03/12/2015 503216391

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BART J. WANDERS	06/18/2014
THOMAS H. ADAMS	02/28/2015
GREGORY A. FARRELL	06/24/2014
WARREN GRONER	07/21/2014
XIAODONG ZHAO	02/25/2014

RECEIVING PARTY DATA

Name:	IRIS INTERNATIONAL, INC.
Street Address:	9172 ETON AVENUE
City:	CHATSWORTH
State/Country:	CALIFORNIA
Postal Code:	91311-5874

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	14216533
PCT Number: US2014030902	

CORRESPONDENCE DATA

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KILPATRICK TOWNSEND & STOCKTON **Correspondent Name:**

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ATTORNEY DOCKET NUMBER:	87904-897392/903061
NAME OF SUBMITTER:	NATHAN S. CASSELL
SIGNATURE:	/Nathan S. Cassell, Reg. No. 42,396/
DATE SIGNED:	03/12/2015

PATENT REEL: 035151 FRAME: 0490 503216391

Total Attachments: 6

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PATENT REEL: 035151 FRAME: 0491

Attorney Docket Nos. 87904-897392 (028500US)/903061 (028500PC) Beckman Coulter Docket Nos. 13US0013-NONP2/13US0013-WO2

ASSIGNMENT (US and PCT Patent Applications)

We, the undersigned, have invented certain inventions and improvements disclosed in utility (provisional or non-provisional) or design patent applications entitled

"FLOWCELL SYSTEMS AND METHODS FOR PARTICLE ANALYSIS IN BLOOD SAMPLES,"

U.S. Serial No. 14/216,533 filed on March 17, 2014, and International Serial No. PCT/US2014/030902 filed on March 17, 2014.

For and in consideration of the payments for our employment including any payments under separate agreements and other valuable consideration, the receipt and sufficiency of which we acknowledge, we:

- Agree to assign, transfer, convey, and sell, hereby assign, transfer, convey, and sell and have assigned, transferred, conveyed, and sold to IRIS international, Inc., a Delaware corporation having a principal place of business at 9172 Eton Avenue, Chatsworth, CA 91311 ("Assignee"), the entire right, title, and interest in and to:
 - (a) all intellectual property (including, without limitation, any innovation, information, invention, discovery, product, process, work or design) disclosed, embodied, shown, or claimed in the above-referenced patent applications, implicitly or explicitly;
 - (b) the above-referenced patent applications, the right to claim priority to the above-referenced patent applications, all applications based in whole or in part upon the above-referenced patent applications, including, without limitation, all applications that are a provisional, non-provisional, design, divisional, continuation, continuation-in-part, registration, utility model, industrial design, reissue, renewal, substitute, extension, reexamination, post-grant review, inter partes review, supplemental examination or non-U.S. patent application or application for other rights based in whole or in part on the above-referenced patent applications;
 - (c) all patents (including, without limitation, all U.S. and non-U.S. patents, registrations, utility models, industrial designs, design patents, counterparts, continuations, continuations-in-part, divisionals, reissues, renewals, substitutes, extensions, reexaminations, post-grant reviews, inter partes reviews and supplemental examinations) that are granted or issued upon, or that claim priority to, any and all applications described in (b) of

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ASSIGNMENT

FLOWCELL SYSTEMS AND METHODS FOR PARTICLE ANALYSIS IN BLOOD SAMPLES

Attorney Docket Nos. 87904-897392 (028500US)/903061 (028500PC) Beckman Coulter Docket Nos. 13US0013-NONP2/13US0013-WO2 Page 2 of 3

this paragraph or that disclose or claim intellectual property described in (a) of this paragraph, in whole or in part; and

- (d) all claims for damages by reason of past infringement of any rights under the applications or patents described in (a), (b) or (c) of this paragraph (including provisional rights to reasonable royalties pursuant to 35 U.S.C. §154(d)) and the right to sue for and collect such damages and royalties for Assignee's own use.
- Authorize and request the U.S. Patent and Trademark Office or any other U.S. or non-U.S. agency to issue to the Assignee any and all patent(s), or other rights or documents, resulting from the intellectual property, patent application(s) and patents described in paragraph 1 of this Assignment.
- 3. Agree to sign all papers and documents, including without limitation, applications, declarations, oaths and petitions, and, at the Assignee's expense, perform any other acts that are necessary in connection with prosecution of patent application(s) or intellectual property described in paragraph 1 of this Assignment and the enforcement of patent(s) or other rights resulting from such patent application(s) or intellectual property.
- 4. Agree that the terms, covenants, and conditions of this Assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon us, as well as our heirs, legal representatives, and assigns.
- 5. Promise and affirm that we have not entered, and will not enter, into any assignment, contract, or understanding that conflicts with this Assignment.

Signed on the dates indicated beside our signatures.

Signature:	Bart J. Wanders	Date:	6/18/14
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ASSIGNMENT

FLOWCELL SYSTEMS AND METHODS FOR PARTICLE ANALYSIS IN BLOOD SAMPLES

Attorney Docket Nos. 87904-897392 (028500US)/903061 (028500PC)

Beckman Coulter Docket Nos. 13US0013-NONP2/13US0013-WO2

Xiaodong Zhao

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Signature:	Them It Aclen	Date: 7.78.19
	Thomas H. Adams	
Signature:		Date;
	Gregory A. Farrell	
Signature:		Date:
	Warren Groner	
Signature:		Date:

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ASSIGNMENT FLOWCELL SYSTEMS AND METHODS FOR PARTICLE ANALYSIS IN BLOOD SAMPLES

Attorney Docket Nos. 87904-897392 (028500US)/903061 (028500PC) Beckman Coulter Docket Nos. 13US0013-NONP2/13US0013-WO2 Page 3 of 3

Signature:	No. of the contract of the con	Date:
	Thomas H. Adams	
Signature:	Gregory A. Farrell	Date: <u>6/24/2018</u>
Signature:	Warren Groner	Date:
Signature:	Xiaodong Zhao	Date:

ASSIGNMENT FLOWCELL SYSTEMS AND METHODS FOR PARTICLE ANALYSIS IN BLOOD SAMPLES

Attorney Docket Nos. 87904-897392 (028500US)/903061 (028500PC) Beckman Coulter Docket Nos. 13US0013-NONP2/13US0013-WO2 Page 3 of 3

Xiaodong Zhao

Signature:		Date:
	Thomas H. Adams	
Signature:	Greg Farrell	Date:
Signature:	Warren Groner	Date: 7/21/2019
Signature:		Date:

ASSIGNMENT FLOWCELL SYSTEMS AND METHODS FOR PARTICLE ANALYSIS IN BLOOD SAMPLES

Attorney Docket Nos. 87904-897392 (028500US)/903061 (028500PC) Beckman Coulter Docket Nos. 13US0013-NONP2/13US0013-WO2 Page 3 of 3

Signature:	MARKING CONTROL CONTRO	Date:
	Thomas H. Adams	
Signature:	Gregory A. Farrell	Date:
Śignature:	Warren Groner	Date:
Signature:	Xiaodong Zhao	Date: 3-25-2014

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PATENT REEL: 035151 FRAME: 0497