PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6504372

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GARETH EVAN LYN JONES	11/20/2020
CHRISTOPHER HOLDEN	11/20/2020
DAVID STEVENS	11/20/2020

RECEIVING PARTY DATA

Name:	XEROS LIMITED
Street Address:	UNIT 2, EVOLUTION
Internal Address:	ADVANCED MANUFACTURING PARK, WHITTLE WAY CATCLIFFE
City:	ROTHERHAM, SOUTH YORKSHIRE
State/Country:	UNITED KINGDOM
Postal Code:	S60 5BL

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17258396

CORRESPONDENCE DATA

Fax Number: (617)428-7045

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: (617) 428-0200

Email: patentadmin@clarkelbing.com

Correspondent Name: CLARK & ELBING LLP
Address Line 1: 101 FEDERAL STREET

Address Line 2: 15TH FLOOR

Address Line 4: BOSTON, MASSACHUSETTS 02110

ATTORNEY DOCKET NUMBER: 51047-054001	
NAME OF SUBMITTER:	J. COOPER MCDONALD, PH.D.
SIGNATURE:	/J. Cooper McDonald, Ph.D./
DATE SIGNED:	01/20/2021

Total Attachments: 5

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PATENT 506457600 REEL: 054963 FRAME: 0144

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> PATENT REEL: 054963 FRAME: 0145

P073487-US

ASSIGNMENT

For valuable consideration, we.

Full Name of Assignor	City	State (and Country if not USA)
Gareth Evan Lyn JONES	Bath	United Kingdom
Christopher HOLDEN	Bath	United Kingdom
David STEVENS	Bath	United Kingdom

hereby assign to

Full Name of Assignee	State of Incorporation	Business Address
Xeros Limited	United Kingdom	Unit 2, Evolution
	***	Advanced Manufacturing Park,
		Whittle Way Catcliffe
		Rotherham, South Yorkshire
		United Kingdom, S60 5BL

and to its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title, and interest throughout the world in the inventions and improvements which are subject of one or more applications for United States Patent signed by us, identified as:

Title of Application	Filing Date	Serial Number
APPARATUS AND METHOD FOR	July 12, 2019	PCT/EP2019/068913
TREATING A SUBSTRATE WITH SOLID		
PARTICLES		

and we authorize and request the attomeys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment includes said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our names or in its own name for patents, utility models, design registrations, and like rights of exclusion, and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation, to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements, and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment. This assignment also includes the right to sue for past acts of infringement, whether based on any patents listed herein, patents issuing from applications listed herein, or provisional rights from any patent applications listed herein.

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ATTORNEY DOCKET NO.: 51047-054WO1

Gareth Evan Lyn JONES

Witness:

	20/11/20.
Signature	Date
Christopher HOLDEN	
<u>Witness</u> :	v 3
	24 /1/20
Signature	Date

ATTORNEY DOCKET NO.: 51047-054WO1

Dur	20/11/20
Signature	Date
David STEVENS	
Witness:	
Signature	27 II 20
Printed name	

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RECORDED: 01/20/2021