

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5834308

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
OLEG MISHIN	07/29/2011
ELENA PAVLOVSKAIA	07/29/2011
BORIS E. SHPUNGIN	07/29/2011
ILWHAN PARK	11/19/2009
VENKATA SURYA SARVA	11/19/2009
IRENE MIN CHOI	11/19/2009
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	OTISMED CORPORATION
<b>Street Address:</b>	2825 AIRVIEW BLVD.
<b>City:</b>	KALAMAZOO
<b>State/Country:</b>	MICHIGAN
<b>Postal Code:</b>	49002
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16522281
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(816)753-1536
<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>	
<b>Phone:</b>	8167531000
<b>Email:</b>	uspt@polsinelli.com, dcarrera@polsinelli.com
<b>Correspondent Name:</b>	POLSINELLI PC
<b>Address Line 1:</b>	900 W. 48TH PL.
<b>Address Line 2:</b>	SUITE 900
<b>Address Line 4:</b>	KANSAS CITY, MISSOURI 64112
<b>ATTORNEY DOCKET NUMBER:</b>	065618-608117
<b>NAME OF SUBMITTER:</b>	DONNA CARRERA
<b>SIGNATURE:</b>	/Donna Carrera for Joshua Pranckun/
<b>DATE SIGNED:</b>	11/22/2019

**Total Attachments: 6**

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source=Assignment\_Park, Sarva, Choi to OtisMed#page1.tif

source=Assignment\_Park, Sarva, Choi to OtisMed#page2.tif

source=Assignment\_Park, Sarva, Choi to OtisMed#page3.tif

<b>ASSIGNMENT OF UTILITY APPLICATION</b>	Docket Number (Optional) 065618-425566
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Whereas, I, Oleg Mishin of  
653 Scorpio Lane, Foster City, California 94404 USA

hereafter referred to as assignor, have with others invented certain new and useful improvements in  
**SYSTEM AND METHOD FOR IMAGE SEGMENTATION IN GENERATING COMPUTER  
MODELS OF A JOINT TO UNDERGO ARTHROPLASTY**

☒ for which an application for a United States Letters Patent was filed on April 18, 2011  
Application Number 13/066,568

☐ for which an application for a United States Letters Patent was executed by me on \_\_\_\_\_  
and \_\_\_\_\_

Whereas, OtisMed Corporation  
a corporation of California herein referred to as "assignee" whose mailing address is  
1600 Harbor Bay Parkway, Suite 200, Alameda, California 94502  
is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00 ), the receipt whereof  
is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said  
assignee my entire right, title and interest for the United States of America and all other countries in and to said  
invention and the aforesaid utility patent application and all original, divisional, continuation, continuation-in-part,  
substitute or reissue applications and patents applied for or granted therefor in the United States of America and all  
other countries, for said invention, including without limitation all applications and patents for said invention claiming  
priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including the right to claim such  
priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all  
patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest  
therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant  
without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications  
for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate  
to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever  
requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may  
become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid  
assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the  
expenses incident to said applications to be borne and paid by said assignee.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application  
when known.

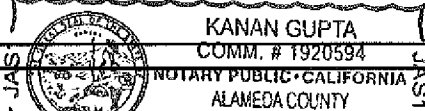
23 July 2011 (Date)                      [Signature] (Signature)

State of CALIFORNIA ) SS:  
County of ALAMEDA )

On this 29<sup>th</sup> day of July, 2011 before me personally came the above-named, Oleg  
Mishin, to me personally known as the individual who executed the foregoing instrument, who acknowledged to me  
that the same was executed by him/her of his/her own free will for the purposes therein set forth.

K. Gupta  
(Notary Public)

☐ \*Total of \_\_\_\_\_ forms are submitted.



**ASSIGNMENT OF UTILITY APPLICATION**

Docket Number (Optional)

065618-425566

Whereas, I, Elena Pavlovskaja of  
933 Teresita Blvd., San Francisco, California 94125 USA

hereafter referred to as assignor, have with others invented certain new and useful improvements in  
**SYSTEM AND METHOD FOR IMAGE SEGMENTATION IN GENERATING COMPUTER  
 MODELS OF A JOINT TO UNDERGO ARTHROPLASTY**

- ☒ for which an application for a United States Letters Patent was filed on April 18, 2011  
 Application Number 13/066,568
- ☐ for which an application for a United States Letters Patent was executed by me on \_\_\_\_\_  
 and \_\_\_\_\_

Whereas, OtisMed Corporation  
 a corporation of California herein referred to as "assignee" whose mailing address is  
1600 Harbor Bay Parkway, Suite 200, Alameda, California 94502  
 is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, continuation-in-part, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

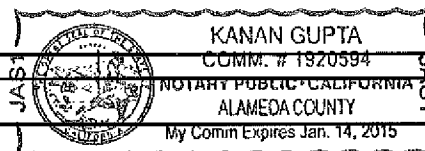
July 29, 2011  
 (Date)

Kg Gupta  
 (Signature)

State of CALIFORNIA ) SS:  
 County of ALAMEDA )

On this 29th day of July, 2011 before me personally came the above-named, Elena Pavlovskaja, to me personally known as the individual who executed the foregoing instrument, who acknowledged to me that the same was executed by him/her of his/her own free will for the purposes therein set forth.

Kg Gupta  
 (Notary Public)



☐ \*Total of \_\_\_\_\_ forms are submitted.

**ASSIGNMENT OF UTILITY APPLICATION**

Docket Number (Optional)

065618-425566

Whereas, I, Boris E. Shpungin of  
4245 Stanley Blvd., Apt. 7, Pleasanton, California 94566 USA

hereafter referred to as assignor, have with others invented certain new and useful improvements in  
**SYSTEM AND METHOD FOR IMAGE SEGMENTATION IN GENERATING COMPUTER  
 MODELS OF A JOINT TO UNDERGO ARTHROPLASTY**

☒ for which an application for a United States Letters Patent was filed on April 18, 2011  
 Application Number 13/066,568

☐ for which an application for a United States Letters Patent was executed by me on \_\_\_\_\_,  
 and

Whereas, OtisMed Corporation

a corporation of California herein referred to as "assignee" whose mailing address is  
1600 Harbor Bay Parkway, Suite 200, Alameda, California 94502

is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, continuation-in-part, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

29 Jul 2011  
 (Date)

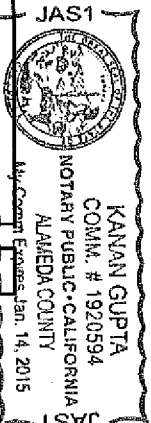
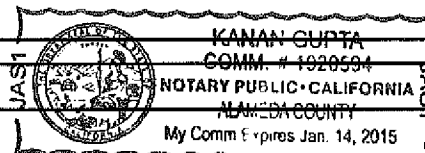
Boris E. Shpungin  
 (Signature)

State of CALIFORNIA ) SS:  
 County of ALAMEDA )

On this 29<sup>th</sup> day of July, 2011 before me personally came the above-named, Boris E. Shpungin, to me personally known as the individual who executed the foregoing instrument, who acknowledged to me that the same was executed by him/her of his/her own free will for the purposes therein set forth.

K. Gupta  
 (Notary Public)

☐ \*Total of \_\_\_\_\_ forms are submitted.



**ASSIGNMENT**

WHEREAS, we, Ilwhan Park, residing at 1743 Holland Circle, Walnut Creek, California 94597 U.S.A., Venkata Surya Sarva, residing at 44958 Cougar Circle, Fremont, California 94539 U.S.A., and Irene Min Choi, residing at 3 Admiral Drive, #452, Emeryville, California 94608 U.S.A. (hereinafter, individually and collectively the "Assignor"), have invented certain new and useful systems, devices, and methods disclosed and described in a utility application for Letters Patent in the United States ("U.S."), entitled "Arthroplasty System and Related Methods," which can be identified in the United States Patent and Trademark Office ("USPTO") by U.S. Patent Application No. 12/546,545, filed on August 24, 2009 (the "Utility Application") with attorney docket No. 189688/US/2. The Utility Application claims priority to U.S. Provisional Patent Application No. 61/102,692, filed on October 3, 2008, entitled "Arthroplasty System and Related Methods" and is also a continuation-in-part of U.S. Patent Application No. 11/959,344, filed on December 18, 2007, entitled "System and Method for Manufacturing Arthroplasty Jigs";

WHEREAS, OtisMed Corporation, a corporation organized and existing under the laws of the State of California, and having its principal place of business at 1600 Harbor Bay Parkway, Suite 200, Alameda, California 94502 U.S.A. (the "Assignee"), by the following earlier Assignments own all right, title, and interest in and to the following U.S. Provisional Patent Application and U.S. Application:

(1) Assignment recorded with the USPTO at Reel/Frame 021727/0447 on October 23, 2008 for U.S. Provisional Patent Application No. 61/102,692, filed on October 3, 2008, entitled "Arthroplasty System and Related Methods"; and

(2) Assignment recorded with the USPTO at Reel/Frame 020648/0510 on March 13, 2008 for U.S. Patent Application No. 11/959,344, filed on December 18, 2007, entitled "System and Method For Manufacturing Arthroplasty Jigs";

WHEREAS, to the extent that Assignor now owns any right, title and interest in the invention described and claimed in the Utility Application not already transferred to OtisMed Corporation by the earlier Assignments, Assignor is desirous of assigning interest in and to the Utility Application, and any provisional, non-provisional, continuation, continuation-in-part, divisional, 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"); and

WHEREAS, 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 transfer and by these presents does hereby sell, assign and transfer to



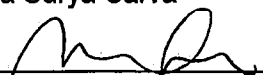
the said Assignee, and said Assignee's legal representatives, successors and assigns, any and all of the entire right, title and interest in and to the invention(s), Patent Rights, and any and all Letters Patent to be obtained therefor;

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, provisionals, non-provisionals, 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 TESTIMONY WHEREOF, the Assignor hereunto has executed this Assignment upon the dates indicated below.

Date: <u>11/19/2009</u> , 2009	By: <u></u> Ilwhan Park
Date: <u>11/19/2009</u> , 2009	By: <u></u> Venkata Surya Sarva
Date: <u>11/19/09</u> , 2009	By: <u></u> Irene Min Choi

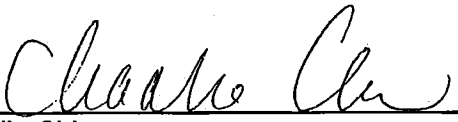
**ACCEPTANCE OF ASSIGNMENT**

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.

OTISMED CORPORATION

Date: 11/20, 2009

By:   
Name: Charlie Chi  
Title: CEO