

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT8305920

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ORTHOVITA, INC.	11/08/2020
RECEIVING PARTY DATA	
Name:	HOWMEDICA OSTEONICS CORP.
Street Address:	325 CORPORATE DRIVE
City:	MAHWAH
State/Country:	NEW JERSEY
Postal Code:	07430
PROPERTY NUMBERS Total: 17	
Property Type	Number
Patent Number:	8206450
Patent Number:	8298292
Patent Number:	8398720
Patent Number:	7655047
Patent Number:	9999444
Patent Number:	8758383
Patent Number:	8545531
Patent Number:	8540676
Patent Number:	8728111
Patent Number:	RE46872
Patent Number:	RE47682
Patent Number:	8715311
Patent Number:	8540747
Patent Number:	RE46855
Patent Number:	RE47683
Patent Number:	8361102
Patent Number:	8142886
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</i>	
PATENT	

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: (908) 654-5000
Email: assignment@lernerdavid.com
Correspondent Name: LERNER DAVID LLP
Address Line 1: 20 COMMERCE DR.
Address Line 4: CRANFORD, NEW JERSEY 07016

ATTORNEY DOCKET NUMBER:	SYKCOR.148 - OBX TO HOC
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NAME OF SUBMITTER:	PATRICIA GIEBLER
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SIGNATURE:	/Patricia Giebler/
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DATE SIGNED:	12/01/2023
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Total Attachments: 4

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PATENT ASSIGNMENT

This Patent Assignment ("Assignment"), effective as of November 8, 2023 ("Effective Date"), is made by and between ORTHOVITA, INC. ("ASSIGNOR"), a corporation organized under the laws of Pennsylvania with its principal place of business located at 77 Great Valley Parkway, Malvern, Pennsylvania 19355, United States of America and HOWMEDICA OSTEONICS CORP. ("ASSIGNEE"), a corporation organized under the laws of New Jersey with its principal place of business at 325 Corporate Drive, Mahwah, NJ 07430, United States of America.

WHEREAS, ASSIGNOR is the sole owner of the patents and patent applications listed in the attached Exhibit A (the "PATENTS") and ASSIGNEE desires to acquire the PATENTS and the inventions disclosed therein.

NOW, THEREFORE, for good and valuable consideration of the sum of one dollar (US \$1.00), receipt of which is hereby acknowledged, ASSIGNOR hereby irrevocably assigns, conveys and transfers to ASSIGNEE all worldwide right, title and interest in (i) the PATENTS and the inventions and improvements disclosed therein; (ii) all reissues, divisionals, continuations, continuations-in-part, extensions, renewals, reexaminations and foreign counterparts thereof, and other patents, patent applications, certificates of invention other governmental grants resulting from the PATENTS; (iii) all patents and applications which claim priority to or have common disclosure or common priority with any such patents or patent applications, and (iv) any Assigned Patent that as of the Effective Date is subject to a Disclaimer Issue with respect to any other such patents or patent applications; and (v) all rights corresponding to any of the foregoing throughout the world including 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 any of the patents or patent applications and the right to sue for and recover damages for any past, present or future infringement of any respective patent, the same to be held and enjoyed by ASSIGNEE for its own use and enjoyment, and for the use and enjoyment of its successors, assigns and other legal representatives, to the end of the term or terms of said PATENTS granted or reissued or reexamined as fully and entirely as the same would have been held and enjoyed by ASSIGNOR, if this assignment and sale had not been made.

If the issue date and/or patent number of any of the PATENTS is unknown to ASSIGNOR and ASSIGNEE at the time this Assignment is executed, ASSIGNOR does hereby authorize its attorneys to insert on this Assignment the issue date and patent number of said any patent when known.

ASSIGNOR hereby undertakes that it shall, without further consideration, but at the expense of ASSIGNEE, execute all documents and do all such acts and things as ASSIGNEE may in its absolute discretion consider necessary or desirable to enable Letters Patent or any other form of protection to be issued in respect of any of said PATENTS and the inventions disclosed therein in any part of the world and to enable or to assist ASSIGNEE to defend oppositions thereto, to maintain the PATENTS and to prosecute for the infringement thereof.

ASSIGNOR hereby declares that ASSIGNEE may take the steps to record this assignment in the sole name of ASSIGNEE.

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

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.

IN WITNESS WHEREOF, the parties have caused this Patent Assignment to be executed by their duly authorized representatives as of the Effective Date.

ORTHOVITA, INC. (ASSIGNOR)

By: [Signature]

Name: Greg Plaskon

Title: IP Agent

Date: November 8, 2023

STATE OF New Jersey
: ss.

COUNTY OF Union

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 November 8, 2023, 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.

Nancy E. Yorke
NOTARY PUBLIC
Residing at Woodbridge, New Jersey

My Commission Expires: _____

NANCY E. YORKE
Notary Public, State of New Jersey
Comm. # 50130168
My Commission Expires June 29, 2025

HOWMEDICA OSTEONICS CORP. (ASSIGNEE)

By: [Signature]

Name: Greg Plaskon

Title: IP Agent

Date: November 8, 2023

STATE OF New Jersey
: ss.

COUNTY OF Union

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 November 8, 2023, 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.

Nancy E. Yorke
NOTARY PUBLIC
Residing at Woodbridge, New Jersey

My Commission Expires: _____

NANCY E. YORKE
Notary Public, State of New Jersey
Comm. # 50130169
My Commission Expires June 29, 2025

7860309

PATENT

REEL: 065734 FRAME: 0866

EXHIBIT A

TITLE	COUNTRY	STATUS	APPLICATION NO	PATENT NO	ASSIGNEE
COMPOSITE IMPLANTS AND METHODS OF MAKING AND USING THE SAME	US	Issued	12/356,230	8,206,450	Howmedica Osteonics Corp.
CRANIOFACIAL IMPLANT	CH	Issued	7755661.1	1957128	Howmedica Osteonics Corp.
CRANIOFACIAL IMPLANT	CH	Issued	04759969.1	1613240	Howmedica Osteonics Corp.
CRANIOFACIAL IMPLANT	US	Issued	11/445,560	8,298,292	Howmedica Osteonics Corp.
CRANIOFACIAL IMPLANT	CN	Issued	200480009959.6	200480009959.6	Howmedica Osteonics Corp.
CRANIOFACIAL IMPLANT	US	Issued	12/652,896	8,398,720	Howmedica Osteonics Corp.
CRANIOFACIAL IMPLANT	DE	Issued	7755661.1	602007012046.2	Howmedica Osteonics Corp.
CRANIOFACIAL IMPLANT	DE	Issued	04759969.1	602004049364.3	Howmedica Osteonics Corp.
CRANIOFACIAL IMPLANT	ES	Issued	7755661.1	1957128	Howmedica Osteonics Corp.
CRANIOFACIAL IMPLANT	FR	Issued	7755661.1	1957128	Howmedica Osteonics Corp.
CRANIOFACIAL IMPLANT	FR	Issued	04759969.1	1613240	Howmedica Osteonics Corp.
CRANIOFACIAL IMPLANT	GB	Issued	7755661.1	1957128	Howmedica Osteonics Corp.
CRANIOFACIAL IMPLANT	GB	Issued	04759969.1	1613240	Howmedica Osteonics Corp.
CRANIOFACIAL IMPLANT	JP	Issued	2009-513139	5002008	Howmedica Osteonics Corp.
CRANIOFACIAL IMPLANT	US	Issued	10/517,843	7,655,047	Howmedica Osteonics Corp.
DEPTH CONTROLLED JAMSHIDI NEEDLE	US	Issued	13/956,067	9,999,444	Howmedica Osteonics Corp.
DEPTH CONTROLLED JAMSHIDI NEEDLE	DE	Issued	13750200.1	602013070713.8	Howmedica Osteonics Corp.

POREX-CMF-SPINE RELATED PATS (OBX to HOC)

EXHIBIT A

TITLE	COUNTRY	STATUS	APPLICATION NO	PATENT NO	ASSIGNEE
DEPTH CONTROLLED JAMSHIDI NEEDLE	FR	Issued	13750200.1	2879587	Howmedica Osteonics Corp.
DEPTH CONTROLLED JAMSHIDI NEEDLE	GB	Issued	13750200.1	2879587	Howmedica Osteonics Corp.
DEPTH CONTROLLED JAMSHIDI NEEDLE	US	Issued	13/409,483	8,758,383	Howmedica Osteonics Corp.
GUIDEWIRE AND METHOD FOR SURGICAL PROCEDURES	US	Issued	13/037,947	8,545,531	Howmedica Osteonics Corp.
GUIDEWIRE AND METHOD FOR SURGICAL PROCEDURES	US	Issued	13/722,667	8,540,676	Howmedica Osteonics Corp.
GUIDEWIRE AND METHOD FOR SURGICAL PROCEDURES	US	Issued	13/973,677	8,728,111	Howmedica Osteonics Corp.
GUIDEWIRE AND METHOD FOR SURGICAL PROCEDURES	US	Issued	15/454,638	RE46,872	Howmedica Osteonics Corp.
GUIDEWIRE AND METHOD FOR SURGICAL PROCEDURES	US	Issued	15/938,638	RE47,682	Howmedica Osteonics Corp.
K-WIRE AND METHOD FOR SURGICAL PROCEDURES	US	Issued	13/974,747	8,715,311	Howmedica Osteonics Corp.
K-WIRE AND METHOD FOR SURGICAL PROCEDURES	US	Issued	13/722,641	8,540,747	Howmedica Osteonics Corp.
K-WIRE AND METHOD FOR SURGICAL PROCEDURES	US	Issued	15/454,674	RE46,855	Howmedica Osteonics Corp.
K-WIRE AND METHOD FOR SURGICAL PROCEDURES	US	Issued	15/938,565	RE47,683	Howmedica Osteonics Corp.
K-WIRE AND METHOD FOR SURGICAL PROCEDURES	KR	Pending	10-2012-7001992		Howmedica Osteonics Corp.
K-WIRE AND METHOD FOR SURGICAL PROCEDURES	US	Issued	12/823,791	8,361,102	Howmedica Osteonics Corp.
POROUS LASER SINTERED ARTICLES	US	Issued	12/179,287	8,142,886	Howmedica Osteonics Corp.
THREAD FORMING JAMSHIDI ASSEMBLY	DE	Issued	14824956.8	60 2014 057 220.0	Howmedica Osteonics Corp.
THREAD FORMING JAMSHIDI ASSEMBLY	FR	Issued	14824956.8	3054874	Howmedica Osteonics Corp.
THREAD FORMING JAMSHIDI ASSEMBLY	GB	Issued	14824956.8	3054874	Howmedica Osteonics Corp.

POREX-CMF-SPINE RELATED PATS (OIB to HOC)