

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT2728001

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>ZONGTAO ZHANG</td> <td>02/11/2014</td> </tr> <tr> <td>KEENAN MICHAEL HANSON</td> <td>02/11/2014</td> </tr> <tr> <td>THOMAS FRANCIS MCCARTHY</td> <td>02/11/2014</td> </tr> <tr> <td>DANIEL E. LAWRYNOWICZ</td> <td>02/11/2014</td> </tr> <tr> <td>AIGUO WANG</td> <td>02/10/2014</td> </tr> </tbody> </table>		Name	Execution Date	ZONGTAO ZHANG	02/11/2014	KEENAN MICHAEL HANSON	02/11/2014	THOMAS FRANCIS MCCARTHY	02/11/2014	DANIEL E. LAWRYNOWICZ	02/11/2014	AIGUO WANG	02/10/2014
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>HOWMEDICA OSTEONICS CORP.</td> </tr> <tr> <td>Street Address:</td> <td>325 CORPORATE DRIVE</td> </tr> <tr> <td>City:</td> <td>MAHWAH</td> </tr> <tr> <td>State/Country:</td> <td>NEW JERSEY</td> </tr> <tr> <td>Postal Code:</td> <td>07430</td> </tr> </table>		Name:	HOWMEDICA OSTEONICS CORP.	Street Address:	325 CORPORATE DRIVE	City:	MAHWAH	State/Country:	NEW JERSEY	Postal Code:	07430		
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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>13783894</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13783894								
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Application Number:	13783894												
CORRESPONDENCE DATA													
Fax Number:	(908)654-7866												
Phone:	(908) 518-6318												
Email:	Assignment@ldlkm.com												
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>													
Correspondent Name:	LDLK&M												
Address Line 1:	600 SOUTH AVENUE WEST												
Address Line 4:	WESTFIELD, NEW JERSEY 07090												
ATTORNEY DOCKET NUMBER:	OSTEONICS 3.0-882												
NAME OF SUBMITTER:	RAYMOND W. AUGUSTIN												

Signature:	/Raymond W. Augustin/
Date:	02/14/2014
<b>Total Attachments: 5</b> source=OSTEONICS 3.0-882 ASSIGNMENTS#page1.tif source=OSTEONICS 3.0-882 ASSIGNMENTS#page2.tif source=OSTEONICS 3.0-882 ASSIGNMENTS#page3.tif source=OSTEONICS 3.0-882 ASSIGNMENTS#page4.tif source=OSTEONICS 3.0-882 ASSIGNMENTS#page5.tif	

<b>ASSIGNMENT OF UTILITY APPLICATION</b>	Docket Number (Optional) <b>OSTEONICS 3.0-882</b>
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Whereas, I, Aiguo Wang of  
4 Greenbrier Court; Wayne, New Jersey 07470  
hereafter referred to as assignor, have with others invented certain new and useful improvements in  
COBALT CHROME COATED TITANIUM IMPLANT  
☒ for which an application for a United States Letters Patent was filed on March 4, 2013  
Application Number 13/783,894  
☐ for which an application for a United States Letters Patent was executed by me on \_\_\_\_\_  
and \_\_\_\_\_

Whereas, Howmedica Osteonics Corp.  
a corporation of New Jersey herein referred to as "assignee" whose mailing address is  
325 Corporate Drive; Mahwah, New Jersey 07430  
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.

2/10/2014 (Date)                      [Signature] (Signature)

State of New Jersey ) SS:  
County of Bergen )

On this 10<sup>th</sup> day of February, 2014 before me personally came the above-named Aiguo Wang  
Wang, 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.

Ashley Salerno  
(Notary Public)  
ASHLEY M. SALERNO

NOTARY PUBLIC OF NEW JERSEY  
Total of 8 forms are submitted:  
My Commission Expires 7/31/2018

<b>ASSIGNMENT OF UTILITY APPLICATION</b>	Docket Number (Optional) <b>OSTEONICS 3.0-882</b>
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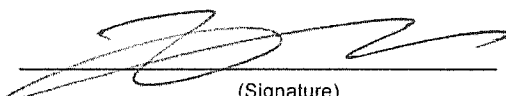
Whereas, I, Zongtao Zhang of  
3 Skyview Terrace; Riverdale, New Jersey 07457  
hereafter referred to as assignor, have with others invented certain new and useful improvements in  
COBALT CHROME COATED TITANIUM IMPLANT  
☒ for which an application for a United States Letters Patent was filed on March 4, 2013  
Application Number 13/783,894  
☐ for which an application for a United States Letters Patent was executed by me on \_\_\_\_\_,  
and \_\_\_\_\_

Whereas, Howmedica Osteonics Corp.  
a corporation of New Jersey herein referred to as "assignee" whose mailing address is  
325 Corporate Drive; Mahwah, New Jersey 07430  
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.

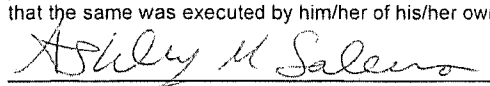
And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application  
when known.

2/11/2014  
(Date)

  
(Signature)

State of New Jersey ) SS:  
County of Bergen )

On this 11 day of February, 2014 before me personally came the above-named Zongtao Zhang,  
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)

<input checked="" type="checkbox"/>	*Total of <u>ASHELY M. SALERNO</u> forms are submitted. NOTARY PUBLIC OF NEW JERSEY My Commission Expires <u>7/31/2018</u>
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1.0-528

3066489

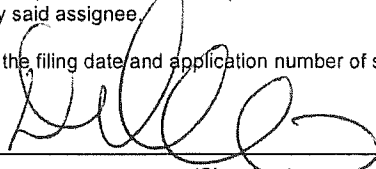
<b>ASSIGNMENT OF UTILITY APPLICATION</b>	Docket Number (Optional) <b>OSTEONICS 3.0-882</b>
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Whereas, I, Daniel E. Lawrynowicz of  
96 Ralphie Lane; Monroe, New York 10950  
hereafter referred to as assignor, have with others invented certain new and useful improvements in  
COBALT CHROME COATED TITANIUM IMPLANT  
☒ for which an application for a United States Letters Patent was filed on March 4, 2013  
Application Number 13/783,894  
☐ for which an application for a United States Letters Patent was executed by me on \_\_\_\_\_  
and \_\_\_\_\_

Whereas, Howmedica Osteonics Corp.  
a corporation of New Jersey herein referred to as "assignee" whose mailing address is  
325 Corporate Drive; Mahwah, New Jersey 07430  
is desirous of acquiring the entire right, title and interest in the same;

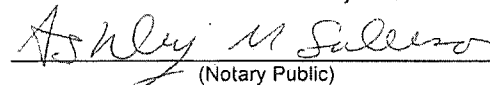
NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries 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.

2/11/14 (Date)
 (Signature)

State of New Jersey ) SS:  
County of Bergen )

On this 11 day of February, 2014 before me personally came the above-named Daniel E. Lawrynowicz, 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)

☒ \*Total of 5 forms are submitted.  
**ASHLEY M. SALERNO**  
**NOTARY PUBLIC NEW JERSEY**  
My Commission Expires **7/31/2018**

I.D.-528

<b>ASSIGNMENT OF UTILITY APPLICATION</b>	Docket Number (Optional) <b>OSTEONICS 3.0-882</b>
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Whereas, I, Thomas Francis McCarthy of  
210 Johns Lane; Neshanic Station, New Jersey 08853  
hereafter referred to as assignor, have with others invented certain new and useful improvements in  
COBALT CHROME COATED TITANIUM IMPLANT  
☒ for which an application for a United States Letters Patent was filed on March 4, 2013  
Application Number 13/783,894  
☐ for which an application for a United States Letters Patent was executed by me on \_\_\_\_\_  
and \_\_\_\_\_

Whereas, Howmedica Osteonics Corp.  
a corporation of New Jersey herein referred to as "assignee" whose mailing address is  
325 Corporate Drive; Mahwah, New Jersey 07430  
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.

2-11-14 (Date)                      [Signature] (Signature)

State of New Jersey ) SS:  
County of Bergen )

On this 11 day of February, 2014 before me personally came the above-named Thomas Francis McCarthy, 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.

Ashley M. Salerno  
(Notary Public)

**ASHLEY M. SALERNO**  
**NOTARY PUBLIC OF NEW JERSEY**  
My Commission Expires **7/31/2018**

☒ \*Total Fee Paid for Recording

FD-528

<b>ASSIGNMENT OF UTILITY APPLICATION</b>	Docket Number (Optional) <b>OSTEONICS 3.0-882</b>
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Whereas, I, Keenan Michael Hanson of  
354 Bramertown Road; Tuxedo, New York 10987  
hereafter referred to as assignor, have with others invented certain new and useful improvements in  
COBALT CHROME COATED TITANIUM IMPLANT  
☒ for which an application for a United States Letters Patent was filed on March 4, 2013  
Application Number 13/783,894  
☐ for which an application for a United States Letters Patent was executed by me on \_\_\_\_\_  
and \_\_\_\_\_

Whereas, Howmedica Osteonics Corp.  
a corporation of New Jersey herein referred to as "assignee" whose mailing address is  
325 Corporate Drive; Mahwah, New Jersey 07430  
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  
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assignee my entire right, title and interest for the United States of America and all other countries in and to said  
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And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application  
when known.

2/11/14 (Date)                      [Signature] (Signature)

State of New Jersey ) SS:  
County of  Bergen  )

On this 11 day of February, 2014 before me personally came the above-named Keenan  
Michael Hanson, 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.

Ashley M Salerno  
(Notary Public)

☒ \*Total of ASHELY M. SALERNO admitted.  
1 D-528  
**NOTARY PUBLIC OF NEW JERSEY**  
My Commission Expires 7/31/2018