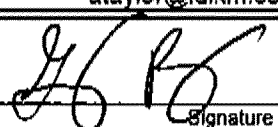


Form PTO-159S (Rev. 03-11)  
OMB No. 0651-0027 (exp. 03/31/2015)

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

| RECORDATION FORM COVER SHEET<br>PATENTS ONLY  |  |
|---|--|
| To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.   |  |
| <b>1. Name of conveying party(ies):</b><br>Roy Phillip Splieth (08/10/2006) and Shawn Michael Kroll (08/10/2006)<br><br>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  | <b>2. Name and address of receiving party(ies)</b><br>Name: <u>Howmedica Osteonics Corp.</u><br>Internal Address: _____<br>Street Address: _____<br><br>325 Corporate Drive<br><br>City: <u>Mahwah</u><br>State: <u>New Jersey</u><br>Country: <u>United States of America</u> Zip: <u>07430</u><br>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No     |
| <b>3. Nature of conveyance/Execution Date(s):</b><br>Execution Date(s): <u>in parentheses after inventor name</u><br><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name<br><input type="checkbox"/> Security Agreement <input type="checkbox"/> Joint Research Agreement<br><input type="checkbox"/> Government Interest Assignment<br><input type="checkbox"/> Executive Order 9424, Confirmatory License<br><input type="checkbox"/> Other _____  | <b>4. Application or patent number(s):</b> <input type="checkbox"/> This document is being filed together with a new application.<br>A. Patent Application No.(s)<br><u>13/525,788</u><br>B. Patent No.(s)<br>_____<br><br>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  |
| <b>5. Name and address to whom correspondence concerning document should be mailed:</b><br>Name: <u>Gregory M. Reilly</u><br><u>LERNER, DAVID, LITTENBERG,</u><br><u>KRUMHOLZ &amp; MENTLIK, LLP</u><br><br>Internal Address: <u>Atty. Dkt.:</u><br>Street Address: <u>600 South Avenue West</u><br><br>City: <u>Westfield</u><br>State: <u>NJ</u> Zip: <u>07090</u><br>Phone Number: <u>908-654-5000</u><br>Fax Number: <u>908-654-7866</u><br>Email Address: <u>ataylor@ldlkm.com</u>   | <b>6. Total number of applications and patents involved:</b> <span style="border: 1px solid black; padding: 2px 10px;">1</span><br><br><b>7. Total fee (37 CFR 1.21(h) &amp; 3.41)</b> \$ <u>40.00</u><br><br><input checked="" type="checkbox"/> Authorized to be charged to deposit account<br><input type="checkbox"/> Enclosed<br><input type="checkbox"/> None required (government interest not affecting title) |
| <b>8. Payment Information</b><br><br>Deposit Account Number <u>12-1095</u><br>Authorized User Name <u>Gregory M. Reilly</u>   |  |
| <b>9. Signature:</b><br><div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> <br/>           _____<br/>           Signature         </div> <div style="text-align: center;"> <u>June 19, 2012</u><br/>           _____<br/>           Date         </div> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 10px;"> <div style="text-align: center;"> <u>Gregory M. Reilly - 64,006</u><br/>           Name of Person Signing         </div> <div style="text-align: center;">           Total number of pages including cover sheet, attachments, and documents: <span style="border: 1px solid black; padding: 2px 10px;">3</span> </div> </div> |  |

CH \$40.00 121095 13525788

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

**ASSIGNMENT OF UTILITY APPLICATION**

Docket Number (Optional)

OSTEONICS 3.0-631

RPS (RPS)

Whereas, I, Roy Philip Splieth New York of  
22 Midland Avenue; Central Valley, New Jersey 10917

hereafter referred to as assignor, have with others invented certain new and useful improvements in

EXPANDING TRIAL STEM FOR ORTHOPAEDIC SURGERY

for which an application for a United States Letters Patent was filed on August 11, 2006  
Application Number 11/503,459

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.

8/10/06  
(Date)

Roy Splieth  
(Signature)

State of NEW JERSEY ) SS:  
County of BERGEN )

On this 10<sup>th</sup> day of AUGUST, 2006 before me personally came the above-named Roy Phillip Splieth, 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.

Jean M. Althoff  
(Notary Public)

\*Total of 2 forms are submitted.

**JEAN M. ALTHOFF**  
**NOTARY PUBLIC OF NEW JERSEY**  
Commission Expires 2/19/2009



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

|  |                          |
|--|--------------------------|
| <b>ASSIGNMENT OF UTILITY APPLICATION</b> | Docket Number (Optional) |
|  | <b>OSTEONICS 3.0-831</b> |

Whereas, I, Shawn Michael Kroll of 24 Leonard Drive; Waldwick, New Jersey 07463

hereafter referred to as assignor, have with others invented certain new and useful improvements in

EXPANDING TRIAL STEM FOR ORTHOPAEDIC SURGERY

for which an application for a United States Letters Patent was filed on August 11, 2006  
Application Number 11/503,459

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

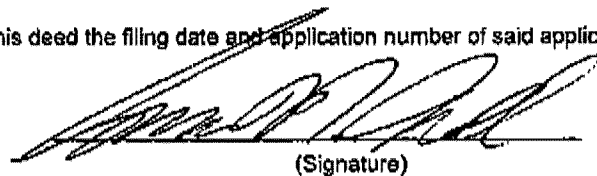
Whereas, Howmedica Osteonics Corp.  
a corporation of New Jersey herein referred to as "assignee" whose mailing address is  
325 Corporate Drive; Mahwah, New Jersey 07430

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.

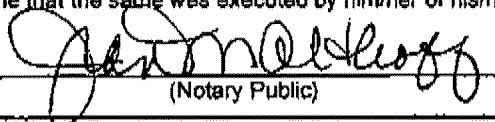
And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

8/10/06  
(Date)

  
(Signature)

State of NEW JERSEY ) SS:  
County of BERGEN )

On this 10<sup>th</sup> day of AUGUST, 2006 before me personally came the above-named Shawn Michael Kroll, 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 2 forms are submitted.

**JEAN M. ALTHOFF**  
NOTARY PUBLIC OF NEW JERSEY  
Commission Expires 2/19/2009

**PATENT**