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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HIROYUKI ONISHI	05/30/2014
MASATO KAYAHARA	05/30/2014
HIROSHI SUZUKI	06/02/2014
RYUSUKE FURUYA	05/30/2014
NAOKI MUKAIYAMA	06/02/2014
MICHAEL COONEY	06/03/2014
MARCUS O'NEILL	06/03/2014
SEAN O'MAHONY	06/03/2014

RECEIVING PARTY DATA

Name:	BECKMAN COULTER, INC.	
Street Address:	250 S. KRAEMER BOULEVARD	
City:	BREA	
State/Country:	CALIFORNIA	
Postal Code:	92821	

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	29547317
Application Number:	29547318

CORRESPONDENCE DATA

Fax Number: (949)253-0902

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: 949-253-0900

Email: stephanie.new@klgates.com

Correspondent Name: **K&L GATES LLP**

Address Line 1: 1 PARK PLAZA, 12TH FLOOR Address Line 4: IRVINE, CALIFORNIA 92614

ATTORNEY DOCKET NUMBER:	1958541.00093
NAME OF SUBMITTER:	STEPHANIE NEW

PATENT REEL: 040536 FRAME: 0441 504125174

SIGNATURE:	/Stephanie New/
DATE SIGNED:	12/06/2016
Total Attachments: 3	
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PATENT REEL: 040536 FRAME: 0442

Docket No. 12US0039US

ASSIGNMENT

For and in consideration of the payments for the employment of each of the Undersigned Inventors including any payments under separate agreements and other valuable consideration, the receipt and sufficiency of which is hereby acknowledged, each of the Undersigned Inventors:

Hiroyuki ONISHI of Higashino 454-32, Nagaizumi-cho, Sunto-gun, Shizuoka 411-0931 Japan (JP) Masato KAYAHARA of Higashino 454-32, Nagaizumi-cho, Sunto-gun, Shizuoka 411-0931 Japan (JP) Hiroshi SUZUKI of Higashino 454-32, Nagaizumi-cho, Sunto-gun, Shizuoka 411-0931 Japan (JP) Ryusuke FURUYA of Higashino 454-32, Nagaizumi-cho, Sunto-gun, Shizuoka 411-0931 Japan (JP) Naoki MUKAIYAMA of Higashino 454-32, Nagaizumi-cho, Sunto-gun, Shizuoka 411-0931 Japan (JP) Michael COONEY of Lismeehan, O'Callaghan's Mills, County Clare, Ireland (IE) Marcus O'NEILL of Lismeehan, O'Callaghan's Mills, County Clare, Ireland (IE) Sean O'MAHONY of Lismeehan, O'Callaghan's Mills, County Clare, Ireland (IE)

hereby sells and assigns to Beckman Coulter, Inc. (the Assignee), having a place of business at 250 S. Kraemer Boulevard, Brea, California 92821 U.S.A. (US), his or her entire right, title and interest for the United States of America (as defined in 35 U.S.C. § 100) and throughout the World in all invention(s) described or claimed in:

United States Patent Application	29/491,994 filed May 27, 2014
United States Patent Application _	filed
PCT Application	filed
and in any and all applications thereon conce	ning:

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including all rights under the Paris Convention for the Protection of Industrial Property, and in any and all Letters Patents(s), Design Patents or Utility Model Patents (hereinafter 'Patents') therefor, and in any and all reissues, extensions, renewals, reexaminations of such applications or Patent(s) and divisional, continuation and continuations-in-part applications thereof, to the full end of the term or terms for which such Patent(s) issue, including all claims, if any, that may have arisen for infringement prior to the date of this Assignment, not only for, to, and in the United States of America, its territories and possessions, but for, to and in all other countries; and it has been and is hereby authorized and requested that the appropriate government agencies issue said Patents to Beckman Coulter, Inc., in accordance with this Assignment.

Each Undersigned Inventor agrees to reasonably cooperate with Beckman Coulter, Inc., to enable Beckman Coulter, Inc. to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by each Undersigned Inventor includes prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by Beckman Coulter, Inc., (a) for perfecting the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting applications for reissuance of any of said patents; (d) for interference or other priority proceedings involving said invention; and (e) for legal proceedings involving said invention and any applications therefor and any patents granted thereon,

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including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that reasonable expenses incurred by each Undersigned Inventor in providing such cooperation shall be paid for by Beckman Coulter, Inc.

The terms and covenants of this assignment shall inure to the benefit of said Beckman Coulter, Inc., its successors, assigns and other legal representatives, and shall be binding upon each Undersigned Inventor, their respective heirs, legal representatives and assigns.

Each such Undersigned Inventor hereby represents that he or she has full right to convey the entire interest herein assigned, and that he or she has not executed, and will not execute, any agreement in conflict therewith.

Each such Undersigned Inventor hereby grants the practitioners associated with CUSTOMER NUMBER 22471 the power to insert in 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.

Each such Undersigned Inventor declares under penalty of perjury under the laws of the United States of America that the foregoing is true and correct.

IN WITNESS WHEREOF, this Assignment is executed by each such Undersigned Inventor on the date opposite his or her name.

Name of Hiroyuki ONISHI of Higashino 454-3: Shizuoka 411-0931 Japan (JP)	2, Nagaizumi-cho, Sunto-gun,
Signature of Hirouki ONISHI	Date: MAY, 30, 2014
Name of Masato KAYAHARA of Higashino 45 Shizuoka 411-0931 Japan (JP) In a Sa to Mayahara Signature of Masato KAYAHARA	•
Name of Hiroshi SUZUKI of Higashino 454-32. Shizuoka 411-0931 Japan (JP) Signature of Hiroshi SUZUKI	, Nagaizumi-cho, Sunto-gun, Date: フィルモ 02 2019

Name of Ryusuke FURUYA of Higashino 454-32, Nagaizumi-cho, Sunto-gun, Shizuoka 411-0931 Japan (JP)		
Signature of Ryusuke PURUVA Date: Hay -30-2019		
Name of Naoki MUKAIYAMA of Higashino 454-32, Nagaizumi-cho, Sunto-gun, Shizuoka 411-0931 Japan (JP)		
Date: June, 2, 20/4 Signature of Naoki MUKAIYAMA		
Name of Michael COONEY of Lismeehan, O'Callaghan's Mills, County Clare, Ireland (IE) Date: 7 Jan. 2014 Signature of Michael COONEY		
Name of Marcus O'NEILL of Lismeehan, O'Callaghan's Mills, County Clare, Ireland (IE)		
Signature of Marcus O'NEILL Date: 3 10/4		
Name of Sean O'MAHONY of Lismechan, O'Callaghan's Mills, County Clare, Ireland (IE)		
Signature of Sean O'MANONY Date: 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		