01/12/2018 504727375

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
David Roberts MCMURTRY	08/16/2017
Stephen Mark ANGOOD	09/06/2017
Colin Ray BULLED	09/11/2017
David James FOOK	09/11/2017
Marcus James EALES	09/27/2017
Christopher KEMP	08/02/2017

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:	15744326		

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@oliff.com Email: JAMES A. OLIFF **Correspondent Name: OLIFF PLC** Address Line 1:

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ATTORNEY DOCKET NUMBER:	179865
NAME OF SUBMITTER:	SANDRADEE S. HARRIS
SIGNATURE: /Sandradee S. Harris/for James A. Oliff	
DATE SIGNED:	01/12/2018

PATENT REEL: 044608 FRAME: 0530 504727375

Total Attachments: 2

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PATENT REEL: 044608 FRAME: 0531

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)	David Roberts McMurtry	(2)	Stephen Mark Angood
(1-8)	Legal Name(s)	(3)	Colin Ray Bulled	(4)	David James Fook
	of Inventor(s)	(5)	Marcus James Eales	(6)	Christopher Kemp
		(7)		(8)	
		the un	sideration of the sum of one dollar (s dersigned, the receipt and sufficiency , and hereby does assign, transfer an	y of which are l	r good and valuable consideration paid to each of nereby acknowledged, each undersigned agrees to
(9)	Insert Name of Assignee	(9)	Renishaw plc		
(10) Insert Address of Assignee (10) New Mills, Wotton-under-Edge, Glouces			Gloucestershir	e, GL12 8JR, United Kingdom	
		the en invent contin	tire right, title and interest for the Un ion, and in all applications for patent uation, international, confirmation, s	ited States of A including any ubstitute and re	pirs, successors, assigns and legal representatives, unerica as defined in 35 U.S.C. §100, in the and all provisional, non-provisional, divisional, dissue application(s), and all Letters Patent, may be granted on the invention known as
(11)	Insert Identification such as Title. Case	(11)	COORDINATE POSITIONING	MACHINE	
	Number, or Foreign	(PCT/GB2016/052392)			
Application Number		(Attor	ney Docket No. 179865)
(12)	Alternative Identification for	(12)	U.S. Application Number	15/744,3	26
	filed applications	filed	January 12, 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 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 logal 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: 044608 FRAME: 0532

In witness whereof, executed by the undersigned	on the date(s) opposite the undersigned name(s).
Date 16 August 2017	Inventor Signature David Roberts McMurtry (SEAL)
Date 6th SEPTEMBER 2017	Inventor Signature Stephen Mark Angood (SEAL)
Date 11 September 2017	Inventor Signature Colin Ray Bulled (SEAL)
Date 11th september 7017	Inventor Signature
Date 27th Suptaintie 277	Inventor Signature Marcus James Eales (SEAL)
Date 2nd August 2017	Inventor Signature Christopher Kemp (SEAL)
This assignment should preferably be signed before: (a) a Notar then it should be signed before at least two witnesses who also	ry Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither,
Date 16 August 2017	Witness Mholy Honelessen
Date	Witness
Date 6 Extendes 2017	Witness
Date 6 September 2017	Witness MJ-last.
Date 16 SEPTEMBER 2017	Witness Miss
Date 11 SEPTEMBER 2017.	Witness
Date 16 TEPTEMBER 2017	Witness
Date 11 SEPTEMBER 2017	Witness
Date 27 SEPTEMBER 2017	Witness ACNL
Date 27 September 2007	Witness 5764
Date 2nd August 2017	Witness M.J. Langton.
Date 2nd August 2017	Witness