

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5818349

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
OLIVER BUCHERT	07/16/2018
AMIR ALI SHARIFI-MEHR	06/18/2018
RONALD LITKE	08/31/2019
THOMAS A. ALHEIDT	06/18/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HOWMEDICA OSTEONICS CORP.
<b>Street Address:</b>	325 CORPORATE DRIVE
<b>City:</b>	MAHWAH
<b>State/Country:</b>	NEW JERSEY
<b>Postal Code:</b>	07430
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16662187
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(908)654-0415
<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>	9085186349
<b>Email:</b>	assignment@lerner david.com
<b>Correspondent Name:</b>	LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP
<b>Address Line 1:</b>	20 COMMERCE DRIVE
<b>Address Line 4:</b>	CRANFORD, NEW JERSEY 07016
<b>ATTORNEY DOCKET NUMBER:</b>	SPINE.11613
<b>NAME OF SUBMITTER:</b>	JACLYN RICCI
<b>SIGNATURE:</b>	/JACLYN RICCI/
<b>DATE SIGNED:</b>	11/13/2019
<b>Total Attachments: 4</b>	
source=SPINE.11613 Inventor Assignments to HOC#page1.tif	
source=SPINE.11613 Inventor Assignments to HOC#page2.tif	
source=SPINE.11613 Inventor Assignments to HOC#page3.tif	



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

Attorney, Docket No. SPINE 3.0F-632  
Title of the Invention ("Invention") EXPANDABLE INTERBODY IMPLANT WITH LATERAL ARTICULATION  
Legal Name of Inventor ("Inventor") Oliver Buchert  
Assignee ("Assignee") Howmedica Osteonics Corp., incorporated in New Jersey, and having a place of business at 325 Corporate Drive; Mahwah, New Jersey 07430

**DECLARATION**

As named inventor, I hereby declare that:

This declaration is directed to:

The attached Application

OR

United States Application Number or PCT International Application Number 15/794,693  
filed on October 26, 2017

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 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 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. 62/413,038, filed 10/26/2016, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 62/413,038 pursuant to any law or treaty in the countries of the world.

7/16/18  
(Date)

  
Oliver Buchert

**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 New Jersey ) SS:

County of Bergen )

On this 16 of July, 2018 before me personally came above-named Oliver Buchert, 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.

  
Notary Public

**CATHERINE M. FERMAINTT**  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires April 1, 2019

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

Attorney, Docket No. SPINE 3.0F-632
Title of the invention ("Invention") EXPANDABLE INTERBODY IMPLANT WITH LATERAL ARTICULATION
Legal Name of Inventor ("Inventor") Amir Ali Sharifi-Mehr
Assignee ("Assignee") Howmedica Osteonics Corp., incorporated in New Jersey, and having a place of business at 325 Corporate Drive; Mahwah, New Jersey 07430

DECLARATION

As named inventor, I hereby declare that:

This declaration is directed to:

[ ] The attached Application

OR

[x] United States Application Number or PCT International Application Number 15/794,693
filed on October 26, 2017

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 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 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. 62/413,038, filed 10/26/2016, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 62/413,038 pursuant to any law or treaty in the countries of the world.

June 18, 2018
(Date)

Amir Ali Sharifi-Mehr

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 New Jersey ) SS:
County of Bergen )

On this 18 of June, 2018 before me personally came above-named Amir Ali Sharifi-Mehr, 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.

Catherine M. Fermanitt
Notary Public

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

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

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

Attorney, Docket No. SPINE 3.0F-632  
Title of the Invention ("Invention") EXPANDABLE INTERBODY IMPLANT WITH LATERAL ARTICULATION  
Legal Name of Inventor ("Inventor") Ronald Litke  
Assignee ("Assignee") Howmedica Osteonics Corp., incorporated in New Jersey, and having a place of business at 325 Corporate Drive; Mahwah, New Jersey 07430

**DECLARATION**

As named inventor, I hereby declare that:

This declaration is directed to:

The attached Application

OR

United States Application Number or PCT International Application Number 15/794,693  
filed on October 26, 2017

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 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 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. 62/413,038, filed 10/26/2016, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 62/413,038 pursuant to any law or treaty in the countries of the world.

8/31/19  
\_\_\_\_\_  
(Date)

Ronald Litke  
\_\_\_\_\_  
Ronald Litke

**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 Connecticut ) SS:

County of New Haven )

On this 31 of August, 2019 before me personally came above-named Ronald Litke, 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.

[Signature]  
\_\_\_\_\_  
Notary Public

**ERIC D'ERRICO**  
**NOTARY PUBLIC**

MY COMMISSION EXPIRES JUN. 30, 2020

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

**PATENT**  
**REEL: 050997 FRAME: 0541**

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

Attorney, Docket No. SPINE 3.0F-632  
Title of the invention ("Invention") EXPANDABLE INTERBODY IMPLANT WITH LATERAL ARTICULATION  
Legal Name of Inventor ("Inventor") Thomas A. Alheidt  
Assignee ("Assignee") Howmedica Osteonics Corp., incorporated in New Jersey, and having a place of business at 325 Corporate Drive, Mahwah, New Jersey 07430

**DECLARATION**

As named inventor, I hereby declare that:

This declaration is directed to:

The attached Application

OR

United States Application Number or PCT International Application Number 15/794,693  
filed on October 26, 2017

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 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 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. 62/413,038, filed 10/26/2016, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 62/413,038 pursuant to any law or treaty in the countries of the world.

June 18, 2018  
(Date)

  
Thomas A. Alheidt

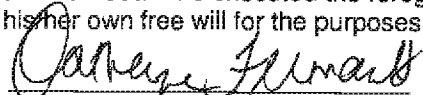
**WARNING**

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 New Jersey ) SS:

County of Bergen )

On this 18 of June, 2018 before me personally came above-named Thomas A. Alheidt, 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.

  
Notary Public

**CATHERINE M. FERMAINTT**  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires April 1, 20 20

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

**PATENT**

**RECORDED: 11/13/2019**

**REEL: 050997 FRAME: 0542**