

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3590704

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
OTISMED CORPORATION	10/05/2015
RECEIVING PARTY DATA	
Name:	HOWMEDICA OSTEONICS CORPORATION
Street Address:	325 CORPORATE DRIVE
City:	MAHWAH
State/Country:	NEW JERSEY
Postal Code:	07430
PROPERTY NUMBERS Total: 43	
Property Type	Number
Patent Number:	8460302
Patent Number:	8828011
Patent Number:	8480679
Patent Number:	8221430
Patent Number:	8715291
Patent Number:	8737700
Patent Number:	8617171
Patent Number:	8968320
Patent Number:	8777875
Patent Number:	8545509
Patent Number:	8961527
Patent Number:	9017336
Patent Number:	8734455
Patent Number:	8460303
Patent Number:	D642263
Patent Number:	D691719
Patent Number:	8777955
Patent Number:	8311306
Patent Number:	8160345
Patent Number:	8532361

PATENT

Property Type	Number
Patent Number:	8483469
Patent Number:	8801720
Patent Number:	8801719
Patent Number:	8882779
Patent Number:	8617175
Application Number:	13923093
Application Number:	14084255
Application Number:	14011998
Application Number:	14476500
Application Number:	11642385
Application Number:	12391008
Application Number:	11946002
Application Number:	13731697
Application Number:	14272147
Application Number:	14335431
Application Number:	14335460
Application Number:	14824731
Application Number:	14869762
Application Number:	14086849
Application Number:	14086878
Application Number:	13749095
Application Number:	13960498
PCT Number:	US2014030496

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 065618-422840

NAME OF SUBMITTER: DONNA CARRERA

SIGNATURE: /Donna Carrera for S. Wade Johnson/

DATE SIGNED: 10/28/2015

Total Attachments: 9

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ASSIGNMENT

WHEREAS, OtisMed Corporation, a corporation organized and existing under the laws of the State of California and having its principal place of business at 2825 Airview Blvd., Kalamazoo, Michigan 49002 USA (hereinafter, the "Assignor"), is the owner of a right, title and interest in and to certain new and useful systems, devices, and methods disclosed and described in the patents and patent applications listed in the attached SCHEDULE A.

WHEREAS, Assignor desires to assign any and all right, title and interest to said Letters Patents and Patent Applications, and any continuations, continuations-in-part, divisionals, international, foreign, regional and convention applications corresponding thereto, and any and all Letters Patent of the United States and countries and regions foreign thereto which may grant or have granted thereto or be lodged in relation thereto, any reissue or reexamination thereof or to be obtained therefor, any renewals, or substitutes thereof, and any and all priority rights or priority claims, International Convention rights, any and all rights to collect past damages for infringement of any and all Letters Patent of the United States and countries and regions foreign thereto which may be published, which may grant, or have granted thereto or be lodged in relation thereto, and other benefits accruing to or to accrue to Assignor with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto (the "Patent Rights");

WHEREAS, Howmedica Osteonics Corporation, a corporation organized and existing under the laws of the State of Delaware and having its principal place of business at 325 Corporate Drive, Mahwah, New Jersey 07430 USA (the "Assignee"), desires to acquire any and all, right, title, and interest of Assignor in and to the invention(s), the Patent Rights, and in, to, and under any and all Letters Patent to be obtained therefor;

NOW THEREFORE, for the sum of \$1.00 and other good and valuable consideration to Assignor in hand paid, the receipt and sufficiency of which are hereby acknowledged, Assignor has sold, assigned, and transferred and by these presents does hereby sell, assign and transfer to the said Assignee, and said Assignee's legal representatives, successors and assigns, any and all of the entire right, title and interest in and to the invention(s), Patent Rights, and any and all Letters Patent to be obtained therefor;

UPON SAID CONSIDERATION, the Assignor hereby covenants and agrees with the said Assignee that it will not execute any writing or do any act whatsoever conflicting with these presents, and that it will, at any time upon request, without further or additional consideration, but at the expense of the said Assignee, execute such additional assignments and other writings and do such additional acts as said Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, continuations, continuations-in-part, continuing prosecutions, divisionals, renewals, reissues, reexamined or extended Letters Patent of the United States, or of any and all foreign countries, on said Patent Rights, and execute confirmatory assignments or acknowledgments of this assignment as necessary for full enjoyment of the Patent Rights and for recording in foreign patent offices, and in enforcing any rights or choses in action accruing as a result of such Patent Rights, by giving testimony in any proceedings or transactions involving such Patent Rights, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of both parties;


UPON SAID CONSIDERATION, Assignor represents and warrants that Assignor has the right, title, and authority to execute this Assignment and to convey any and all right, title, and interest in the Patent Rights, and that Assignor has not conveyed nor will convey hereafter all or part of the Patent Rights to a third party;

ASSIGNOR HEREBY AUTHORIZES said Assignee, its successors, and assigns, or anyone it may properly designate, to apply for Letters Patent in the U.S. and any and all foreign countries and regions, in its own name if desired, and additionally to claim priority to the filing date of the Utility Application and otherwise take advantage of the provisions of any international conventions.

IN WITNESS WHEREOF, the Assignor hereunto has executed this Assignment upon the date indicated below.

OTISMED CORPORATION

Date: 10-5-2015

By: 
Name: David Floyd
Title: Group President, Orthopaedics

ACCEPTANCE OF ASSIGNMENT

The Assignee hereby acknowledges and accepts the foregoing assignment of rights by Assignor.

IN TESTIMONY WHEREOF, the Assignee, by its undersigned officer, confirms its acceptance on the date and in the place set forth below.

HOWMEDICA OSTEONICS CORPORATION

Date: 10/5/15

By: 
Name: Greg Plaskon
Title: VP, Intellectual Property

SCHEDULE A
 OtisMed Corporation Active Patents 9-30-2015

Country ID	Reference #	Client Reference	Title	Serial #	Filed Date	Issue Date	Patent #	Status	Inventor Names Combined
AU	065618-423651	P2208	GENERATION OF A COMPUTERIZED BONE MODEL REPRESENTATIVE OF A PRE-DEGENERATED STATE AND USEABLE IN THE DESIGN AND MANUFACTURE OF ARTHROPLASTY DEVICES (Bone Restoration)	2009241396	4/23/2009	2/20/2014	2009241396	ISSUED	Ihwan Park Charlie W. Chi Stephen M. Howell
AU	065618-423982	P2207	SYSTEM AND METHOD FOR MANUFACTURING ARTHROPLASTY JIGS (Open Loop)	2008338828	11/11/2008	1/9/2014	2008338828	ISSUED	Ihwan Park Stephen M. Howell
AU	065618-423650	P2213	SYSTEM AND METHOD FOR MANUFACTURING ARTHROPLASTY JIGS HAVING IMPROVED MATING ACCURACY (Over-Estimation)	2009274214	7/20/2009	3/4/2013	2009274214	ISSUED	Ihwan Park
AU	065618-451303	P2213	SYSTEM AND METHOD FOR MANUFACTURING ARTHROPLASTY JIGS HAVING IMPROVED MATING ACCURACY (Over-Estimation)	2013200861	2/15/2013			ALLOWED	Ihwan Park
AU	065618-423652	P2212	SYSTEM AND METHOD FOR IMAGE SEGMENTATION IN GENERATING COMPUTER MODELS OF A JOINT TO UNDERGO ARTHROPLASTY (Auto-Segmentation)	2009241518	4/15/2009	10/31/2013	2009241518	ISSUED	Elena Pavlovskaja Venkata S. Sarva
BE	065618-491077	P2209	UNICOMPARTMENTAL CUSTOMIZED ARTHROPLASTY CUTTING JIGS AND METHODS OF MAKING THE SAME	09835583.7	12/15/2009	7/1/2015	2387367	ISSUED	Ihwan Park Michael Koehle Lorenzo R. Deveza
CA	065618-423601	P2208	GENERATION OF A COMPUTERIZED BONE MODEL REPRESENTATIVE OF A PRE-DEGENERATED STATE AND USEABLE IN THE DESIGN AND MANUFACTURE OF ARTHROPLASTY DEVICES (Bone Restoration)	2721735	4/23/2009			PUBLISHED	Ihwan Park Charlie W. Chi Stephen M. Howell
CA	065618-423987	P2207	SYSTEM AND METHOD FOR MANUFACTURING ARTHROPLASTY JIGS (Open Loop)	2708393	11/11/2008			PUBLISHED	Ihwan Park Stephen M. Howell
CA	065618-446673	P2216	PREOPERATIVELY PLANNING AN ARTHROPLASTY PROCEDURE AND GENERATING A CORRESPONDING PATIENT SPECIFIC ARTHROPLASTY RESECTION GUIDE (OtisMA)	2793538	4/13/2011			PUBLISHED	Ihwan Park Keun Song Oleg Mishin Michael Santarella

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CA	065618-423567	P2213	SYSTEM AND METHOD FOR MANUFACTURING ARTHROPLASTY JIGS HAVING IMPROVED MATING ACCURACY (Over-Estimation)	2730947	7/20/2009	8/20/2013	2730947	ISSUED	Iwghan Park
CA	065618-423597	P2208	ARTHROPLASTY JIGS AND RELATED METHODS	2642616	1/19/2007			PUBLISHED	Iwghan Park Charlie W. Chi
CA	065618-423985	P2212	SYSTEM AND METHOD FOR IMAGE SEGMENTATION IN GENERATING COMPUTER MODELS OF A JOINT TO UNDERGO ARTHROPLASTY (Auto-Segmentation)	2721762	4/15/2009			PUBLISHED	Elena Pavlovskaia Venkata S. Sarva
CN	065618-423582	P2213	SYSTEM AND METHOD FOR MANUFACTURING ARTHROPLASTY JIGS HAVING IMPROVED MATING ACCURACY (Over-Estimation)	200980136943.4	7/20/2009	8/20/2014	ZL200980136943.4	ISSUED	Iwghan Park
DE	065618-491080	P2209	UNICOMPARTMENTAL CUSTOMIZED ARTHROPLASTY CUTTING JIGS AND METHODS OF MAKING THE SAME	09835583.7	12/15/2009	7/1/2015	2387367	ISSUED	Iwghan Park Michael Koehle Lorenzo R. Deveza
EP	065618-423573	P2208	GENERATION OF A COMPUTERIZED BONE MODEL REPRESENTATIVE OF A PRE-DEGENERATED STATE AND USEABLE IN THE DESIGN AND MANUFACTURE OF ARTHROPLASTY DEVICES (Bone Restoration)	09739474.6	4/23/2009			PUBLISHED	Iwghan Park Charlie W. Chi Stephen M. Howell
EP	065618-423605	P2207	SYSTEM AND METHOD FOR MANUFACTURING ARTHROPLASTY JIGS (Open Loop)	08863202.1	11/11/2008			PUBLISHED	Iwghan Park Stephen M. Howell
EP	065618-423580	P2207	SYSTEM AND METHOD FOR MANUFACTURING ARTHROPLASTY JIGS (Open Loop)	10192631.9	11/11/2008			PUBLISHED	Iwghan Park Stephen M. Howell
EP	065618-446672	P2216	PREOPERATIVELY PLANNING AN ARTHROPLASTY PROCEDURE AND GENERATING A CORRESPONDING PATIENT SPECIFIC ARTHROPLASTY RESECTION GUIDE (Otisma)	1.1769533.8	4/13/2011			PUBLISHED	Iwghan Park Keun Song Oleg Mishin Michael Santarella
EP	065618-423569	P2213	SYSTEM AND METHOD FOR MANUFACTURING ARTHROPLASTY JIGS HAVING IMPROVED MATING ACCURACY (Over-Estimation)	09800841.0	7/20/2009			PUBLISHED	Iwghan Park
EP	065618-424919	P2215	ARTHROPLASTY SYSTEM AND RELATED METHODS (POP 1)	09823986.6	9/30/2009			PUBLISHED	Iwghan Park Charlie W. Chi Stephen M. Howell
EP	065618-424001	P2203	ARTHROPLASTY JIGS AND RELATED METHODS	07749030.8	1/19/2007			PUBLISHED	Iwghan Park Charlie W. Chi

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EP	065618-423571	P2211	TOTAL HIP REPLACEMENT SURGICAL GUIDE TOOL	09718041.8	2/24/2009				PUBLISHED	Iwghan Park Michael Koehle Lorenzo R. Deveza
EP	065618-423607	P2210	HIP RESURFACING SURGICAL GUIDE TOOL	09718014.5	2/24/2009				PUBLISHED	Iwghan Park Michael Koehle Lorenzo R. Deveza
EP	065618-423658	P2212	SYSTEM AND METHOD FOR IMAGE SEGMENTATION IN GENERATING COMPUTER MODELS OF A JOINT TO UNDERGO ARTHROPLASTY (Auto-Segmentation)	09739422.5	4/15/2009				PUBLISHED	Elena Pavlovskaja Venkata S. Sarva
EP	065618-427309	P2209	UNICOMPARTMENTAL CUSTOMIZED ARTHROPLASTY CUTTING JIGS AND METHODS OF MAKING THE SAME	09835583.7	12/15/2009	2387367	7/1/2015		ISSUED	Iwghan Park Michael Koehle Lorenzo R. Deveza
EP	065618-463842	P2223	CUSTOMIZED ARTHROPLASTY CUTTING GUIDES AND SURGICAL METHODS USING THE SAME	13188389.4	10/11/2013				PUBLISHED	Keun Song
FR	065618-491079	P2209	UNICOMPARTMENTAL CUSTOMIZED ARTHROPLASTY CUTTING JIGS AND METHODS OF MAKING THE SAME	09835583.7	12/15/2009	2387367	7/1/2015		ISSUED	Iwghan Park Michael Koehle Lorenzo R. Deveza
GB	065618-491078	P2209	UNICOMPARTMENTAL CUSTOMIZED ARTHROPLASTY CUTTING JIGS AND METHODS OF MAKING THE SAME	09835583.7	12/15/2009	2387367	7/1/2015		ISSUED	Iwghan Park Michael Koehle Lorenzo R. Deveza
IN	065618-423568	P2208	GENERATION OF A COMPUTERIZED BONE MODEL REPRESENTATIVE OF A PRE-DEGENERATED STATE AND USEABLE IN THE DESIGN AND MANUFACTURE OF ARTHROPLASTY DEVICES (Bone Restoration)	3927/KOLNP/2010	4/20/2010				PUBLISHED	Iwghan Park Charlie W. Chi Stephen M. Howell
IN	065618-423983	P2207	SYSTEM AND METHOD FOR MANUFACTURING ARTHROPLASTY JIGS (Open Loop)	2317/KOLNP/2010	11/11/2008				PUBLISHED	Iwghan Park Stephen M. Howell
IN	065618-423644	P2213	SYSTEM AND METHOD FOR MANUFACTURING ARTHROPLASTY JIGS HAVING IMPROVED MATING ACCURACY (Over-Estimation)	673/KOLNP/2011	7/20/2009				PUBLISHED	Iwghan Park
IN	065618-424924	P2215	ARTHROPLASTY SYSTEM AND RELATED METHODS (POP 1)	2798/DELNP/2011	9/30/2009				PUBLISHED	Iwghan Park Charlie W. Chi Stephen M. Howell
IN	065618-423620	P2212	SYSTEM AND METHOD FOR IMAGE SEGMENTATION IN GENERATING COMPUTER MODELS OF A JOINT TO UNDERGO ARTHROPLASTY (Auto-Segmentation)	3929/KOLNP/2010	4/15/2009				PUBLISHED	Elena Pavlovskaja Venkata S. Sarva

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JP	065618-423561	P2208	GENERATION OF A COMPUTERIZED BONE MODEL REPRESENTATIVE OF A PRE-DEGENERATED STATE AND USEABLE IN THE DESIGN AND MANUFACTURE OF ARTHROPLASTY DEVICES (Bone Restoration)	2011-507545	4/23/2009	1/16/2015	5681098	ISSUED	Iliwhan Park Charlie W. Chi Stephen M. Howell
JP	065618-480551	P2207	SYSTEM AND METHOD FOR MANUFACTURING ARTHROPLASTY JIGS (Open Loop)	2014-147908	7/18/2014			PUBLISHED	Iliwhan Park Stephen M. Howell
JP	065618-423653	P2212	SYSTEM AND METHOD FOR IMAGE SEGMENTATION IN GENERATING COMPUTER MODELS OF A JOINT TO UNDERGO ARTHROPLASTY (Auto-Segmentation)	2011-507530	4/15/2009	1/23/2015	5684702	ISSUED	Elena Pavlovskaja Venkata S. Sarva
US	065618-423984	P2201	ARTHROPLASTY DEVICES AND RELATED METHODS	11/641,382	12/18/2006	6/11/2013	8,460,302	ISSUED	Iliwhan Park Charlie W. Chi
US	065618-450893	P2201	ARTHROPLASTY DEVICES AND RELATED METHODS	13/730,467	12/28/2012	9/9/2014	8,828,011	ISSUED	Iliwhan Park Charlie W. Chi
US	065618-423995	P2208	GENERATION OF A COMPUTERIZED BONE MODEL REPRESENTATIVE OF A PRE-DEGENERATED STATE AND USEABLE IN THE DESIGN AND MANUFACTURE OF ARTHROPLASTY DEVICES (Bone Restoration)	12/111,924	4/29/2008	7/9/2013	8,480,679	ISSUED	Iliwhan Park Charlie W. Chi Stephen M. Howell
US	065618-458561	P2208	GENERATION OF A COMPUTERIZED BONE MODEL REPRESENTATIVE OF A PRE-DEGENERATED STATE AND USEABLE IN THE DESIGN AND MANUFACTURE OF ARTHROPLASTY DEVICES (Bone Restoration)	13/923,093	6/20/2013			PUBLISHED	Iliwhan Park Charlie W. Chi
US	065618-423680	P2207	SYSTEM AND METHOD FOR MANUFACTURING ARTHROPLASTY JIGS (Open Loop)	11/959,344	12/18/2007	7/17/2012	8,221,430	ISSUED	Iliwhan Park Stephen M. Howell
US	065618-424719	P2214	ARTHROPLASTY SYSTEM AND RELATED METHODS (POP 2)	12/546,545	8/24/2009	5/6/2014	8,715,291	ISSUED	Iliwhan Park Venkata Surya Sarva Irene Min Choi
US	065618-424366	P2216	PREOPERATIVELY PLANNING AN ARTHROPLASTY PROCEDURE AND GENERATING A CORRESPONDING PATIENT SPECIFIC ARTHROPLASTY RESECTION GUIDE (OtisMA)	12/760,388	4/14/2010	5/27/2014	8,737,700	ISSUED	Iliwhan Park Keun Song Oleg Mishin Michael Santarella
US	065618-425648	P2220	PREOPERATIVELY PLANNING AN ARTHROPLASTY PROCEDURE AND GENERATING A CORRESPONDING PATIENT SPECIFIC ARTHROPLASTY RESECTION GUIDE (OtisMA)	13/086,275	4/13/2011	12/31/2013	8,617,171	ISSUED	Iliwhan Park Keun Song Oleg Mishin Michael Santarella

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REEL: 036904 FRAME: 0259

US	065618-439962	P2207	SYSTEM AND METHOD FOR MANUFACTURING ARTHROPLASTY JIGS (Open Loop)	13/488,505	6/5/2012	3/3/2015	8,968,320	ISSUED	Iliwhan Park Stephen M. Howell
US	065618-463502	P2220	PREOPERATIVELY PLANNING AN ARTHROPLASTY PROCEDURE AND GENERATING A CORRESPONDING PATIENT SPECIFIC ARTHROPLASTY RESECTION GUIDE (OrisMA)	14/084,255	11/19/2013			PUBLISHED	Iliwhan Park Keun Song Oleg Mishin Michael Santarella
US	065618-424704	P2213	SYSTEM AND METHOD FOR MANUFACTURING ARTHROPLASTY JIGS HAVING IMPROVED MATING ACCURACY (Over-Estimation)	12/505,056	7/17/2009	7/15/2014	8,777,875	ISSUED	Iliwhan Park
US	065618-424707	P2215	ARTHROPLASTY SYSTEM AND RELATED METHODS (Open Loop)	12/563,809	9/21/2009	10/1/2013	8,545,509	ISSUED	Iliwhan Park Charlie W. Chi Stephen M. Howell
US	065618-450959	P2213	SYSTEM AND METHOD FOR MANUFACTURING ARTHROPLASTY JIGS HAVING IMPROVED MATING ACCURACY (Over-Estimation)	13/731,850	12/31/2012	2/24/2015	8,961,527	ISSUED	Iliwhan Park
US	065618-461608	P2215	ARTHROPLASTY SYSTEM AND RELATED METHODS	14/011,998	8/28/2013			PUBLISHED	Iliwhan Park Charlie W. Chi Stephen M. Howell
US	065618-479993	P2213	ARTHROPLASTY JIGS WITH MATING ACCURACY	14/476,500	9/3/2014			PUBLISHED	Iliwhan Park
US	065618-423980	P2203	ARTHROPLASTY DEVICES AND RELATED METHODS	11/656,323	1/19/2007	4/28/2015	9,017,336	ISSUED	Iliwhan Park Stephen M. Howell Charlie W. Chi
US	065618-424002	P2202	ARTHROPLASTY DEVICES AND RELATED METHODS	11/642,385	12/19/2006			PUBLISHED	Iliwhan Park Charlie W. Chi
US	065618-424679	P2210	HIP RESURFACING SURGICAL GUIDE TOOL	12/390,667	2/23/2009	5/27/2014	8,734,455	ISSUED	Iliwhan Park Michael Koehle Lorenzo R. Deveza
US	065618-424375	P2208	TOTAL HIP REPLACEMENT SURGICAL GUIDE TOOL	12/391,008	2/23/2009			PUBLISHED	Iliwhan Park Michael Koehle Lorenzo R. Deveza
US	065618-423989	P2206	GENERATING MRI IMAGES USABLE FOR THE CREATION OF 3D BONE MODELS EMPLOYED TO MAKE CUSTOMIZED ARTHROPLASTY JIGS	11/946,002	11/27/2007			PUBLISHED	Iliwhan Park Stephen M. Howell
US	065618-423978	P2204	ARTHROPLASTY SYSTEMS AND DEVICES, AND RELATED METHODS	11/924,425	10/25/2007	6/11/2013	8,460,303	ISSUED	Iliwhan Park
US	065618-423163	P2205	ARTHROPLASTY JIG BLANK	29/296,687	10/25/2007	7/26/2011	D642,263	ISSUED	Iliwhan Park
US	065618-427752	P2205	ARTHROPLASTY JIG BLANK	29/394,882	6/22/2011	10/15/2013	D691,719	ISSUED	Iliwhan Park
US	065618-449423	P2204	ARTHROPLASTY SYSTEMS AND DEVICES, AND RELATED METHODS	13/723,904	12/21/2012	7/15/2014	8,777,955	ISSUED	Iliwhan Park

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US	065618-424666	P2212	SYSTEM AND METHOD FOR IMAGE SEGMENTATION IN GENERATING COMPUTER MODELS OF A JOINT TO UNDERGO ARTHROPLASTY (Auto-Segmentation)	12/386,105	4/14/2009	11/13/2012	8,311,306	ISSUED	Elena Pavlovskaja Venkata S. Sarva
US	065618-425566	P2222	SYSTEM AND METHOD FOR IMAGE SEGMENTATION IN GENERATING COMPUTER MODELS OF A JOINT TO UNDERGO ARTHROPLASTY	13/066,568	4/18/2011	4/17/2012	8,160,345	ISSUED	Oleg Mishin Elena Pavlovskaja Boris E. Shpungin
US	065618-436707	P2222	SYSTEM AND METHOD FOR IMAGE SEGMENTATION IN GENERATING COMPUTER MODELS OF A JOINT TO UNDERGO ARTHROPLASTY	13/374,960	1/25/2012	9/10/2013	8,532,361	ISSUED	Elena Pavlovskaja Oleg Mishin Boris E. Shpungin
US	065618-447506	P2222	SYSTEM AND METHOD FOR IMAGE SEGMENTATION IN GENERATING COMPUTER MODELS OF A JOINT TO UNDERGO ARTHROPLASTY	13/573,662	10/2/2012	7/9/2013	8,483,469	ISSUED	Elena Pavlovskaja Venkata S. Sarva
US	065618-450965	P2222	SYSTEM AND METHOD FOR IMAGE SEGMENTATION IN GENERATING COMPUTER MODELS OF A JOINT TO UNDERGO ARTHROPLASTY (Auto-Segmentation)	13/731,697	12/31/2012			ALLOWED	Elena Pavlovskaja Oleg Mishin Boris E. Shpungin
US	065618-424732	P2200	TOTAL JOINT ARTHROPLASTY SYSTEM	11/641,569	12/18/2006	8/12/2014	8,801,720	ISSUED	Ilwhan Park Lacerial Pearson Stephen M. Samuel
US	065618-450884	P2200	TOTAL JOINT ARTHROPLASTY SYSTEM	13/730,585	12/28/2012	8/12/2014	8,801,719	ISSUED	Ilwhan Park Lacerial Pearson Stephen M. Samuel
US	065618-450902	P2200	TOTAL JOINT ARTHROPLASTY SYSTEM	13/730,608	12/28/2012	11/11/2014	8,882,779	ISSUED	Ilwhan Park Lacerial Pearson Stephen M. Samuel
US	065618-474086	P2200	TOTAL JOINT ARTHROPLASTY SYSTEM	14/272,147	5/7/2014			PUBLISHED	Ilwhan Park Lacerial Pearson Stephen M. Samuel
US	065618-478933	P2200	ARTHROPLASTY JIG AND METHOD OF PERFORMING ARTHROPLASTY	14/335,431	7/18/2014			PUBLISHED	Ilwhan Park Lacerial Pearson Stephen M. Samuel
US	065618-478932	P2200	ARTHROPLASTY JIG	14/335,460	7/18/2014			PUBLISHED	Ilwhan Park Lacerial Pearson Stephen M. Samuel
US	065618-497807	P2200	ARTHROPLASTY JIG TrackOne	14/824,731	8/12/2015			PENDING	Ilwhan Park Lacerial Pearson Stephen M. Samuel
US	065618-501368	P2200	Method of Manufacturing a Custom Arthroplasty Guide	14/869,762	9/29/2015			PENDING	Ilwhan Park Lacerial Pearson Stephen M. Samuel

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REEL: 036904 FRAME: 0261

US	065618-424636	P2209	UNICOMPARTMENTAL CUSTOMIZED ARTHROPLASTY CUTTING JIGS AND METHODS OF MAKING THE SAME	12/636,939	12/14/2009	12/31/2013	8,617,175	ISSUED	Iwihan Park Michael Koehle Lorenzo R. Deveza
US	065618-464746	P2209	UNICOMPARTMENTAL CUSTOMIZED ARTHROPLASTY CUTTING JIGS	14/086,849	11/21/2013			PUBLISHED	Iwihan Park Michael Koehle Lorenzo R. Deveza
US	065618-464747	P2209	UNICOMPARTMENTAL CUSTOMIZED ARTHROPLASTY CUTTING JIGS	14/086,878	11/21/2013			PUBLISHED	Iwihan Park Michael Koehle Lorenzo R. Deveza
US	065618-448722	P2223	CUSTOMIZED ARTHROPLASTY CUTTING GUIDES AND SURGICAL METHODS USING THE SAME	13/749,095	1/24/2013			PUBLISHED	Keun Song
US	065618-454550	P2224	CUSTOMIZED ACETABULAR CUP POSITIONING GUIDE AND SYSTEM AND METHOD OF GENERATING AND EMPLOYING SUCH A GUIDE	13/960,498	8/6/2013			PUBLISHED	Keun Song
WO	065618-465149	P2225	GENERATION OF A MATING SURFACE MODEL FOR PATIENT SPECIFIC CUTTING GUIDE BASED ON ANATOMICAL MODEL SEGMENTATION	PCT/US2014/030496	3/17/2014			PUBLISHED	Elena I. Pavlovskaja Boris E. Shpungin Oleg Mishin Olga Sominskaya