

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TADASHI HAGA	09/24/2020
TOMOHIKO TAKEUCHI	09/24/2020
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<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	92821-6232
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17246222
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<b>Address Line 4:</b>	CHICAGO, ILLINOIS 60661
<b>ATTORNEY DOCKET NUMBER:</b>	64887US03 (14US0066-US01)
<b>NAME OF SUBMITTER:</b>	JENNA T. FORTINI
<b>SIGNATURE:</b>	/Jenna T. Fortini/
<b>DATE SIGNED:</b>	06/14/2021
<b>Total Attachments: 5</b>	
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## ASSIGNMENT

Ref No.	64887US01/14US0066-PRO	Serial No.	62/357096
	64887WO01/14US0066-WO		PCT/US2017/040444
	64887CN01/14US0066-CN		201780047867.4
	64887EP01/14US0066-EP		17745547.4
	64887JP01/14US0066-JP		2018-568738
	64887US02/14US0066-US		16/313581

Inventors: Tadashi HAGA  
Tomohiko TAKEUCHI

NOW, THEREFORE, in exchange for good and valuable considerations in hand paid, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assigns to BECKMAN COULTER, INC., 250 South Kraemer Boulevard, Brea, CA 92821-6232 its successors and assigns, 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 the list of patent applications provided in **EXHIBIT A** attached hereto, and in any and all applications thereon concerning, both United States and foreign based thereon that claim priority thereto, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any continuation, continuation-in-part, divisional, reexamination, renewal, substitutions, reissue or extension of such applications or patents, and further assigns to said assignee the priority right provided by the International Convention, treaties or otherwise.

The undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks or equivalent foreign entity to issue said Letters Patent to said assignee.

The undersigned hereby authorizes and requests the attorneys of record in said application to insert in this Assignment the filing date and serial number of said application when officially known.

The undersigned warrants to be the owner of the entire right, title and interest in said invention or improvements and to have the right to make this Assignment, and further warrant that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

For said considerations, the undersigned hereby agrees, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all continuation, continuation-in-part, divisional, extension, renewal, and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue, reexamination or extension of any Letters Patent that may be granted upon said application, and any and all applications and other document for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors

or assigns may deem necessary or expedient, and for the said considerations the undersigned authorizes said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agrees, upon the request of said assignee, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will 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.

The assignee also has the right to enforce patent rights to such Patents as fully and entirely as the same would have been held and enjoyed by the Assignor if this Assignment had not been made; together with all claims by Assignor for damages by reason of past infringement or for provisional rights and including the right to sue for, and collect the same for its own use and benefit, and for the use and benefit of its successors, assigns, and other legal representatives.

If an inventor is deceased, under legal incapacity, is under an obligation to assign their rights to Beckman Coulter, Inc. and refuses or cannot be found or reached after diligent effort, a legal representative of Beckman Coulter, Inc. may execute this assignment on behalf of the inventor.

This Assignment may be executed in one or more counterparts, all of which shall be considered one and the same Assignment. The signatures from each counterpart may be combined with a copy of the Assignment to constitute the entire Assignment.

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

Tadashi Haga

Date: 9/24/2020

Tadashi HAGA -ENGLISH

田端 忠志

Tadashi HAGA -KANJI

Tomohiko Takeuchi

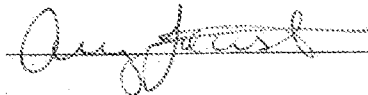
Date: 9/24/2020

Tomohiko TAKEUCHI -ENGLISH

知彦 44 内

Tomohiko TAKEUCHI -KANJI

IN WITNESS WHEREOF, each such Assignee executes this Assignment on the date opposite  
its name.



NAME AND TITLE-ENGLISH

Date: September 25, 2020

Amy Foust,  
Senior Patent Counsel

**EXHIBIT A**

Country	Type	Application Number	Filing Date
USA	Provisional	62/357096	06/30/2016
International Application	Patent Cooperation Treaty	PCT/US2017/040444	06/30/2017
China	National Stage	201780047867.4	06/30/2017*
Europe	National Stage	17745547.4	06/30/2017*
Japan	National Stage	2018-568738	06/30/2017*
USA	National Stage	16/313581	06/30/2017*

\*International  
filing date