

Form PTO-1595 (Rev. 09/04)  
OMB No. 0851-0027 (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 or the new address(es) below.

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

DANIEL E. LAWRYNOWICZ (03/23/2077),  
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)

11/728,676

☐ 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.: OSTEONICS 3.0-634

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) & 3.41) \$** 40.00

☐ Authorized to be charged by credit card

☒ Authorized to be charged to deposit account

☐ Enclosed

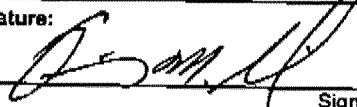
☐ None required (government interest not affecting title)

**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

June 3, 2011

Date

Dennis M. Smid, Esq. - 34,930

Name of Person Signing

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

4

former PTO/SB/15 (8-00) Modified LDLK&amp;M

<b>ASSIGNMENT OF UTILITY APPLICATION</b>	Docket Number (Optional) <b>OSTEONICS 3.0-634</b>
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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 AND SUCH MEDICAL COMPONENT**

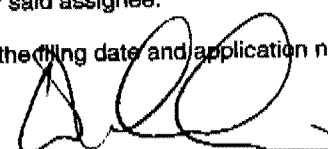
☒ for which an application for a United States Letters Patent was filed on \_\_\_\_\_  
Application Number \_\_\_\_\_

☐ 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;

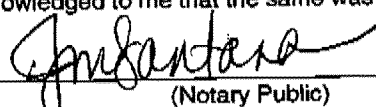
NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00 ), the receipt whereof  
is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said  
assignee my entire right, title and interest for the United States of America and all other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

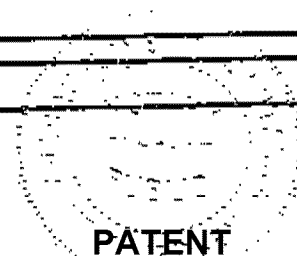
On this 22nd day of MARCH, 2007 before me personally came the above-named  
Daniel E. Lawrynowicz, to me personally known as the individual who executed the foregoing instrument, who  
acknowledged to me that the same was executed by him/her of his/her own free will for the purposes therein set forth.

  
\_\_\_\_\_  
(Notary Public)

☒ \*Total of 3 forms are submitted.

LD-528

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



REEL: 026398 FRAME: 0277

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

**ASSIGNMENT OF UTILITY APPLICATION**

Docket Number (Optional)

OSTEONICS 3.0-634

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 AND SUCH MEDICAL COMPONENT**

- ☒ for which an application for a United States Letters Patent was filed on \_\_\_\_\_  
 Application Number \_\_\_\_\_
- ☐ for which an application for a United States Letters Patent was executed by me on \_\_\_\_\_  
 and \_\_\_\_\_

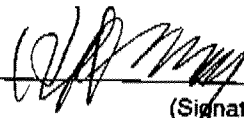
Whereas, Howmedica Osteonics Corp.  
 a corporation of New Jersey herein referred to as "assignee" whose mailing address is  
325 Corporate Drive; Mahwah, New Jersey 07430  
 is desirous of acquiring the entire right, title and interest in the same;

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

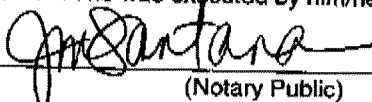
(Date)



(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.

I.D. 528\

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



PATENT

REEL: 026398 FRAME: 0278

former PTO/SB/15 (8-00) Modified LDLK&amp;M

<b>ASSIGNMENT OF UTILITY APPLICATION</b>	Docket Number (Optional) <b>OSTEONICS 3.0-634</b>
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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 AND SUCH MEDICAL COMPONENT**

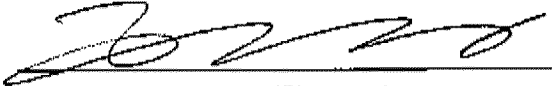
☒ for which an application for a United States Letters Patent was filed on \_\_\_\_\_  
Application Number \_\_\_\_\_

☐ 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;

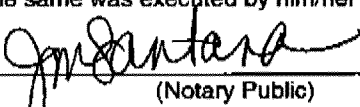
NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00 ), the receipt whereof  
is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said  
assignee my entire right, title and interest for the United States of America and all other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



RECORDED: 06/03/2011

REEL: 026398-FRAME: 0279