orm PTO-1595 (Rev. 03-11) MB No. 0651-0027 (exp. <u>03/31/2015)</u>	U,S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office	
RECORDATION I	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(les):	2. Name and address of receiving party(les)	
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(les) attached?	Name: Stryker Ireland Ltd. Internal Address:  Street Address:	
3. Nature of conveyance/Execution Date(*):		
Execution Date(s): in parentheses after inventor name	IDA Industrial Estate	
X Assignment Merger Change of Name		
Security Agreement Joint Research Agreement	City: Carrigtwohill, Cork	
Government Interest Assignment	State:	
Executive Order 9424, Confirmatory License	Country: Ireland Zip:	
Other	Additional name(s) & address(es) Yes X No	
13/441,154 Additional numbers atta	ached? Yes X No	
Name and address to whom correspondence concerning document should be malled:	6. Total number of applications and patents involved:	
Name: Ryan L. Bergeron LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00	
Internal Address: Atty. Dkt.: OSTEONICS 3.0-828		
Street Address: 600 South Avenue West	X Authorized to be charged to deposit account	
	Enclosed	
	None required (government interest not affecting tit	
City: Westfield	8. Payment Information	
State: NJ Zip: 07090	**************************************	
Phone Number: 908-654-5000		
Fax Number: 908-654-7866	Deposit Account Number 12-1095	
Email Address: ataylor@ldlkm.com	Authorized User Name Ryan L. Bergeron	
9. Signature:	June 21, 2012	
Signature Purce I Perceron - 66 377	Total number of pages including cover 7	
Ryan L. Bergeron - 66,377  Name of Person Signing	sheet, attachments, and documents:	

PATENT REEL: 028432 FRAME: 0583

60014600146001460014600146001 A. I. B.		FORM COVER SHEET (PTO-159 upplemental sheet)	(5)
Additional Conv	eying Party(ies)/Exec	ution Date(s) (1. Continued):	•
Lewis Mullen (03/2	23/2012)		
Additional Assig	gnees (2. Continued):	<b>V</b>	
Assignee Name;			
Internal Address:	The state of the s	1 100 100 100 100 100 100 100 100 100 1	nnoncontratoriorina natura
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 Appli	cations and/or Patents	(4. Continued):	
Additional Patent Applic		Additional Patent Numbers 4B. Continued;	
	Additional numbers a	attached? Yes No	

2

Docket No.: OSTEONICS 3.0-828

PATENT

	formar PTO/SB/15 (8-00) Modified LDLKsM	
ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)	
	OSTEONIC\$ 3.0-828	
Whereas, I, Christopher J. Sutcliffe  16 Menlove Gardens South: Mosslev Hill: LIVERPOOL:	of	
hereafter referred to as assignor, have with others invented certs		
SURFACE MODIFIED UNIT CELL LATTICE STRUCT FREEFORM FABRICATION	URES FOR OPTIMIZED SECURE	
X for which an application for a United Stales Letters Pate Application Number	ont was filed on April 6, 2012	
for which an application for a United States Letters Paten	t was executed by me on	
for which an international Application was filed on	, as	
, designating the United	States.	
Whereas, Stryker Ireland Ltd.	•	
a corporation of Ireland herein referred to as "assignee" whose n	nalling address is	
IDA Industrial Estate; Carrigtwohill; Cork; )RELAND	· · · · · · · · · · · · · · · · · · ·	
is desirous of acquiring the entire right, this and interest in the sa	• •	
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 assigner 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, helic and assigns do hereby agree and coverant without further remuneration, to execute and deliver all original, divisional, continuation, release and other applications for Letters Patent on said improvements and 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 inciden		
when known.	ning date and application number of said application	
1/6/ 2012	Choliffe	
Date	Christopher J. Sutcliffe	
Witness  KATE SCHOOL  Typed Name of Witness		
x *Total of 5 forms are submitted.		
x *Total of 5 forms are submitted.		

**PATENT** 

	former PTO/SE/15 (9-00) Modified LDLK&M
Docket Number (Optional)	
ASSIGNMENT OF UTILITY APPLICATION	OSTEONICS 3,0-828
Whereas, I, Joe Robinson  Fell View, 211 Woodplumpton Road: Woodplumpton, Pr KINGDOM  hereafter referred to as assignor, have with others invented certain SURFACE MODIFIED UNIT CELL LATTICE STRUCTEREFORM FABRICATION	ain new and useful improvements in FURES FOR OPTIMIZED SECURE
X   for which an application for a United States Letters Pate Application Number 13/441,154	ent was filed onApril 6, 2012
for which an application for a United States Letters Pater	nt was executed by me on
for which an international Application was filed on	, #\$
, designating the United	States.
And	
Whereas, Stryker Ireland Ltd. a corporation of <u>treland</u> herein referred to as "assignee" whose to iDA industrial Estate; Carrightwohill; Cork; IRELAND	maliling address is
is desirous of acquiring the entire right, title and interest in the se	ame;
NOW, THEREFORE, in consideration of the sum of one is acknowledged, and other good and valuable consideration, is assignee my entire right, title and interest for the United Station invention and the aforesald utility patent application and all of applications and patents applied for or granted therefor in the said invention, including without limitation all applications and patents application pursuant to any law or treaty, at infringement with the right to sue for and collect the same for it legal representatives, and including the right to claim such price trademarks is hereby authorized and requested to issue all pesald assignee herein, as assignee of the entire interest the representatives, helre and assigns do hereby agree and covernall original, divisional, continuation, relegue and other applications assignments thereof to said assignee or its assigns, to communication to the undersigned respecting said improvements, when legal proceedings in which any of said applications or patents all rightful oaths, and to do generally everything necessary to a obtain patent protection for said improvements in all countries, and paid by said assignee.	es of America and all other countries in and to said original, divisional, continuation, substitute or relesue United States of America and all other countries, for atents for said Invention claiming priority or benefit of not including all claims for damages by reason of past is own use and the use of its successors, assigns and prity or benefit and the Commissioner of Patents and stents on said improvements or resulting therefrom to herein; and the undersigned for me and my legal int without further remuneration, to execute and deliver one for Letters Patent on said improvements and ell inlicate to said assigned or its representatives all facts ever requested, to testify in any interferences or other may become involved, to sign all lawful papers, make id assignee, its successors, essigns and nominees to
And I do hereby authorize my attorneys to insert on this deed the when known.	
01/06/2012	1.h. Alexand
Date	Joe Robinson
8 FE	
Witness	
マラマの マット Typed Name of Witness	
x *Total of 5 forms are submitted.	

**PATENT** 

former PTO/SB/16 (8-00) Modified COLKEM

	Docket Number (Optional)	
ASSIGNMENT OF UTILITY APPLICATION	OSTEONICS 3,0-828	
	N	
Whereas, I. Dan Jones	of	
Ardiehan; Kildimo; Limerick; IRELAND		
hereafter referred to as assignor, have with others invented cert SURFACE MODIFIED UNIT CELL LATTICE STRUC FREEFORM FABRICATION	ain new and useful Improvements In TURES FOR OPTIMIZED SECURE	
X for which an application for a United States Letters Pat	ent was filed on April 6, 2012	
Application Number 13/441,154		
for which an application for a United States Letters Pate	nt was executed by the on	
for which an international Application was filed on	, as	
, designating the United	l States.	
And		
Whereas, Stryker Ireland Ltd.		
a corporation of <u>Ireland</u> 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 si	ame:	
	·	
NOW, THEREFORE, in consideration of the sum of one dollar (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, it as assignor hereby sell, assign and set over to said essignee my entire right, title and interest for the United States of America and all offer 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 eald invention, including without limitation all applications and patents for said invention oleiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including all claims for damages by reason of peet 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 Petents 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 covernant without further remuneration, to execute and deliver all original, divisional, continuation, relasue and other applications for Letters Patent on said improvements and ell assignments thereof to said assignee or its assigns, to communicate to said essignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to tastify 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 caths, and to do generally everything necessary to aid assignee, its successors, assigns and rominess to obtain patent protection for said improvements in all countries, the expenses		
when known.		
1/June/2012	- Contraction of the Contraction	
Date	Dan Jones	
P====		
Witness		
PETER FOX	•	
Typed Name of Witness		
x *Total of 5 forms are submitted.		

**PATENT** 

L	n	L	v	
L	u	L	N	D

	former PTO/98/15 (9-00) Modified LDLKAM
ACCIONMENT OF LITH ITY ADDITOATION	Docket Number (Options)
ASSIGNMENT OF UTILITY APPLICATION	OSTEONICS 3.0-828
Whereas, i, Lewis Mollen	of
48 Reads Lene; Moreton, Wirral; MERSEYSIDE; CH46	
hereafter referred to as assignor, have with others invented certing SURFACE MODIFIED UNIT CELL LATTICE STRUCT FREEFORM FABRICATION	ain new and useful imprevements in FURES FOR OPTIMIZED SECURE
x for which an application for a United States Letters Pate Application Number 13/441,154	ent was filed on April 6, 2012
for which an application for a United States Letters Peter	nt 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 <u>Ireland</u> herein referred to as "assignee" whose	wajjing egquésa ja
IDA Industriel Estate; Carrigtyohill; Cork; IRELAND  Is desirous of acquiring the entire right, title and interest in the sa	ame:
assignee my entire right, title and interest for the United Statinvention and the aforesaid utility patent application and all applications and patents applied for or granted therefor in the aid invention, including without limitation all applications and the aforesaid utility application pursuant to any law or freety, a infringement with the right to due for and collect the same for it legal representatives, and including the right to claim such principles and assignes of the entire interest. Trademarks is hereby subhorized and requested to issue all propresentatives, heira and assignes of the entire interest. It is all assignes thereby agree and covers all original, divisional, continuation, reissue and other applications on the undersigned respecting said improvements, when legal proceedings in which any of said applications or patents all rightful oaths; and to do generally everything necessary to a clitally patent protection for said improvements in all countries, and paid by said assignee.  And I do hereby authorize my attorneys to insert on this deed the	original, divisional, continuation, substitute or reissue United States of America and all other countries, for betents for said invention claiming priority or benefit of ind including all claims for damages by tasson of past a own use and the use of its successors. assigns and only or penalit and the Commissioner of Patents and elegia on said improvements or resurting therefrom to herein; and the undersigned for me and my legal int without further remuneration, to execute and deliver include to said assignee or its representatives, all facts lever requested, to testify in any interferences or other may become involved, to sign all lawful papers, make ald assignee, its successors, assigns and nominees to the expenses incident to said applications to be borne.
when known.  23 <sup>rd</sup> March 2012	himfler
Date	Lewis Mullen
8	•
Witness	
S. KENNEPICK	
Typed Name of Witness	
X Total of 5 forms are submitted.	

**PATENT**