

Form PTO-1595 (Rev. 09/04)  
OMB No. 0651-0027 (exp. 6/30/2005)

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

## RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents at the new address(es) below.

**1. Name of conveying party(ies)/Execution Date(s):**

DANIEL E. LAWRYNOWICZ (03/23/2007),  
AIGUO WANG (03/23/2007), AND ZONGTAO  
ZHANG (03/23/2007)

Execution Date(s): in parentheses after inventor name

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

**3. Nature of Conveyance:**

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

**2. Name and address of receiving party(ies)**

Name: HOWMEDICA OSTEONICS CORP.

Internal Address: \_\_\_\_\_

Street Address: \_\_\_\_\_

325 CORPORATE DRIVE

City: MAHWAH

State: NEW JERSEY

Country: United States of America Zip: 07430

Additional name(s) & address(es) attached: ☐ Yes ☒ No

**4. Application or patent number(s):**

A. Patent Application No.(s)

11/728,677

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Dennis M. Smid, Esq.  
LERNER, DAVID, LITTENBERG,  
KRUMHOLZ & MENTLIK, LLP

Internal Address: Atty. Dkt.: \_\_\_\_\_

Street Address: 600 South Avenue West

City: Westfield

State: NJ Zip: 07090

Phone Number: (908) 518-6374

Fax Number: (908) 654-0415

Email Address: dsmid@ldlkm.com

**6. Total number of applications and patents involved:**

1

**7. Total fee (37 CFR 1.21(h) & 1.41) \$** 40.00

- ☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 12-1095  
Authorized User Name Dennis M. Smid, Esq.

**9. Signature:**



Signature

September 24, 2008

Date

Dennis M. Smid, Esq. - 34,930  
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

4

former PTO/§6/15 (8-00) Modified LDLKM

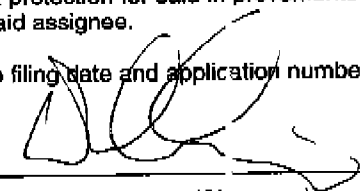
<b>ASSIGNMENT OF UTILITY APPLICATION</b>	Docket Number (Optional) <b>OSTEONICS 3.0-628</b>
--	--

Whereas, I, Daniel E. Lawrynowicz of  
36 Manor Drive; Cornwall, New York 12518  
hereafter referred to as assignor, have with others invented certain new and useful improvements in  
**METHOD FOR FABRICATING A MEDICAL COMPONENT FROM A MATERIAL HAVING A  
HIGH CARBIDE PHASE**  
☒ for which an application for a United States Letters Patent was filed on March 26, 2007  
Application Number 11/728,677  
☐ 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;

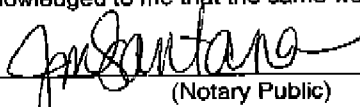
NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00 ), the receipt whereof  
is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said  
assignee my entire right, title and interest for the United States of America and all other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

3-23-2007 (Date)  (Signature)

State of New Jersey ) ss:  
County of Bergen )

On this 23<sup>rd</sup> day of March, 2007 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 3 forms are submitted.

I.D-528

JACQUELINE M. SANTANA  
Notary Public of New Jersey  
Commission Expires 11/29/2011

**PATENT**  
**REEL: 021583 FRAME: 0847**

former PTO/SB/15 (8-00) Modified LDLKM

<b>ASSIGNMENT OF UTILITY APPLICATION</b>	Docket Number (Optional) <b>OSTEONICS 3.0-628</b>
--	--

Whereas, I, Aiguo Wang of  
4 Greenbrier Ct.; Wayne, New Jersey 07470

hereafter referred to as assignor, have with others invented certain new and useful improvements in  
**METHOD FOR FABRICATING A MEDICAL COMPONENT FROM A MATERIAL HAVING A  
HIGH CARBIDE PHASE**

☒ for which an application for a United States Letters Patent was filed on March 26, 2007  
Application Number 11/728,677

☐ for which an application for a United States Letters Patent was executed by me on \_\_\_\_\_  
and \_\_\_\_\_

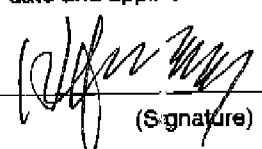
Whereas, Howmedica Osteonics Corp.  
a corporation of New Jersey herein referred to as "assignee" whose mailing address is  
325 Corporate Drive; Mahwah, New Jersey 07430

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.

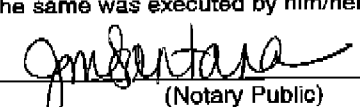
And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application  
when known.

3-23-2007  
(Date)

  
(Signature)

State of New Jersey ) SS:  
County of Bergen )

On this 23<sup>rd</sup> day of March, 2007 before me personally came the above-named Aiguo 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.

  
(Notary Public)

☒ \*Total of 3 forms are submitted.

LD-528

JACQUELINE M. SANTANA  
Notary Public of New Jersey  
Commission Expires 11/29/2011

**PATENT**  
**REEL: 021583 FRAME: 0848**

former PTO/SB/16 (8-00) Modified LDLK&amp;M

<b>ASSIGNMENT OF UTILITY APPLICATION</b>	Docket Number (Optional) <b>OSTEONICS 3.0-628</b>
--	--

Whereas, I, Zongtao Zhang of  
24 Oakridge, Unionville, Connecticut 06085

hereafter referred to as assignor, have with others invented certain new and useful improvements in  
**METHOD FOR FABRICATING A MEDICAL COMPONENT FROM A MATERIAL HAVING A  
 HIGH CARBIDE PHASE**

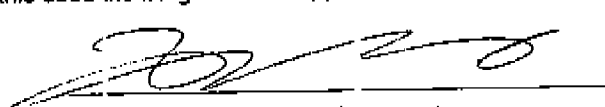
☒ for which an application for a United States Letters Patent was filed on March 26, 2007  
 Application Number 11/728,677

☐ 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;

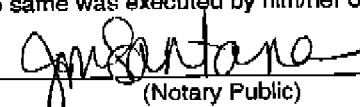
NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00 ), the receipt whereof  
 is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said  
 assignee my entire right, title and interest for the United States of America and all other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

3-23-2007 (Date)  (Signature)

State of New Jersey ) SS:  
 County of Bergen )

On this 23rd day of March 2007 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.

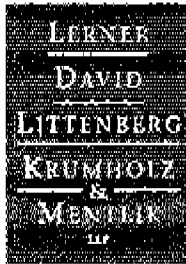
  
 (Notary Public)

☒ \*Total of 3 forms are submitted.

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JACQUELINE M. SANTANA  
 Notary Public of New Jersey  
 Commission Expires 11/29/2011

**PATENT**  
**REEL: 021583 FRAME: 0849**



600 SOUTH AVENUE WEST • WESTFIELD, NEW JERSEY 07090  
908.654.5000 • FAX 908.654.7866 • WWW.LDLKM.COM

PATENTS, TRADEMARKS, COPYRIGHTS & UNFAIR COMPETITION

## Facsimile Transmittal

To:	Fax Number	From
USPTO Assignment Division	571-273-0140	Phyllis Kelly 908-518-6456

Date: September 24, 2008  
No. Pages: 6  
File Name.: OSTEONICS 3.0-564  
Client/Matter No: OSTEON/4336  
Attorney/Secretary: DMS/lb

### MESSAGE:

Please record the attached assignment and fax the Notice of Recordation to Phyllis Kelly at 908-654-7866.

NOTICE: The information contained herein is intended only for the addressee identified above. It may or may not include material that is confidential, attorney-client privileged, attorney work product, copyrighted, and/or inside information. If you are not the intended recipient, or a person responsible for delivering this message to the intended recipient, you are hereby notified that the unauthorized use, disclosure, distribution or copying is strictly prohibited and may be in violation of court order or otherwise unlawful. If you have received this transmission in error, please immediately notify us at 908 654 5000 (collect, if necessary) and return this document to us by mail.

907486 1.DOC

RECORDED: 09/24/2008

PATENT  
REEL: 021583 FRAME: 0850