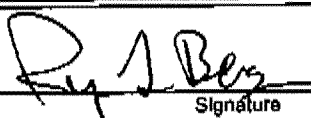


Form PTO-1595 (Rev. 03-11)
OMB No. 0651-0027 (exp. 03/31/2015)

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

RECORDATION FORM COVER SHEET 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): Eric Jones (03/28/2012), Christopher J. Sutcliffe (06/01/2012), Joe Robinson (06/01/2012), Dan Jones (06/01/2012), and Additional name(s) of conveying party(ies) attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2. Name and address of receiving party(ies) Name: <u>Stryker Ireland Ltd.</u> Internal Address: _____ Street Address: _____ IDA Industrial Estate City: <u>Carrigtwohill, Cork</u> State: _____ Country: <u>Ireland</u> Zip: _____ Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance/Execution Date(s): Execution Date(s): <u>In parentheses after inventor name</u> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Security Agreement <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____	4. Application or patent number(s): <input type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) <u>13/441,154</u> B. Patent No.(s) Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5. Name and address to whom correspondence concerning document should be mailed: Name: <u>Ryan L. Bergeron</u> <u>LERNER, DAVID, LITTENBERG,</u> <u>KRUMHOLZ & MENTLIK, LLP</u> Internal Address: Atty. Dkt.: <u>OSTEONICS 3.0-828</u> Street Address: <u>600 South Avenue West</u> City: <u>Westfield</u> State: <u>NJ</u> Zip: <u>07090</u> Phone Number: <u>908-654-5000</u> Fax Number: <u>908-654-7866</u> Email Address: <u>ataylor@ldlkm.com</u>	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u> <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title)
8. Payment Information Deposit Account Number <u>12-1095</u> Authorized User Name <u>Ryan L. Bergeron</u>	
9. Signature: <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;">  _____ Signature Ryan L. Bergeron - 66,377 Name of Person Signing </div> <div style="text-align: right;"> <u>June 21, 2012</u> Date Total number of pages including cover sheet, attachments, and documents: 7 </div> </div>	

CH \$40.00 121095 13441154

RECORDATION FORM COVER SHEET (PTO-1595) (supplemental sheet)					
Additional Conveying Party(ies)/Execution Date(s) (1. Continued): Lewis Mullen (03/23/2012)					
Additional Assignees (2. Continued): Assignee Name: _____ Internal Address: _____ Street Address: _____ City: _____ State: _____ Country: _____ Zip: _____					
 Assignee Name: _____ Internal Address: _____ Street Address: _____ City: _____ State: _____ Country: _____ Zip: _____					
 Assignee Name: _____ Internal Address: _____ Street Address: _____ City: _____ State: _____ Country: _____ Zip: _____					
Additional Applications and/or Patents (4. Continued): <table border="1"><thead><tr><th>Additional Patent Application Numbers 4A. Continued:</th><th>Additional Patent Numbers 4B. Continued:</th></tr></thead><tbody><tr><td colspan="2"><div>Additional numbers attached? <input type="checkbox"/> Yes <input type="checkbox"/> No</div></td></tr></tbody></table>		Additional Patent Application Numbers 4A. Continued:	Additional Patent Numbers 4B. Continued:	<div>Additional numbers attached? <input type="checkbox"/> Yes <input type="checkbox"/> No</div>	
Additional Patent Application Numbers 4A. Continued:	Additional Patent Numbers 4B. Continued:				
<div>Additional numbers attached? <input type="checkbox"/> Yes <input type="checkbox"/> No</div>					

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

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) OSTEONICS 3.0-828
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Whereas, I, Christopher J. Sutcliffe of 16 Menlove Gardens South; Mossley Hill; LIVERPOOL; L18 2EL; UNITED KINGDOM hereafter referred to as assignor, have with others invented certain new and useful improvements in **SURFACE MODIFIED UNIT CELL LATTICE STRUCTURES FOR OPTIMIZED SECURE FREEFORM FABRICATION**

☒ for which an application for a United States Letters Patent was filed on April 6, 2012
 Application Number 13/441,154

☐ 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

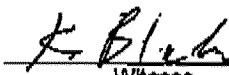
Whereas, Stryker Ireland Ltd. a corporation of Ireland herein referred to as "assignee" whose mailing address is IDA Industrial Estate; Carrigtwohill; Cork; IRELAND is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollar (\$ 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.

11/6/2012
 Date


 Christopher J. Sutcliffe


 Witness
KATE SCHICK
 Typed Name of Witness

<input checked="" type="checkbox"/>	*Total of <u>5</u> forms are submitted.
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former PTO/SB/15 (6-00) Modified LDLKM

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) OSTEONICS 3,0-828
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Whereas, I, Joe Robinson of
Fell View, 211 Woodplumpton Road, Woodplumpton, Preston, LANCASHIRE, PR4 0TA, UNITED KINGDOM
 hereafter referred to as assignor, have with others invented certain new and useful improvements in
SURFACE MODIFIED UNIT CELL LATTICE STRUCTURES FOR OPTIMIZED SECURE FREEFORM FABRICATION
☒ for which an application for a United States Letters Patent was filed on April 6, 2012
 Application Number 13/441,154
☐ 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, Stryker Ireland Ltd.
 a corporation of Ireland herein referred to as "assignee" whose mailing address is
IDA Industrial Estate, Carrigtwohill, Cork, IRELAND
 is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollar (\$ 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 assignee, 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.

01/06/2012
 Date


 Joe Robinson

PETER FOX
 Witness
PETER FOX
 Typed Name of Witness

<input checked="" type="checkbox"/> *Total of <u>5</u> forms are submitted.

former PTO/SB/15 (\$-05) Modified LDLKM

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) OSTEONICS 3.0-828
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Whereas, I, Dan Jones of
Ardlehan; Kildimo; Limerick; IRELAND
 hereafter referred to as assignor, have with others invented certain new and useful improvements in
**SURFACE MODIFIED UNIT CELL LATTICE STRUCTURES FOR OPTIMIZED SECURE
 FREEFORM FABRICATION**

☒ for which an application for a United States Letters Patent was filed on April 6, 2012
 Application Number 13/441,154

☐ 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, Stryker Ireland Ltd.
 a corporation of Ireland herein referred to as "assignee" whose mailing address is
IDA Industrial Estate; Carrigtwohill; Cork; IRELAND
 is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollar (\$ 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/June/2012
 Date


 Dan Jones


 Witness

PETER FOX
 Typed Name of Witness

<input checked="" type="checkbox"/>	*Total of <u>5</u> forms are submitted.
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former PTO/9B/15 (8-00) Modified LDLKM

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) OSTEONICS 3.0-828
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Whereas, I, Lewis Mullen of
48 Reeds Lane, Moreton, Wirral, MERSEYSIDE, CH46 1PP, UNITED KINGDOM
hereafter referred to as assignor, have with others invented certain new and useful improvements in
**SURFACE MODIFIED UNIT CELL LATTICE STRUCTURES FOR OPTIMIZED SECURE
FREEFORM FABRICATION**

☒ for which an application for a United States Letters Patent was filed on April 6, 2012
Application Number 13/441,154

☐ 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.

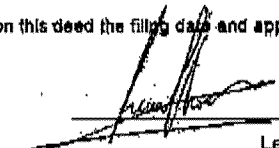
And

Whereas, Stryker Ireland Ltd.
a corporation of Ireland herein referred to as "assignee" whose mailing address is
IDA Industrial Estate, Carrigtwohill, Cork, IRELAND
is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollar (\$ 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 interference 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.

23rd March 2012
Date


Lewis Mullen

S. KENNEDY
Witness
S. KENNEDY
Typed Name of Witness

☒ Total of 5 forms are submitted.

PATENT

RECORDED: 06/21/2012

REEL: 028432 FRAME: 0588