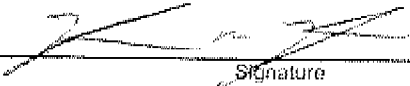


Form PTO-1595 (Rev. 09/04)
OMB No. 0651-0027 (exp. 6/30/2005)U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

RECORDATION FORM COVER SHEET PATENTS ONLY

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

<p>1. Name of conveying party(ies)/Execution Date(s): WILLIAM O'NEIL (05/19/2007), CHRISTOPHER J. SUTCLIFFE (05/16/2007), AND ERIC JONES (05/09/2007)</p> <p>Execution Date(s): in parentheses after inventor name</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies)</p> <p>Name: <u>HOWMEDICA OSTEONICS CORP.</u></p> <p>Internal Address: _____</p> <p>Street Address: _____</p> <p>325 CORPORATE DRIVE</p> <p>City: <u>MAHWAH</u></p> <p>State: <u>NEW JERSEY</u></p> <p>Country: <u>United States of America</u> Zip: <u>07430</u></p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of Conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Government Interest Assignment</p> <p><input type="checkbox"/> Executive Order 9424, Confirmatory License</p> <p><input type="checkbox"/> Other _____</p>	<p>4. Application or patent number(s): <input type="checkbox"/> This document is being filed together with a new application.</p> <p>A. Patent Application No.(s) 11/648,703</p> <p>B. Patent No.(s)</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>5. Name and address to whom correspondence concerning document should be mailed:</p> <p>Name: Kevin M. Kocun LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP</p> <p>Internal Address: Atty. Dkt.:</p> <p>Street Address: 600 South Avenue West</p> <p>City: <u>Westfield</u></p> <p>State: <u>NJ</u> Zip: <u>07090</u></p> <p>Phone Number: <u>(908) 518-6383</u></p> <p>Fax Number: <u>(908) 654-0415</u></p> <p>Email Address: <u>kkocun@ldlkm.com</u></p>	<p>6. Total number of applications and patents involved: 1</p> <p>7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u></p> <p><input type="checkbox"/> Authorized to be charged by credit card</p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <p><input type="checkbox"/> Enclosed</p> <p><input type="checkbox"/> None required (government interest not affecting title)</p>
<p>9. Signature:</p> <p style="text-align: center;"> _____ Signature</p> <p style="text-align: right;">June 11, 2007 Date</p> <p style="text-align: center;">Kevin M. Kocun - 54,230 Name of Person Signing</p>	<p>8. Payment Information</p> <p>a. Credit Card Last 4 Numbers _____ Expiration Date _____</p> <p>b. Deposit Account Number <u>12-1095</u> Authorized User Name <u>Kevin M. Kocun</u></p>
<p>Total number of pages including cover sheet, attachments, and documents: 4</p>	

CH \$40.00 121096 11648703

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

ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

OSTEONICS 3.0-569

Whereas, I, William O'Neill of
University of Liverpool, Faculty of Engineering, Ashton Bldg., LIVERPOOL, L69 3GH, UNITED KINGDOM

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

LASER-PRODUCED IMPLANTS

for which an application for a United States Letters Patent was filed on December 29, 2006

Application Number 11/648,703

for which an application for a United States Letters Patent was executed by me on _____

for which an International Application was filed on _____, as

_____, designating the United States.

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, 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 all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, 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.

1/9/07
Date

William O'Neill
William O'Neill

[Signature]
Witness

Laura R. Harkin
Typed Name of Witness

*Total of 3 forms are submitted.

former PTO/SB/15 (8-00) Modified 11/1/98

ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

OSTEONICS 3.0-569

Whereas, I, Christopher J. Sutcliffe of University of Liverpool, Faculty of Engineering, Victoria Bldg., Brownlow Hill, LIVERPOOL, L69 3GH, UNITED KINGDOM

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

LASER-PRODUCED IMPLANTS

for which an application for a United States Letters Patent was filed on December 29, 2006

Application Number 11/648,703

for which an application for a United States Letters Patent was executed by me on _____

for which an International Application was filed on _____, as

_____, designating the United States.

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, 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 all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, 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.

10/5/07
Date


Christopher J. Sutcliffe


Witness

Robin Stamp
Typed Name of Witness

*Total of 3 forms are submitted.

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

ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)
OSTEONICS 3.0-569

Whereas, I, Eric Jones of Ardlahan, Kildimo, Limerick, IRELAND

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

- for which an application for a United States Letters Patent was filed on December 29, 2006
Application Number 11/648,703
- for which an application for a United States Letters Patent was executed by me on _____
- for which an International Application was filed on _____, as

_____, designating the United States.

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, 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 all claims for damages by reason of past infringement with the right to sue for and collect the same for its own use and the use of its successors, assigns and legal representatives, 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.

09.05.07
Date


Eric Jones


Witness

M. MURPHY
Typed Name of Witness

*Total of 3 forms are submitted.