505133447 10/09/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5180210

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
Stephen Mark ANGOOD	04/10/2017	

RECEIVING PARTY DATA

Name:	Renishaw Plc	
Street Address:	New Mills	
City:	Wotton-under-Edge, Gloucestershire	
State/Country:	United Kingdom	
Postal Code:	GL12 8JR	

PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	16092430		

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:	183064
NAME OF SUBMITTER:	CYNTHIA KLINE
SIGNATURE:	/Cynthia Kline/
DATE SIGNED:	10/09/2018
This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 2

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> PATENT REEL: 047111 FRAME: 0076

505133447

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)	Stephen Mark ANGOOD	(2)	
(1-8)	Legal Name(s)	(3)		(4)	
	of Inventor(s)	(5)	(#************************************	(6)	***************************************
		(7)		(8)	***************************************
		the unc		(\$1.00) and other good and valuable consideration p icy of which are hereby acknowledged, each undersig and set over to	
(9)	Insert Name of Assignee	(9)	Renishaw plc		
(10)	Insert Address of Assignee	(10)	New Mills, Wotton-under-Edg	e, Gloucestershire, GL12 8JR, United Kingdom	
		(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			
(11)	Insert Identification such as Title, Case Number, or Foreign Application Number	(11)	Coordinate Positioning Machin	<u></u>	
			(PCT/GB2017/050909)		
		(Attor	ney Docket No. 183064)
(12)	Alternative Identification for	(12)	U.S. Application Number	16/092,430	
	filed applications	filed	October 9, 2018		

- 1) 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
- 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 Assignce.

 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 Assignce, as Assignce 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.

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: 047111 FRAME: 0077**

Date	10th APRIL 2017	Inventor Signature	Stephen Mark Angood	(SEAL)
Date		Inventor Signature		(SEAL)
Date		Inventor Signature		(SEAL)
Date		Inventor Signature		(SEAL)
Date		Inventor Signature		(SEAL)
Date		Inventor Signature		(SEAL)
Date		Inventor Signature		(SEAL)
Date		Inventor Signature		(SEAL)
neither	This assignment should preferably be sign , then it should be signed before at least two	ned before: (a) a Notary Pub witnesses who also sign he	plic if within the U.S.A. (b) a U.S. Consul if our	tside the U.S.A. If
Date	10th APRIL 2017	Witness	ANG-	
Date	10th APRIL 2017	Witness	P. SWIV.	
Date		Witness		44
Date		_ Witness		
Date		Witness		
Date		Witness		00000000000000000000000000000000000000
Date		Witness		
Date		Witness		

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).