

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4215618

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
COLIN BROOK	06/15/2016
ALIN RISTEA	07/08/2016
MICHAEL WALSH	06/15/2016
CHRIS GOSLING	06/20/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	XAAR TECHNOLOGY LIMITED
<b>Street Address:</b>	316 SCIENCE PARK, MILTON ROAD
<b>Internal Address:</b>	CAMBRIDGE
<b>City:</b>	CAMBRIDGESHIRE
<b>State/Country:</b>	UNITED KINGDOM
<b>Postal Code:</b>	CB4 OXR
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15395038
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>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.</i>	
<b>Email:</b>	docket@marshallip.com
<b>Correspondent Name:</b>	MARSHALL, GERSTEIN & BORUN LLP
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<b>Address Line 4:</b>	CHICAGO, ILLINOIS 60606
<b>ATTORNEY DOCKET NUMBER:</b>	27754/50713A
<b>NAME OF SUBMITTER:</b>	CHRISTINE HILLS
<b>SIGNATURE:</b>	/Christine Hills/
<b>DATE SIGNED:</b>	01/09/2017
<b>Total Attachments: 4</b>	
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MARSHALL, GERSTEIN & BORUN LLP, 233 S. Wacker Drive, 6300 Willis Tower, Chicago, Illinois 60606-6357

## ASSIGNMENT

Serial No: 15/038,661  
U.S. National Phase of PCT/GB2014/053497

Filed: November 25, 2014

Title: DROPLET DEPOSITION APPARATUS AND METHOD FOR MANUFACTURING THE SAME

For good and valuable consideration, the receipt and sufficiency of which are hereby agreed, each of the undersigned agrees to assign and hereby assigns to XAAR TECHNOLOGY LIMITED, 316 Science Park, Milton Road, Cambridge, CAMBRIDGESHIRE, CB4 0XR, UNITED KINGDOM and its successors and assigns ("Assignee") the entire right, title, and interest in and to the inventions of such undersigned that are disclosed in the application listed above. Also assigned are (i) all rights in any and all other applications anywhere in the world that the undersigned may file and/or be named as an inventor of, solely or jointly, on said inventions, (ii) all rights in any and all patents that may be obtained on any of said applications, and (iii) all rights in any and all reissues, reexaminations, supplemental examinations, inter partes reviews, oppositions, post-grant reviews, supplementary protection certificates, and/or extensions thereof. The rights assigned include without limitation, the right to bring suit, the right to claim and retain all damages and/or seek other remedies for the past, present, and future infringement of any of the foregoing, and the right of priority (including without limitation the right to claim priority benefit of or to said patent applications.) The undersigned request the Commissioner for Patents in the United States and similar authorities outside the United States to issue said patents to and in the name of Assignee.

Each of the undersigned states that the application listed above is or was made or authorized to be made by him or her. Each of the undersigned believes himself or herself to be the original inventor or an original joint inventor of a claimed invention in the application listed above. Each of the undersigned acknowledges that any willful false statement made by him or her in this paragraph is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five years, or both.

Except in favor of Assignee, each of the undersigned warrants that: (i) he or she is the owner of all its rights, title and interests herein assigned and has the right to make this unconditional and irrevocable assignment to Assignee without obtaining any approval or permission of a third party; and (ii) there are no outstanding encumbrances, liens, prior assignments, licenses, or other obligations or restrictions on the rights, title and interests herein assigned.

Upon the request of Assignee and at no expense to the undersigned, each of the undersigned hereby agrees to execute any and all applications on said inventions (including without limitation applications or requests for the reissue, reexamination, or extension of the patent or for a supplementary protection certificate) and any oath, declaration, or affidavit relating thereto that Assignee may deem necessary or expedient, and to cooperate to the best of the ability of the undersigned with Assignee and perform any and all affirmative acts requested by Assignee to prepare, file, prosecute, maintain, defend, enforce, and vest in Assignee the rights, title, and interests assigned herein. These acts include, without limitation, preparing and executing statements and giving and producing evidence in support thereof, whereby said rights, title and interests will be held and enjoyed by Assignee to the full end of the term for which said patents may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Colin Brook

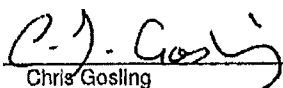
Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Alin Ristea

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Michael Walsh

Date: 20.06.16

Signature:   
Chris Gosling

On behalf of Assignee, Xaar  
Technology Limited

\_\_\_\_\_  
Name


\_\_\_\_\_  
Title

hereby confirms Assignee's acceptance of all rights, privileges, title and interests conveyed by this assignment.

\_\_\_\_\_  
Signature  
XAAR TECHNOLOGY LIMITED

\_\_\_\_\_  
Date

Date: 15/6/16

Signature:   
Colin Brook

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Alin Ristea

Date: 15/06/2016

Signature:   
Michael Walsh

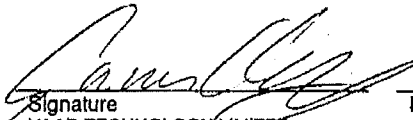
Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Chris Gosling

On behalf of Assignee, Xaar  
Technology Limited

Name Gavin Clarke  
Director of IP & Legal  
Title \_\_\_\_\_


hereby confirms Assignee's acceptance of all rights, privileges, title and interests conveyed by this assignment.

 15/6/16  
Signature Date  
XAAR TECHNOLOGY LIMITED

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Colin Brook

Date: 08-07-16

Signature:   
Alin Ristea

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Michael Walsh

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Chris Gosling

On behalf of Assignee, Xaar  
Technology Limited

\_\_\_\_\_  
Name

\_\_\_\_\_  
Title

hereby confirms Assignee's acceptance of all rights, privileges, title and interests conveyed by this assignment.

\_\_\_\_\_  
Signature  
XAAR TECHNOLOGY LIMITED

\_\_\_\_\_  
Date