PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2980465

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
	Corrective Assignment to correct the NAME OF INVENTOR previously recorded on Reel 033384 Frame 0625. Assignor(s) hereby confirms the ASSIGNMENT.

CONVEYING PARTY DATA

Name	Execution Date
MAXWELL R WOOLLEY	05/24/2014
DAVID R MCMURTRY	06/12/2014
STEVEN GILL	06/12/2014

RECEIVING PARTY DATA

Name:	RENISHAW (IRELAND) LIMITED		
Street Address:	SWORDS BUSINESS PARK		
City:	SWORDS		
State/Country:	IRELAND		

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14374362	

CORRESPONDENCE DATA

Fax Number: (703)836-2787

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

703-836-6400 Phone: Email: email@oliff.com **Correspondent Name:** JAMES A. OLIFF **OLIFF PLC** Address Line 1:

Address Line 2: P.O. BOX 320850

Address Line 4: ALEXANDRIA, VIRGINIA 22320-4850

ATTORNEY DOCKET NUMBER:	162560
NAME OF SUBMITTER:	CATHERINE JONES
SIGNATURE:	/Catherine Jones/
DATE SIGNED:	08/13/2014

Total Attachments: 3

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> **PATENT** REEL: 033531 FRAME: 0947 502933867

502906058 07/24/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2952655

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MAXWELL R WOOLLEY	05/24/2013
DAVID R MCMURTRY	06/12/2013
STEVEN S GILL	06/12/2013

RECEIVING PARTY DATA

Name:	RENISHAW (IRELAND) LIMITED
Street Address:	SWORDS BUSINESS PARK
City:	SWORDS
State/Country:	IRELAND

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14374362	

CORRESPONDENCE DATA

Fax Number: (703)836-2787

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 703-836-6400 Email: email@oliff.com Correspondent Name: JAMES A. OLIFF Address Line 1: **OLIFF PLC**

Address Line 2: P.O. BOX 320850

Address Line 4: ALEXANDRIA, VIRGINIA 22320-4850

ATTORNEY DOCKET NUMBER: 162560 NAME OF SUBMITTER: **CATHERINE JONES** SIGNATURE: /Catherine Jones/ **DATE SIGNED:** 07/24/2014

Total Attachments: 2

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> **PATENT** REEL: 033531 FRAME: 0948

ASSIGNMENT (BEING FILED FOR DUAL PURPOSE UNDER 37 CFR 1.63(e)) For Application with Filing Date on or after September 16, 2012

ASSIGNMENT

Insert	(1)	Maxwell R Woolley	(2)) David R McMurtry	
Legal Name(s)	(3)	Steven Gill	(4))	
of Inventor(s)	(5)		(6))	
	(7)		(8))	
	In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged, each undersigned agrees to assign, and hereby does assign, transfer and set over to				
Insert Name of Assignee	(9)	(9) Renishaw (Ireland) Limited			
Insert Address of Assignee	(10)	Swords Business Park, Swords, Ireland			
	the ent invention	(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, international, confirmation, substitute and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as			
Insert Identification	(11)	Drug Delivery Apparate	ıs		
Number, or Foreign Application Number		(PCT/EP2013/052458)			
	(Attor	ney Docket No.	****)	
Alternative	(12)	U.S. Application Number	r <u>14/3</u>	74,362	
filed applications	filed	July 2	24, 2014		
	of Inventor(s) Insert Name of Assignce Insert Address of Assignce Insert Identification such as Title, Case Number, or Foreign Application Number Alternative Identification for	Legal Name(s) (3) of Inventor(s) (5) (7) In conthe un assign Insert Name of Assignce (9) Insert Address of Assignce (herein the eminivent contine extens Insert Identification such as Title, Case Number, or Foreign Application Number (Attor Alternative Identification for (12)	Legal Name(s) of Inventor(s) (5) (7) In consideration of the sum of or the undersigned, the receipt and assign, and hereby does assign, to the same of Assignee Insert Address of Assignee (10) Swords Business Park, to the entire right, title and interest invention, and in all applications continuation, international, conficulation, reissues and reexaming the entire right, title and interest invention, and in all applications continuation, international, conficulation, reissues and reexaming the entire right, title and interest invention, and in all applications continuation, international, conficulation, reissues and reexaming the entire right, title and interest invention, and in all applications continuation, international, conficulations, reissues and reexaming the entire right, title and interest invention, and in all applications continuation, international, conficulations, reissues and reexaming the entire right, title and interest invention, and in all applications continuation, international, conficulations and reexaming the entire right, title and interest invention, and in all applications continuation, international, conficulations are recommended in the entire right, title and interest invention, and in all applications continuation, international, conficulations are recommended in the entire right.	Legal Name(s) (3) Steven Gill (4) of Inventor(s) (5) (6) (7) (8) In consideration of the sum of one dollar (\$1.00) and of the undersigned, the receipt and sufficiency of which are assign, and hereby does assign, transfer and set over to Insert Name of Assignee (9) Renishaw (Ireland) Limited (10) Swords Business Park, Swords, Ireland (hereinafter designated as the Assignee) and Assignee's the entire right, title and interest for the United States of invention, and in all applications for patent including an continuation, international, confirmation, substitute and extensions, reissues and reexamination certificates that the sum of one dollar (\$1.00) and of the number of the sum of one dollar (\$1.00) and of the number of the sum of one dollar (\$1.00) and of the number of the sum of one dollar (\$1.00) and of the number of the sum of one dollar (\$1.00) and of the number of the sum of one dollar (\$1.00) and of the number of the sum of one dollar (\$1.00) and of the number of the num	

- Each undersigned agrees to execute all papers necessary in connection with any application and/or patent for the invention and also
 to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.
- 2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or patents for the invention and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
- 3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.
- 4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.
- 5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office and other issuing authorities to issue any and all patents resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreement(s) in conflict herewith, and agrees that this assignment is binding on Assignor and Assignor's heirs, successors, assigns and legal representatives.
- 6) Each undersigned hereby grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

(13) Declaration

As an above named inventor, I hereby declare that:

I believe I am the original inventor or an original joint inventor of a claimed invention (or claimed design) in the above-identified application for which this declaration is being submitted.

The application was made or authorized to be made by me.

I have reviewed and understand the contents of the above-identified application, including the claims, and am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR §1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

PATENT REEL: 033531 FRAME: 0949 In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	24 MY 2013	Inventor Signature	_1/1/10 h/2005	(SEAL)			
Dass	12 JUNE 2013	Inventor Signature	Stera lift.	(SEAL)			
Date	10 JUNE 9013	Inventor Signature	Makenter)	(BEAL)			
Date		Inventor Signature		(SEAL)			
Date		Inventor Signature	<u> </u>	(SEAL)			
Date		Inventor Signature		(SPAL)			
Date		Inventor Signature		(SEAL)			
Date		Investor Signature		(SEAL)			
neither.	This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:						
Date	24 May 2013	Witness	2)38(85 76V)MC				
Date	12 June 2013	Witness	Jeffer -				
Date	15 JUNE 5012	Witness	W.				
Date	18 June 2013	Witness //	Matistral	<u>lobo</u> n			
Date		Witness					
Date		Witness					