504281824 03/21/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4328505

SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY D	ATA				
		Name	Execution Date		
JOHN A. GETTINGS			02/28/2014		
MATTHEW B. HAVENEI	7		02/27/2014		
STEPHEN E. MCILHENI	NY		02/27/2014		
RECEIVING PARTY DA	ТА				
Name:	ORTHC	OVITA, INC.			
Street Address:					
City:	MALVE	RN			
State/Country:	PENNS	PENNSYLVANIA			
Postal Code:	19355				
PROPERTY NUMBERS	Total: 1	Number			
Property Type Application Number:		15424150			
		15424150			
CORRESPONDENCE D	ΑΤΑ				
Fax Number:					
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.					
Phone: (908) 518-6359					
Email: assignment@lernerdavid.com					
Correspondent Name: LERNEF			ER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP		
		600 SOUTH AVENUE WEST			
Address Line 4: WESTFIELD, NEW JERSEY 07090					
ATTORNEY DOCKET NUMBER:		OSTEONICS 3.0-922 DIV	OSTEONICS 3.0-922 DIV		
NAME OF SUBMITTER:		MELINDA C. CORMIER	MELINDA C. CORMIER		
SIGNATURE:		/Melinda C. Cormier/	/Melinda C. Cormier/		
DATE SIGNED: 03/21/2017					
Total Attachments: 3					
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		Sufficience a property of the	I T WALK DO T S I T S OF T I WALKED .		CONTRACTOR DATABASED CONTRACTOR DATABASE

Attorney, Docket No.	OSTEONICS 3.0-922			
Title of the Invention ("Invention")	MIXING SYSTEM AND VALVE ASSEMBLY			
Legal Name of Inventor ("Inventor")	John A. Gettings			
Assignee ("Assignee")	Orthovita, Inc., incorporated in Pennsylvania, and having a place of business at 77 Great Valley Parkway; Malvern, Pennsylvania 19355			
	DECLARATION			
As named inventor, I hereby declare th	hat.			
This declaration is directed to:				
X United States App filed on Febru	plication Number or PCT International Application Number <u>14/190,484</u> Jary 26, 2014			
that the above-identified Application is	/was made or authorized to be made by me;			
	or an original joint inventor of a claimed invention in the above-identified Application; and			
that I hereby acknowledge that any wil more than five (5) years, or both.	Iful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not			
	ASSIGNMENT			
IN ADDITION TO MAKING THIS DEC its acquisition further herein, my entire	CLARATION, WHEREAS the Assignee is desirous of acquiring, or has acquired and is desirous of memorializing right, title and interest in the above-identified Application.			
NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged. I agree to assign, and hereby do assign, to Assignee my entire right, title and interest in and to the Application in the United States of America and all other countries, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, conversion, non-provisional, substitute, reissue, re-examination certificate following Inter Partes Review, certificate following Post Grant Review, all other applications claiming priority to or benefit of the Application pursuant to any law or treaty, and any patent issuing from any of the foregoing. I agree to assign, and hereby do assign, to Assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Application to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to Assignee all patents resulting from the Application and to record Assignee's ownership thereof. At Assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at Assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect Assignee's rights in the Application. Assignee may assign or transfer all or part of its rights set for the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting th				
I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application No. <u>61/773,385</u> , filed <u>3/6/2013</u> , and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. <u>61/773,385</u> , pursuant to any law or treaty in the countries of the world.				
(Date)	John A. Gettings			
WARNING According to 37 C.F.R. 1.63 (c), "[a] person may not execute an oath or declaration unless the person has reviewed and understands the contents of the application, including claims and is aware of the duty to disclose to the Office all information known to be material to patentability as defined in 1.56."				
State of Pennsylvani) SS:				
County of <u>Circester</u>)				
On this 28 of Read 2644 before me personally came above-named John A. Gettings, 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.				
set forth.	CONTRACT DEPENSIONS OF ANIA			
Notary Public	Extension of the second market Extension of the second se			

An Application Data Sheet (PTO/SB/14 or Equivalent) naming the entire inventiveness entity must accompany this form unless previously submitted.

PATENT REEL: 041661 FRAME: 0185

COMBINED DECLARAT	ION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION (37 CFR 1.63) USING			
	AN APPLICATION DATA SHEET			
Attorney, Docket No.	OSTEONICS 3.0-922			
Title of the Invention ("Invention")	MIXING SYSTEM AND VALVE ASSEMBLY			
Legal Name of Inventor ("Inventor")	Matthew B. Havener			
Assignee ("Assignee")	Orthovita, Inc., incorporated in Pennsylvania, and having a place of business at 77 Great Valley Parkway; Malvern, Pennsylvania 19355			
	DECLARATION			
As named inventor, I hereby declare	that:			
This declaration is directed to:	pplication			
	Application Number or PCT International Application Number <u>14/190,484</u>			
	is/was made or authorized to be made by me;			
1	or or an original joint inventor of a claimed invention in the above-identified Application; and			
	that I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not			
	ASSIGNMENT			
IN ADDITION TO MAKING THIS DECLARATION, WHEREAS the Assignee is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, my entire right, title and interest in the above-identified Application.				
NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree to assign, and hereby do assign, to Assignee my entire right, title and interest in and to the Application in the United States of America and all other countries, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, conversion, non-provisional, substitute, reissue, re-examination certificate following Inter Partes Review, certificate following Post Grant Review, all other applications claiming priority to or benefit of the Application pursuant to any law or treaty, and any patent issuing from any of the foregoing. I agree to assign, and hereby do assign, to Assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Application to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to Assignee all patents resulting from the Application and to record Assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect Assignee's rights in the Application. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the Assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision.				
I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application No. <u>61/773,385</u> , filed <u>3/6/2013</u> , and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. <u>61/773,385</u> pursuant to any law or treaty in the countries of the world.				
	(Date)			
WARNING According to 37 C.F.R. 1.63 (c), "[a] person may not execute an oath or declaration unless the person has reviewed and understands the contents of the application, including claims and is aware of the duty to disclose to the Office all information known to be material to patentability as defined in 1.56."				
State of <u>Vennon(Nanch</u>) SS:				
County of Chester)				
On this <u>2</u>) of <u>Februe</u> , <u>2</u> <u>and</u> before me personally came above-named Matthew B. Havener, 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. <u>Manue B.</u> <u>Rattanan</u> <u>Motor Rattanan</u> <u>Motor Rattanan</u> <u>NOTARIAL SEAL</u> <u>Diane B. Patterson, Notary Public</u> <u>E Whiteland Twp, Chester County</u>				
Notary Public	My commission expires April 23, 2015			

An Application Data Sheet (PTO/SB/14 or Equivalent) naming the entire inventiveness entity must accompany this form unless previously submitted.

PATENT REEL: 041661 FRAME: 0186

COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET

A 11	O	
Allorney.	Docket No.	

OSTEONICS 3.0-922

Title of the Invention ("Invention") MIXING SYSTEM AND VALVE ASSEMBLY

Legal Name of Inventor ("Inventor") Stephen E. McIlhenny

Assignee ("Assignee")

Orthovita, Inc., incorporated in Pennsylvania, and having a place of business at 77 Great Valley Parkway; Malvern, Pennsylvania 19355

DECLARATION

As named inventor, I hereby declare that:

This declaration is directed to:

OR The attached Application

United States Application Number or PCT International Application Number <u>14/190,484</u> filed on February 26, 2014

that the above-identified Application is/was made or authorized to be made by me;

that I believe I am the original inventor or an original joint inventor of a claimed invention in the above-identified Application; and

that I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

ASSIGNMENT

IN ADDITION TO MAKING THIS DECLARATION, WHEREAS the Assignee is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, my entire right, title and interest in the above-identified Application.

NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree to assign, and hereby do assign, to Assignee my entire right, title and interest in and to the Application in the United States of America and all other countries, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, conversion, non-provisional, substitute, reissue, re-examination certificate following Inter Partes Review, certificate following Post Grant Review, all other applications claiming priority to or benefit of the Application pursuant to any law or treaty, and any patent issuing from any of the foregoing. I agree to assign, and hereby do assign, to Assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Application to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to Assignee all patents resulting from the Application and to record Assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect Assignee's rights in the Application. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the Assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision most closely reflecting the purpose of the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision.

I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application No. <u>61/773,385</u>, filed <u>3/6/2013</u>, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. <u>61/773,385</u> pursuant to any law or treatly in the countries of the world.

2798814 (Date)

Stephen E. Mclihenny

WARNING

According to 37 C.F.R. 1.63 (c), "[a] person may not execute an oath or declaration unless the person has reviewed and understands the contents of the application, including claims and is aware of the duty to disclose to the Office all information known to be material to patentability as defined in 1.56."

State of the no Sylvan (2) SS:

County of (Mester)

NOTARIAL SEAL

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	NAME R	(attession-
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	Marken Dude Ba	

Notary Public

Diane B. Patterson, Notary Public E Whiteland Twp, Chester County My commission expires April 23, 2015

> PATENT REEL: 041661 FRAME: 0187

An Application Data Sheet (PTO/SB/14 or Equivalent) naming the entire inventiveness entity must accompany this form unless previously submitted.

RECORDED: 03/21/2017