

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4906315

SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
SEQUENCE:	2						
CONVEYING PARTY DATA							
	<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>SAFEWIRE, LLC</td> <td>04/08/2016</td> </tr> <tr> <td>SAFE WIRE HOLDING, LLC</td> <td>04/08/2016</td> </tr> </tbody> </table>	Name	Execution Date	SAFEWIRE, LLC	04/08/2016	SAFE WIRE HOLDING, LLC	04/08/2016
Name	Execution Date						
SAFEWIRE, LLC	04/08/2016						
SAFE WIRE HOLDING, LLC	04/08/2016						
RECEIVING PARTY DATA							
Name:	ORTHOVITA, INC.						
Street Address:	77 GREAT VALLEY PARKWAY						
City:	MALVERN						
State/Country:	PENNSYLVANIA						
Postal Code:	19355						
PROPERTY NUMBERS Total: 1							
	<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>15938638</td> </tr> </tbody> </table>	Property Type	Number	Application Number:	15938638		
Property Type	Number						
Application Number:	15938638						
CORRESPONDENCE DATA							
Fax Number:	(908)654-7866						
<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>							
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ATTORNEY DOCKET NUMBER:	SPINE.9287						
NAME OF SUBMITTER:	KERRY J. GROVES						
SIGNATURE:	/KERRY J. GROVES/						
DATE SIGNED:	04/09/2018						
Total Attachments: 13							
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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3878864

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SAFEWIRE, LLC	04/08/2016
SAFE WIRE HOLDING, LLC	04/08/2016
RECEIVING PARTY DATA	
Name:	ORTHOVITA, INC.
Street Address:	77 GREAT VALLEY PARKWAY
City:	MALVERN
State/Country:	PENNSYLVANIA
Postal Code:	19355
PROPERTY NUMBERS Total: 17	
Property Type	Number
Application Number:	12823791
Application Number:	13037947
Application Number:	13409483
Application Number:	13557482
Application Number:	13722641
Application Number:	13722667
Application Number:	13956067
Application Number:	13973677
Application Number:	13974747
Application Number:	14269984
Application Number:	14280277
Application Number:	14510903
Application Number:	61220828
Application Number:	61448030
Application Number:	61511632
Application Number:	61677684
Application Number:	61888847
CORRESPONDENCE DATA	

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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.

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Address Line 4: WESTFIELD, NEW JERSEY 07090

ATTORNEY DOCKET NUMBER:	SPINE 9.2-137
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NAME OF SUBMITTER:	ELLEN WALSH-SOBEL
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SIGNATURE:	/ELLEN WALSH-SOBEL/
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DATE SIGNED:	05/18/2016
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Total Attachments: 11

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PATENT ASSIGNMENT

This PATENT ASSIGNMENT (this "Patent Assignment") is effective of April 8, 2016, by and between SafeWire, LLC, a Florida limited liability company, and Safe Wire Holding, LLC, a Florida limited liability company (individually, each as an "Assignor," and collectively, as the "Assignors"), and Orthovita, Inc., a Pennsylvania corporation (as assignee of Howmedica Osteonics Corp., a New Jersey corporation) ("Assignee").

WHEREAS, the Assignors hold the entire right, title, and interest in and to the patents and patent applications listed on the attached Patent Schedule (collectively, the "Patents");

WHEREAS, the Assignors and Assignee have entered into a separate agreement pursuant to which the Assignors, along with others, agreed to sell to Assignee, and Assignee agreed to purchase from the Assignors, the Assignors' entire right, title, and interest in the Patents (the "Separate Agreement"), and Assignee desires to secure the entire right, title and interest in the Patents.

NOW, THEREFORE, be it known by all whom it may concern, that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged,

1. The Assignors agree to and hereby do assign, transfer and set over to Assignee, its successors and assigns, and Assignee hereby accepts, all of the Assignors' entire right, title and interest in and to the Patents, 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, including the right to sue for and collect past damages. The assignment of the Patents shall include the right to file domestic patent applications (including all letters patent, design patents, provisional applications, reissues, divisions, continuations, continuations-in-part, renewals, substitutes, patent disclosures and extensions of any patent or patent application), 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 Assignee or its affiliates, wherever such right may be legally exercised, including the right to claim the benefits of the International Convention for such applications.
2. The Assignors hereby authorize and request 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 directed to the Patents to Assignee as the owner thereof.
3. The Assignors hereby agree, without further consideration and without expense to Assignee, to sign all documents and to perform all other lawful acts which Assignee may reasonably request to make this assignment of the Patents fully effective.
4. Except as provided for in Sections 2 and 3 hereof, nothing in this Patent Assignment shall alter any liability or obligation of the Assignors or Assignee arising under the Separate Agreement, which shall govern the representations, warranties and obligations of the

parties with respect to the Patents. In the event of any conflict or ambiguity between the terms hereof and the terms of the Separate Agreement, the terms of the Separate Agreement shall govern and be controlling.

5. This Patent Assignment shall be governed by, and construed in accordance with the laws of the State of Delaware, excluding any conflicts or choice of law rule or principle that might otherwise refer construction or interpretation of this Patent Assignment to the substantive law of another jurisdiction.
6. This Patent 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.

[Signature Page Follows]

IN WITNESS WHEREOF, each of the Assignors and Assignee has caused this Patent Assignment to be duly signed on its behalf.

SAFEWIRE, LLC

By: [Signature]
Name: Wyatt Geist
Title: CEO

3/29/16
Date

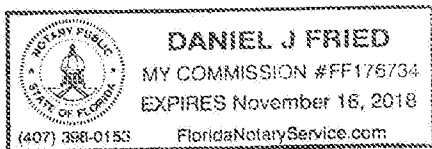
STATE OF Florida)

: ss.

COUNTY OF Brevard)

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 MARCH 29 2016, 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.

[Signature]
NOTARY PUBLIC



Residing at 9902 Sorbusden Ct, Orlando, FL
DAVIE, FL 33328

My Commission Expires: _____

SAFE WIRE HOLDING, LLC

By: [Signature]
Name: Wyatt Geist
Title: President

3/29/16
Date

STATE OF Florida)

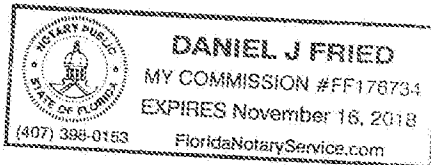
: ss.

COUNTY OF BROWARD)

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 MARCH 29, 2016, 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.

[Signature]
NOTARY PUBLIC

Residing at 3902 Southern Decatur Rd.
Davie, FL 33328



My Commission Expires: _____

ORTHOVITA, INC.

By: *[Signature]*
Name: Bradley Paddock
Title: President

4/5/2014
Date

STATE OF NJ)

: ss.

COUNTY OF Bergen)

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 April 5, 2014, 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.

CATHERINE M. FERMAINTI
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires April 1, 2018

[Signature]

NOTARY PUBLIC

Residing at *[Signature]*
[Signature]

My Commission Expires: 4/1/18

{Signature Page to Patent Assignment}

Patent Schedule

Country	Status	Application Number	Application Date	Title
Australia	Filed	2010265936	6/25/2010	K-WIRE AND METHOD FOR SURGICAL PROCEDURES
Australia	Filed	2013296509	7/31/2013	DEPTH CONTROLLED JAMSHIDI NEEDLE
Australia	Filed	2015261581	11/25/2015	K-WIRE AND METHOD FOR SURGICAL PROCEDURES
Canada	Filed	2766292	6/25/2010	K-WIRE AND METHOD FOR SURGICAL PROCEDURES
Canada	Filed	2880505	7/31/2013	DEPTH CONTROLLED JAMSHIDI NEEDLE
China P.R.	Filed	201080036809.X	6/25/2010	K-WIRE AND METHOD FOR SURGICAL PROCEDURES
China P.R.	Filed	201380042671.8	7/31/2013	DEPTH CONTROLLED JAMSHIDI NEEDLE
European Patent Convention	Filed	15198750.0	Not Yet Known	K-WIRE AND METHOD FOR SURGICAL PROCEDURES

Country	Status	Application Number	Application Date	Title
European Patent Convention	Filed	10731658	6/25/2010	K-WIRE AND METHOD FOR SURGICAL PROCEDURES
European Patent Convention	Filed	13750200.1	7/31/2013	DEPTH CONTROLLED JAMSHIDI NEEDLE
Hong Kong	Inactive	12111082.2	11/2/2012	K-WIRE AND METHOD FOR SURGICAL PROCEDURES
India	Inactive	371/DELNP/2012	6/25/2010	K-WIRE AND METHOD FOR SURGICAL PROCEDURES
Indonesia	Inactive	201104758	6/25/2010	K-WIRE AND METHOD FOR SURGICAL PROCEDURES
Israel	Inactive	217110	6/25/2010	K-WIRE AND METHOD FOR SURGICAL PROCEDURES
Japan	Granted	2012-517781	6/25/2010	K-WIRE AND METHOD FOR SURGICAL PROCEDURES
Mexico	Inactive	MX/a/2012/000179	6/25/2010	K-WIRE AND METHOD FOR SURGICAL PROCEDURES

Country	Status	Application Number	Application Date	Title
New Zealand	Filed	597274	6/25/2010	K-WIRE AND METHOD FOR SURGICAL PROCEDURES
Patent Cooperation Treaty	Inactive	PCT/US2010/40032	6/25/2010	K-WIRE AND METHOD FOR SURGICAL PROCEDURES
Patent Cooperation Treaty	Inactive	PCT/US2012/48369	7/26/2012	ANCHOR WIRE SYSTEM AND METHOD
Patent Cooperation Treaty	Inactive	PCT/US2013/53038	7/31/2013	DEPTH CONTROLLED JAMSHIDI NEEDLE
Patent Cooperation Treaty	Filed	PCT/US2014/059933	10/9/2014	THREAD FORMING JAMSHIDI ASSEMBLY
Philippines	Inactive	1-2011-502692	6/25/2010	K-WIRE AND METHOD FOR SURGICAL PROCEDURES
Singapore	Inactive	2011094869	6/25/2010	K-WIRE AND METHOD FOR SURGICAL PROCEDURES
South Korea	Filed	10-2012-7001992	6/25/2010	K-WIRE AND METHOD FOR SURGICAL PROCEDURES

Country	Status	Application Number	Application Date	Title
Thailand	Inactive	1101003813	6/25/2010	K-WIRE AND METHOD FOR SURGICAL PROCEDURES
United States	Inactive	61/220,828	6/26/2009	K-WIRE AND METHOD FOR SURGICAL PROCEDURES
United States	Granted	12/823,791	6/25/2010	K-WIRE AND METHOD FOR SURGICAL PROCEDURES
United States	Granted	13/037,947	3/1/2011	GUIDEWIRE AND METHOD FOR SURGICAL PROCEDURES
United States	Inactive	61/448,030	3/1/2011	DEPTH CONTROLLED JAMSHIDI NEEDLE
United States	Inactive	61/511,632	7/26/2011	ANCHOR WIRE SYSTEM AND METHOD
United States	Granted	13/409,483	3/1/2012	DEPTH CONTROLLED JAMSHIDI NEEDLE
United States	Filed	13/557,482	7/25/2012	ANCHOR WIRE SYSTEM AND METHOD
United States	Inactive	61/677,684	7/31/2012	DEPTH CONTROLLED JAMSHIDI NEEDLE

Country	Status	Application Number	Application Date	Title
United States	Granted	13/722,641	12/20/2012	K-WIRE AND METHOD FOR SURGICAL PROCEDURES
United States	Granted	13/722,667	12/20/2012	GUIDEWIRE AND METHOD FOR SURGICAL PROCEDURES
United States	Filed	13/956,067	7/31/2013	DEPTH CONTROLLED JAMSHIDI NEEDLE
United States	Granted	13/973,677	8/22/2013	GUIDEWIRE AND METHOD FOR SURGICAL PROCEDURES
United States	Granted	13/974,747	8/23/2013	K-WIRE AND METHOD FOR SURGICAL PROCEDURES
United States	Inactive	61/888,847	10/9/2013	THREAD FORMING JAMSHIDI ASSEMBLY
United States	Granted	14/269,984	5/5/2014	K-WIRE AND METHOD FOR SURGICAL PROCEDURES
United States	Granted	14/280,277	5/16/2014	GUIDEWIRE AND METHOD FOR SURGICAL PROCEDURES

Country	Status	Application Number	Application Date	Title
United States	Filed	14/510,903	10/9/2014	THREAD FORMING JAMSHIDI ASSEMBLY