

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5915924

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	SHAOHONG WANG	11/02/2019
RECEIVING PARTY DATA		
Name:	LIFE TECHNOLOGIES CORPORATION	
Street Address:	5823 NEWTON DRIVE	
City:	CARLSBAD	
State/Country:	CALIFORNIA	
Postal Code:	92008	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	16488328
CORRESPONDENCE DATA		
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<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>		
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Address Line 1:	5823 NEWTON DRIVE	
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ATTORNEY DOCKET NUMBER:	LT01213US	
NAME OF SUBMITTER:	CHERI GOMEZ	
SIGNATURE:	/Cheri Gomez/	
DATE SIGNED:	01/16/2020	
Total Attachments: 4		
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ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged, I/we (the "Assignor(s)"):

1. Shaohong WANG, a citizen of **US**; having a mailing address of
Life Technologies Corporation, 5823 Newton Drive, Carlsbad, CA 92008;

and a resident of **Pleasanton, CA**.

do hereby:

SELL, ASSIGN, AND TRANSFER to **LIFE TECHNOLOGIES CORPORATION**, (the "Assignee", a corporation of the State of Delaware) having a place of business at 5823 Newton Drive, Carlsbad, California 92008, USA, the entire right, title, and interest for the United States and all foreign countries in and to

(1) any and all inventions, improvements, know-how, and other subject matter described, disclosed, or contained (whether claimed or not) in (a) United States Non-provisional Patent Application Serial No. **16/488,328**, filed on **February 23, 2018** entitled *OPTICAL SYSTEMS AND METHODS FOR SAMPLE SEPARATION*, (b) all non-provisional, utility, divisional, continuing, design, utility model, substitute, renewal, reissue, reexamination, or extension, and all other applications for patent which have been or shall be filed in the United States and all international applications and/or applications in foreign countries that claim priority to or through, any of the foregoing applications; and (c) all original, reissued and reexamined patents and substitutions or extensions thereof which have been or shall be issued in the United States or any foreign country on or resulting from any of the applications referenced in (a) or (b);

(2) any and all inventions, improvements, know-how, and other subject matter described, disclosed, or contained (whether claimed or not) in any of the foregoing applications and patents;

(3) the right to file foreign applications under the provisions of any convention or treaty and claim priority based on any of the foregoing applications in the United States or any other country;

(4) the copyright in any and all material described, disclosed, or contained in the foregoing applications and patents; and

(5) the rights of priority to the extent (if any) that any of the foregoing applications generates a right of priority.

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned; and

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will (1) execute any and all papers and documents (including without limitation oaths, declarations, assignments, and powers of attorney) and perform any and all acts reasonably necessary in connection with the filing, prosecution, and issuance of each of the patent applications and patents referenced herein; (2) communicate to the Assignee all facts known to the undersigned relating to each of the patent applications, patents, and improvements referenced herein, and the history thereof; and (3) generally do everything possible that the Assignee shall reasonably consider desirable to vest title in Assignee in and to each of the patent applications, patents, and improvements referenced herein and for securing, maintaining, and enforcing proper patent protections for inventions, improvements, know-how, and other subject matter referenced herein.

THE ASSIGNOR(S) HEREBY AUTHORIZE AND REQUEST the Assignee's agents associated with customer number 52059 to insert above the filing date and application number of said application when known.

THE ASSIGNOR(S) AGREE THAT THIS ASSIGNMENT IS TO BE BINDING on the heirs, assigns, representatives, and successors of the undersigned and extend to the successors, assigns, and nominees of the Assignee.

SEVERABILITY. If a provision of this Assignment is or becomes illegal, invalid, or unenforceable in any jurisdiction, that shall not affect (a) the validity or enforceability in that jurisdiction of any other provision of this Assignment, or (b) the validity or enforceability in other jurisdictions of that or any other provision of this Assignment.

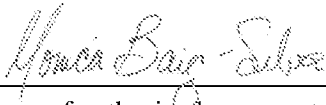
FOR THE ASSIGNOR(S):

Signature: 
Name (1) Shaohong WANG

Date: 11/2/2019

FOR THE ASSIGNEE:

As an authorized representative of the Assignee, I hereby accept the assignment on behalf of the Assignee according to the terms set forth above.



Signature of authorized representative
Monica S. Baig-Silva
Division IP Counsel

November 6, 2019

Date