUIDANCE FOR ORTHOPEDIC SURGICAL PROCEDURES
US	62/778,796	Dec 12, 2018			CLOSED-LOOP TOOL CONTROL FOR ORTHOPEDIC SURGICAL PROCEDURES
US	62/778,791	Dec 12, 2018			VISUALIZATION OF INTRAOPERATIVELY MODIFIED SURGICAL PLANS
US	62/778,789	Dec 12, 2018			AUTOMATED INSTRUMENT OR COMPONENT ASSISTANCE IN ORTHOPEDIC SURGICAL PROCEDURES
US	62/778,788	Dec 12, 2018			EXTENDED REALITY VISUALIZATION OF RANGE OF MOTION
US	62/778,782	Dec 12, 2018			MIXED REALITY-AIDED DEPTH TRACKING IN ORTHOPEDIC SURGICAL PROCEDURES
US	62/778,778	Dec 12, 2018			MULTI-USER COLLABORATION AND WORKFLOW TECHNIQUES FOR ORTHOPEDIC SURGICAL PROCEDURES USING MIXED REALITY
US	62/778,774	Dec 12, 2018			MIXED-REALITY ENHANCED SURGICAL PLANNING SYSTEM
US	62/778,772	Dec 12, 2018			DEEP NEURAL NETWORK FOR RECOMMENDATION OF SHOULDER SURGERY TYPE
US	62/778,760	Dec 12, 2018			DEEP NEURAL NETWORK FOR DIAGNOSIS OF SHOULDER CONDITION
US	15/188,234	Jun 21, 2016	10,736,619	Aug 11, 2020	BONE IMPLANT WITH CONVERTIBLE SUTURE ATTACHMENT
US	29/360,858	Apr 30, 2010	D648,027	Nov 1, 2011	PROSTHESIS
US	12/146,350	Jun 25, 2008	8,292,902	Oct 23, 2012	DOUBLE ROW FIXATION SYSTEM MEDIAL ROW ANCHOR PLACEMENT SYSTEM
US	62/740,790	Oct 3, 2018			ELBOW JOINT PROSTHESES
US	62/740,342	Oct 2, 2018			MODULAR HUMERAL HEAD
US	62/740,333	Oct 2, 2018			SHOULDER PROSTHESIS COMPONENTS AND ASSEMBLIES

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COUNTRY	APPLICATION NO.	FILING DATE	PATENT NO.	GRANT DATE	TITLE
US	62/740,257	Oct 2, 2018			METAPHYSEAL REFERENCING TECHNIQUE AND INSTRUMENT
US	62/717,404	Aug 10, 2018			GUIDES AND INSTRUMENTS FOR IMPROVING ACCURACY OF GLENOID IMPLANT PLACEMENT
US	13/149,214	May 31, 2011	8,834,497	Sep 16, 2014	SUB-CORTICAL SUTURE CUTTER
US	62/687,014	Jun 19, 2018			MIXED REALITY SYSTEM FOR JOINT REPAIR SURGICAL PROCEDURES
US	62/669,850	May 10, 2018			PATIENT-SPECIFIC BONE FRACTURE PROSTHESIS AND METHODS OF MAKING THE SAME
US	62/656,100	Apr 11, 2018			PATIENT SPECIFIC INSTRUMENT FOR CUTTING HUMERUS
US	62/652,421	Apr 4, 2018			MODULAR HUMERAL STEM WITH FINE ADJUSTMENT
US	17/177,596	Feb 17, 2021			SHOULDER PROSTHESIS COMPONENTS AND ASSEMBLIES
US	10/100,213	Mar 18, 2002	7,090,111	Aug 15, 2006	FUSED LOOP OF FILAMENTOUS MATERIAL AND APPARATUS FOR MAKING SAME
US	62/612,201	Dec 29, 2017			PATIENT SPECIFIC HUMERAL CUTTING GUIDES
US	15/145,210	May 3, 2016	10,631,993	Apr 28, 2020	SET OF GLENOID COMPONENTS FOR A SHOULDER PROSTHESIS
US	62/597,283	Dec 11, 2017			STEMLESS PROSTHESIS ANCHO COMPONENTS, METHODS, AND KITS
US	62/571,046	Oct 11, 2017			HUMERAL FIXATION PLATE GUIDES
US	62/562,966	Sep 25, 2017			PATIENT SPECIFIC STEMLESS PROSTHESIS ANCHOR COMPONENTS
US	17/149,527	Jan 14, 2001			FEMORAL AND HUMERAL STEM GEOMETRY AND IMPLANTATION METHOD FOR ORTHOPEDIC JOINT RECONSTRUCTION
US	62/545,327	Aug 14, 2017			GUIDES AND INSTRUMENTS FOR IMPROVING ACCURACY OF GLENOID IMPLANT PLACEMENT
US	62/543,510	Aug 10, 2017			PATIENT SPECIFIC GLENOID BONE AUGMENT COMPONENTS AND METHODS OF MAKE AND USING THE SAME
US	62/530,984	Jul 11, 2017			PATIENT SPECIFIC HUMERAL CUTTING GUIDES
US	62/530,981	Jul 11, 2017			GUIDES FOR IMPROVING ACCURACY OF GLENOID IMPLANT PLACEMENT
US	62/481,484	Apr 4, 2017			ELBOW JOINT PROSTHESES
US	62/480,010	Mar 31, 2017			MODULAR HUMERAL HEAD
US	17/117,931	Dec 10, 2020			VIRTUAL GUIDANCE FOR ORTHOPEDIC SURGICAL PROCEDURES
US	17/117,917	Dec 10, 2020			VIRTUAL GUIDANCE FOR ORTHOPEDIC SURGICAL PROCEDURES
US	17/117,898	Dec 10, 2020			VIRTUAL GUIDANCE FOR ORTHOPEDIC SURGICAL PROCEDURES

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COUNTRY	APPLICATION NO.	FILING DATE	PATENT NO.	GRANT DATE	TITLE
US	17/117,879	Dec 10, 2020			VIRTUAL GUIDANCE FOR ORTHOPEDIC SURGICAL PROCEDURES
US	17/117,860	Dec 10, 2020			MIXED REALITY-AIDED EDUCATION USING VIRTUAL MODELS OR VIRTUAL REPRESENTATIONS FOR ORTHOPEDIC SURGICAL PROCEDURES
US	17/117,820	Dec 10, 2020			MULTI-USER COLLABORATION AND WORKFLOW TECHNIQUES FOR ORTHOPEDIC SURGICAL PROCEDURES USING MIXED REALITY
US	17/117,817	Dec 10, 2020			VIRTUAL GUIDANCE FOR ANKLE SURGERY PROCEDURES
US	17/117,800	Dec 10, 2020			VIRTUAL GUIDANCE FOR ANKLE SURGERY PROCEDURES
US	17/117,793	Dec 10, 2020			AUTOMATED INSTRUMENT OR COMPONENT ASSISTANCE USING EXTERNALLY CONTROLLED LIGHT SOURCES IN ORTHOPEDIC SURGICAL PROCEDURES
US	17/117,779	Dec 10, 2020			MIXED-REALITY SURGICAL SYSTEM WITH PHYSICAL MARKERS FOR REGISTRATION OF VIRTUAL MODELS
US	17/117,756	Dec 10, 2020			MIXED-REALITY SURGICAL SYSTEM WITH PHYSICAL MARKERS FOR REGISTRATION OF VIRTUAL MODELS
US	17/117,731	Dec 10, 2020			CLOSED-LOOP TOOL CONTROL FOR ORTHOPEDIC SURGICAL PROCEDURES
US	17/117,730	Dec 10, 2020			AUTOMATED INSTRUMENT OR COMPONENT ASSISTANCE USING MIXED REALITY IN ORTHOPEDIC SURGICAL PROCEDURES
US	17/117,708	Dec 10, 2020			MIXED REALITY-AIDED SURGICAL ASSISTANCE IN ORTHOPEDIC SURGICAL PROCEDURES
US	17/117,687	Dec 10, 2020			NEURAL NETWORK FOR RECOMMENDATION OF SHOULDER SURGERY TYPE
US	17/117,677	Dec 10, 2020			MIXED REALITY-AIDED DEPTH TRACKING IN ORTHOPEDIC SURGICAL PROCEDURES
US	17/117,654	Dec 10, 2020			MIXED REALITY-AIDED EDUCATION RELATED TO ORTHOPEDIC SURGICAL PROCEDURES
US	17/117,648	Dec 10, 2020			VIRTUAL CHECKLISTS FOR ORTHOPEDIC SURGERY
US	17/117,636	Dec 10, 2020			VISUALIZATION OF INTRAOPERATIVELY MODIFIED SURGICAL PLANS
US	17/117,617	Dec 10, 2020			NEURAL NETWORK FOR DIAGNOSIS OF SHOULDER CONDITION
US	17/117,602	Dec 10, 2020			EXTENDED REALITY VISUALIZATION OF RANGE OF MOTION
US	09/061,608	Apr 16, 1998	5,964,765	Oct 12, 1999	SOFT TISSUE FIXATION DEVICE
US	09/061,473	Apr 16, 1998	6,056,751	May 2, 2000	SUTURELESS SOFT TISSUE FIXATION ASSEMBLY
US	12/074,693	Mar 5, 2008	8,758,406	Jun 24, 2014	TACK ANCHOR SYSTEMS, BONE ANCHOR SYSTEMS, AND METHODS OF USE
US	62/368,036	Jul 28, 2016			STEMLESS PROSTHESIS ANCHOR COMPONENT

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COUNTRY	APPLICATION NO.	FILING DATE	PATENT NO.	GRANT DATE	TITLE
US	62/313,470	Mar 25, 2016			SURGICAL INSTRUMENTATION ASSEMBLY SET AND SURGICAL SHOULDER REPAIR METHOD
US	11/049,413	Feb 1, 2005	8,092,547	Jan 10, 2012	SUBTALAR IMPLANT ASSEMBLY
US	15/058,045	Mar 1, 2016	10,722,374	Jul 28, 2020	CONVERTIBLE GLENOID IMPLANT
US	16/059,569	Aug 9, 2018	10,918,397	Feb 16, 2021	DEVICE FOR MAINTAINING ALIGNMENT OF A CANNULATED SHAFT OVER A GUIDE PIN
US	15/046,295	Feb 17, 2016	10,213,243	Feb 26, 2019	OSTEOTOME EXTRACTOR
US	15/044,441	Feb 16, 2016	10,517,741	Dec 31, 2019	SURGICAL METHOD AND INSTRUMENTATION ASSEMBLY FOR POSITIONING AN ANKLE PROSTHESIS
US	17/044,746	Oct 1, 2020			MODULAR HUMERAL STEM WITH FINE ADJUSTMENT
US	15/039,167	Nov 26, 2014	10,485,535	Nov 26, 2019	HIGH-STRENGTH BIOABSORBABLE SUTURE
US	63/146,278	Feb 5, 2021			COMPUTER-ASSISTED SURGICAL PLANNING
US	13/029,691	Feb 17, 2011	9,204,872	Dec 8, 2015	FULLY THREADED SUTURE ANCHOR WITH INTERNAL RECESSED EYELETS
US	63/139,508	Jan 20, 2021			COMPUTER-ASSISTED RECOMMENDATION OF INPATIENT OR OUTPATIENT CARE FOR SURGERY
US	63/136,502	Jan 12, 2021			COMPUTER-ASSISTED LOWER-EXTREMITY SURGICAL GUIDANCE
US	16/032,020	Jul 10, 2018	10,959,742	Mar 30, 2021	PATIENT SPECIFIC HUMERAL CUTTING GUIDES
US	16/032,005	Jul 10, 2018			PATIENT SPECIFIC HUMERAL CUTTING GUIDES
US	16/031,996	Jul 10, 2018			GUIDES AND INSTRUMENTS FOR IMPROVING ACCURACY OF GLENOID IMPLANT PLACEMENT
US	16/031,995	Jul 10, 2018			GUIDES AND INSTRUMENTS FOR IMPROVING ACCURACY OF GLENOID IMPLANT PLACEMENT
US	16/031,994	Jul 10, 2018			GUIDES AND INSTRUMENTS FOR IMPROVING ACCURACY OF GLENOID IMPLANT PLACEMENT
US	16/031,992	Jul 10, 2018			GUIDES AND INSTRUMENTS FOR IMPROVING ACCURACY OF GLENOID IMPLANT PLACEMENT
US	10/017,104	Dec 14, 2001	6,610,080	Aug 26, 2003	PARABOLIC EYELET SUTURE ANCHOR
US	16/020,890	Jun 27, 2018			AUGMENTED GLENOID COMPONENTS AND DEVICES FOR IMPLANTING THE SAME
US	63/051,660	Jul 14, 2020			DYNAMIC JOINT ANALYSIS FOR JOINT REPLACEMENT
US	63/049,497	Jul 8, 2020			PRE-OPERATIVE PLANNING AND INTRA OPERATIVE GUIDANCE FOR ORTHOPEDIC SURGICAL PROCEDURES IN CASES OF BONE FRAGMENTATION
US	63/038,350	Jun 12, 2020			IMAGE SEGMENTATION FOR SETS OF OBJECTS
US	63/034,092	Jun 3, 2020			IDENTIFICATION OF BONE AREAS TO BE REMOVED DURING SURGERY
US	16/008,471	Jun 14, 2018			PATIENT SPECIFIC INSTRUMENTS AND METHODS FOR JOINT PROSTHESIS

PATENT

REEL: 059659 FRAME: 0906

COUNTRY	APPLICATION NO.	FILING DATE	PATENT NO.	GRANT DATE	TITLE
US	63/029,932	May 26, 2020			ORTHOPEDIC SURGICAL IMPLANT DEVICE WITH POROUS MATERIAL AND FLUID CHANNELS FOR CLEANING THE POROUS MATERIAL
US	63/021,337	May 7, 2020			PRE-MORBID CHARACTERIZATION OF ANATOMICAL OBJECT USING ORTHOPEDIC ANATOMY SEGMENTATION USING HYBRID STATISTICAL SHAPE MODELLING (SSM)
US	63/020,800	May 6, 2020			REGISTRATION MARKER WITH ANTI-ROTATION BASE FOR ORTHOPEDIC SURGICAL PROCEDURES
US	63/019,906	May 4, 2020			MIXED REALITY-BASED SCREW TRAJECTORY GUIDANCE
US	63/019,604	May 4, 2020			SURGICAL SYSTEM FOR REVISION ORTHOPEDIC SURGICAL PROCEDURES
US	63/017,428	Apr 29, 2020			MIXED-REALITY HUMERAL-HEAD SIZING AND PLACEMENT
US	63/012,434	Apr 20, 2020			INSERTER FOR GLENOSPHERE
US	63/008,349	Apr 10, 2020			SIMULATION OF MINIMALLY INVASIVE SURGERY PROCEDURES
US	63/008,339	Apr 10, 2020			SIMULATION OF MINIMALLY INVASIVE SURGERY PROCEDURES USING HAPTIC DEVICE
US	63/004,904	Apr 3, 2020			MIXED REALITY GUIDANCE FOR BONE-GRAFT HARVESTING
WO	PCT/US2014/072443	Dec 26, 2014			STEMLESS HUMERAL ANCHOR
WO	PCT/US2016/18803	Feb 19, 2016			MODULAR HUMERAL IMPLANT
WO	PCT/US2016/036500	Jun 8, 2016			REVERSE SHOULDER SYSTEMS AND METHODS
WO	PCT/US2016/063883	Nov 28, 2016			PATIENT SPECIFIC INSTRUMENTS AND METHODS FOR JOINT PROSTHESES
WO	PCT/US2017/119868	Feb 28, 2017			STEMLESS SHOULDER IMPLANT WITH FIXATION COMPONENTS
WO	PCT/US2017/23305	Mar 21, 2017			SURGICAL INSTRUMENTATION ASSEMBLY SET AND SURGICAL SHOULDER REPAIR METHOD
WO	PCT/US2017/038843	Jun 22, 2017			STEMLESS PROSTHESIS ANCHOR COMPONENT
WO	PCT/US2018/024824	Mar 28, 2018			MODULAR HUMERAL HEAD
WO	PCT/US2018/025737	Apr 2, 2018			ELBOW JOINT PROSTHESES
WO	PCT/US2018/041531	Jul 10, 2018			PATIENT SPECIFIC HUMERAL CUTTING GUIDES
WO	PCT/US2018/041526	Jul 10, 2018			GUIDES AND INSTRUMENTS FOR IMPROVING ACCURACY OF GLENOID IMPLANT PLACEMENT
WO	PCT/US2018/046325	Aug 10, 2018			PATIENT SPECIFIC GLENOID BONE AUGMENT COMPONENTS AND METHODS OF MAKING AND USING THE SAME
WO	PCT/US2018/052294	Sep 21, 2018			PATIENT SPECIFIC STEMLESS PROSTHESIS ANCHOR COMPONENTS
WO	PCT/US2018/055290	Oct 10, 2018			HUMERAL FIXATION PLATE GUIDES
WO	PCT/US2018/068006	Dec 28, 2018			PATIENT SPECIFIC HUMERAL IMPLANT COMPONENTS

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REEL: 059659 FRAME: 0907

COUNTRY	APPLICATION NO.	FILING DATE	PATENT NO.	GRANT DATE	TITLE
WO	PCT/US2019/016702	Feb 5, 2019			PATIENT-SPECIFIC BONE FRACTURE PROSTHESES AND METHODS OF MAKING THE SAME
WO	PCT/US2019/024399	Mar 27, 2019			MODULAR HUMERAL STEM WITH FINE ADJUSTMENT
WO	PCT/US2019/036973	Jun 13, 2019			MIXED-REALITY ENHANCED SURGICAL PLANNING SYSTEM
WO	PCT/US2019/037008	Jun 13, 2019			CLOSED-LOOP TOOL CONTROL FOR ORTHOPEDIC SURGICAL PROCEDURES
WO	PCT/US2019/036992	Jun 13, 2019			MIXED REALITY-AIDED DEPTH TRACKING IN ORTHOPEDIC SURGICAL PROCEDURES
WO	PCT/US19/036971	Jun 13, 2019			MIXED-REALITY SURGICAL SYSTEM WITH PHYSICAL MARKERS FOR REGISTRATION OF VIRTUAL MODELS
WO	PCT/US2019/037003	Jun 13, 2019			MIXED REALITY-AIDED SURGICAL ASSISTANCE IN ORTHOPEDIC SURGICAL PROCEDURES
WO	PCT/US2019/036993	Jun 13, 2019			VISUALIZATION OF INTRAOPERATIVELY MODIFIED SURGICAL PLANS
WO	PCT/US2019/036976	Jun 13, 2019			VIRTUAL GUIDANCE FOR ANKLE SURGERY PROCEDURES
WO	PCT/US2019/036998	Jun 13, 2019			MIXED REALITY INDICATION OF POINTS AT WHICH 3D BONE AND IMPLANT MODELS COLLIDE
WO	PCT/US2019/037007	Jun 13, 2019			AUTOMATED INSTRUMENT OR COMPONENT ASSISTANCE USING MIXED REALITY IN ORTHOPEDIC SURGICAL PROCEDURES
WO	PCT/US2019/037014	Jun 13, 2019			MIXED REALITY-AIDED EDUCATION USING VIRTUAL MODELS OR VIRTUAL REPRESENTATIONS FOR ORTHOPEDIC SURGICAL PROCEDURES
WO	PCT/US2019/036980	Jun 13, 2019			AUTOMATED INSTRUMENT OR COMPONENT ASSISTANCE USING EXTERNALLY CONTROLLED LIGHT SOURCES IN ORTHOPEDIC SURGICAL PROCEDURES
WO	PCT/US2019/036978	Jun 13, 2019			VIRTUAL CHECKLISTS FOR ORTHOPEDIC SURGERY
WO	PCT/US2019/037004	Jun 13, 2019			VIRTUAL GUIDANCE FOR ORTHOPEDIC SURGICAL PROCEDURES
WO	PCT/US2019/036984	Jun 13, 2019			MULTI-USER COLLABORATION AND WORKFLOW TECHNIQUES FOR ORTHOPEDIC SURGICAL PROCEDURES USING MIXED REALITY
WO	PCT/US2019/036996	Jun 13, 2019			MIXED REALITY-AIDED EDUCATION RELATED TO ORTHOPEDIC SURGICAL PROCEDURES
WO	PCT/US2019/36981	Jun 13, 2019			EXTENDED REALITY VISUALIZATION OF RANGE OF MOTION
WO	PCT/US2019/036986	Jun 13, 2019			NEURAL NETWORK FOR DIAGNOSIS OF SHOULDER CONDITION
WO	PCT/US2019/036991	Jun 13, 2019			NEURAL NETWORK FOR RECOMMENDATION OF SHOULDER SURGERY TYPE
WO	PCT/US2019/046039	Aug 9, 2019			GUIDES AND INSTRUMENTS FOR IMPROVING ACCURACY OF GLENOID IMPLANT PLACEMENT

COUNTRY	APPLICATION NO.	FILING DATE	PATENT NO.	GRANT DATE	TITLE
W/O	PCT/US2019/052852	Sep 25, 2019			ELBOW JOINT PROSTHESES
W/O	PCT/US2019/054024	Oct 1, 2019			METAPHYSEAL REFERENCING TECHNIQUE AND INSTRUMENT
W/O	PCT/US2019/054005	Oct 1, 2019			SHOULDER PROSTHESIS COMPONENTS AND ASSEMBLIES
W/O	PCT/US2019/054007	Oct 1, 2019			SHOULDER PROSTHESIS COMPONENTS AND ASSEMBLIES
W/O	PCT/US2019/054023	Oct 1, 2019			MODULAR HUMERAL HEAD
W/O	PCT/US2019/065788	Dec 11, 2019			SOFT TISSUE MODELING AND PLANNING SYSTEM FOR ORTHOPEDIC SURGICAL PROCEDURES
W/O	PCT/US2019/065789	Dec 11, 2019			BONE DENSITY MODELING AND ORTHOPEDIC SURGICAL PLANNING SYSTEM
W/O	PCT/US2019/065799	Dec 11, 2019			ORTHOPEDIC SURGICAL PLANNING BASED ON SOFT TISSUE AND BONE DENSITY MODELING
W/O	PCT/US2019/065793	Dec 11, 2019			SOFT TISSUE STRUCTURE DETERMINATION FROM CT IMAGES
W/O	PCT/US2019/065796	Dec 11, 2019			PLANNING SYSTEM FOR ORTHOPEDIC SURGICAL PROCEDURES
W/O	PCT/US2020/023358	Mar 18, 2020			PRE-MORBID CHARACTERIZATION OF ANATOMICAL OBJECT USING STATISTICAL SHAPE MODELING (SSM)
W/O	PCT/US2020/023365	Mar 18, 2020			PRE-MORBID CHARACTERIZATION OF ANATOMICAL OBJECT USING STATISTICAL SHAPE MODELING (SSM)
W/O	PCT/US2020/023345	Mar 18, 2020			CLOSED SURFACE FITTING FOR SEGMENTATION OF ORTHOPEDIC MEDICAL IMAGE DATA
W/O	PCT/US2020/023361	Mar 18, 2020			PRE-MORBID CHARACTERIZATION OF ANATOMICAL OBJECT USING STATISTICAL SHAPE MODELING (SSM)
W/O	PCT/US2020/031097	May 1, 2020			BONE WALL TRACKING AND GUIDANCE FOR ORTHOPEDIC IMPLANT PLACEMENT
W/O	PCT/US2020/031134	May 1, 2020			GLENOID BASEPLATE AND IMPLANT ASSEMBLIES
W/O	PCT/US2020/031116	May 1, 2020			PATIENT-MATCHED ORTHOPEDIC IMPLANT
W/O	PCT/US2020/031111	May 1, 2020			BONE WALL TRACKING AND GUIDANCE FOR ORTHOPEDIC IMPLANT PLACEMENT
W/O	PCT/US2020/032085	May 8, 2020			AUTOMATED PLANNING OF SHOULDER STABILITY ENHANCEMENT SURGERIES
W/O	PCT/US2020/043218	Jul 23, 2020			POSITIONING A CAMERA FOR PERSPECTIVE SHARING OF A SURGICAL SITE
W/O	PCT/US2020/044889	Aug 4, 2020			PRE-OPERATIVE PLANNING OF BONE GRAFT TO BE HARVESTED FROM DONOR SITE
W/O	PCT/US2020/045211	Aug 6, 2020			APPARATUSES AND METHODS FOR IMPLANTING GLENOID PROSTHESES
W/O	PCT/US2020/046484	Aug 14, 2020			PRE-OPERATIVE PLANNING OF SURGICAL REVISION PROCEDURES FOR ORTHOPEDIC JOINTS

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REEL: 059659 FRAME: 0909

COUNTRY	APPLICATION NO.	FILING DATE	PATENT NO.	GRANT DATE	TITLE
W/O	PCT/US2020/053384	Sep 30, 2020			CASCADE OF MACHINE LEARNING MODELS TO SUGGEST IMPLANT COMPONENTS FOR USE IN ORTHOPEDIC JOINT REPAIR SURGERIES
W/O	PCT/US2020/053629	Sep 30, 2020			SHOULDER PROSTHESIS COMPONENTS AND ASSEMBLIES
W/O	PCT/US2020/053625	Sep 30, 2020			REVERSE SHOULDER SYSTEMS
W/O	PCT/US2020/056500	Oct 20, 2020			USE OF BONY LANDMARKS IN COMPUTERIZED ORTHOPEDIC SURGICAL PLANNING
W/O	PCT/US2020/061585	Nov 20, 2020			TARGETING TOOL FOR VIRTUAL SURGICAL GUIDANCE
W/O	PCT/US2020/061608	Nov 20, 2020			PRE-OPERATIVE PLANNING AND INTRA OPERATIVE GUIDANCE FOR ORTHOPEDIC SURGICAL PROCEDURES IN CASES OF BONE FRAGMENTATION
W/O	PCT/US2020/061598	Nov 20, 2020			TRACKING SURGICAL PIN
W/O	PCT/US2020/061604	Nov 20, 2020			VIRTUAL GUIDANCE FOR CORRECTING SURGICAL PIN INSTALLATION
W/O	PCT/US2020/062567	Nov 30, 2020			MACHINE-LEARNED MODELS IN SUPPORT OF SURGICAL PROCEDURES
W/O	PCT/US2020/065380	Dec 16, 2020			SURGICAL GUIDANCE FOR SURGICAL TOOLS
W/O	PCT/US2021/016232	Feb 2, 2021			MIXED REALITY GUIDANCE FOR BONE-GRAFT HARVESTING
W/O	PCT/US2021/016235	Feb 2, 2021			MIXED-REALITY HUMERAL-HEAD SIZING AND PLACEMENT
W/O	PCT/US2021/018118	Feb 15, 2021			COMPUTER-IMPLEMENTED SURGICAL PLANNING BASED ON BONE LOSS DURING ORTHOPEDIC REVISION SURGERY
W/O	PCT/US2021/018533	Feb 18, 2021			COMPUTERIZED RECOMMENDATION OF HUMERAL PROSTHESIS FOR SHOULDER SURGERY
W/O	PCT/US2021/023439	Mar 22, 2021			METAPHYSEAL REFERENCING TECHNIQUE AND INSTRUMENT
W/O	PCT/US2021/026191	Apr 7, 2021			PRE-MORBID CHARACTERIZATION OF ANATOMICAL OBJECT USING ORTHOPEDIC ANATOMY SEGMENTATION USING HYBRID STATISTICAL SHAPE MODELING (SSM)
W/O	PCT/US2021/026441	Apr 8, 2021			SURGICAL SYSTEM FOR REVISION ORTHOPEDIC SURGICAL PROCEDURES
W/O	PCT/US2021/026665	Apr 9, 2021			SIMULATION OF MINIMALLY INVASIVE SURGERY PROCEDURES
W/O	PCT/US2021/027891	Apr 19, 2021			INSERTER FOR GLENOSPHERE
W/O	PCT/US2021/029572	Apr 28, 2021			MIXED REALITY-BASED SCREW TRAJECTORY GUIDANCE
W/O	PCT/US2021/029904	Apr 29, 2021			IDENTIFICATION OF BONE AREAS TO BE REMOVED DURING SURGERY

PATENT

REEL: 059659 FRAME: 0910

RECORDED: 04/11/2022