

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4133185

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
LIM HI TAN	08/03/2015
HON SIU SHIN	09/24/2016
YANG HOOI KEE	07/31/2015
HOCK LAI KHOO	09/03/2015
MARK T REED	07/27/2015
WOLFGANG HEIMBERG	07/23/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	APPLIED BIOSYSTEMS, LLC
<b>Street Address:</b>	5823 NEWTON DRIVE
<b>City:</b>	CARLSBAD
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	92008
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14206007
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(760)476-6048
<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>Phone:</b>	760-603-7200
<b>Email:</b>	Lifetechdocket@system.foundationip.com
<b>Correspondent Name:</b>	LIFE TECHNOLOGIES CORPORATION
<b>Address Line 1:</b>	5823 NEWTON DRIVE
<b>Address Line 4:</b>	CARLSBAD, CALIFORNIA 92008
<b>ATTORNEY DOCKET NUMBER:</b>	5800-I2 C1 US
<b>NAME OF SUBMITTER:</b>	CHERI GOMEZ
<b>SIGNATURE:</b>	/Cheri Gomez/
<b>DATE SIGNED:</b>	11/08/2016
<b>Total Attachments: 8</b>	

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ASSIGNMENT

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

1. Lim Hi TAN, a citizen of SG; having a mailing address of  
Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, California 92008;  
and a resident of Singapore.
2. Jew Kwee NGUI, a citizen of SG; having a mailing address of  
Blk 287A, Jurong East Street 21, #03-352, Singapore, 601287;  
and a resident of Singapore.
3. Hon Siu SHIN, a citizen of SG; having a mailing address of  
23, Tampines Street 34, #03-11, Singapore 529233;  
and a resident of Singapore.
4. Ui Leng SOH, a citizen of SG; having a mailing address of  
26 Bayshore Road, #05-07, Singapore;  
and a resident of Singapore.
5. Yang Hooi KEE, a citizen of MY; having a mailing address of  
Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, California 92008;  
and a resident of Singapore.
6. Hock Lai KHOO, a citizen of SG; having a mailing address of  
Blk 24, Chai Chee Road, #09-586, Singapore 460024;  
and a resident of Singapore.
7. Mark T. REED, a citizen of US; having a mailing address of  
Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, California 92008;  
and a resident of Menlo Park, CA.

8. Wolfgang HEIMBERG, a citizen of DE; having a mailing address of  
Bohmerwaldstr. 72, Ebersberg, Germany 85560;  
-----  
and a resident of Ebersberg, Germany.

do hereby SELL, ASSIGN, AND TRANSFER to **APPLIED BIOSYSTEMS LLC**, (the "Assignee", a limited liability company of the State of Delaware) having a place of business at 5791 Van Allen Way, 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. 14/206,007, filed on March 12, 2014 entitled Device for Carrying Out Chemical or Biological Reactions, (b) all divisional, continuing, design, utility model, substitute, renewal, reissue, reexamination, and all other applications for patent which have been or shall be filed in the United States and all foreign countries that claim priority to or through, any of the foregoing applications; and (c) all original, reissued and reexamined patents 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; and

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

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.

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.

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.

Signature:   
Name (1) Lim Hi TAN

Date: 3RD August 2015

Signature: \_\_\_\_\_  
Name (2) Jew Kwee NGUI

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

Signature: \_\_\_\_\_  
Name (3) Hon Siu SHIN

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

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.

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.

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Signature: \_\_\_\_\_  
Name (1) Lim Hi TAN

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

Signature: \_\_\_\_\_  
Name (2) Jew Kwee NGUI

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


Signature:  \_\_\_\_\_  
Name (3) Hon Siu SHIN

Date: 24 Sept 2016

Docket No. 5800-12 C1 US  
Customer No. 52059

Signature: \_\_\_\_\_  
Name (4) Ui Leng SOH

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

Signature:  \_\_\_\_\_  
Name (5) Yang Hooi KEE

Date: 31 July 2015

Signature: \_\_\_\_\_  
Name (6) Hock Lai KHOO

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

Signature: \_\_\_\_\_  
Name (7) Mark T. REED

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

Signature: \_\_\_\_\_  
Name (8) Wolfgang HEIMBERG

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


Docket No. 5800-12 C1 US  
Customer No. 52059

Signature: \_\_\_\_\_  
Name (4) Ui Leng SOH

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

Signature: \_\_\_\_\_  
Name (5) Yang Hooi KEE

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

Signature:  \_\_\_\_\_  
Name (6) Hock Lai KHOO

Date: 03/09/2015

Signature: \_\_\_\_\_  
Name (7) Mark T. REED

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

Signature: \_\_\_\_\_  
Name (8) Wolfgang HEIMBERG

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



Signature: \_\_\_\_\_  
Name (4) Ui Leng SOH

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

Signature: \_\_\_\_\_  
Name (5) Yang Hooi KEE

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

Signature: \_\_\_\_\_  
Name (6) Hock Lai KHOO

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

Signature: /Mark T Reed/  
Name (7) Mark T. REED

Date: 7/27/15

Signature: \_\_\_\_\_  
Name (8) Wolfgang HEIMBERG

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

Docket No. 5800-12 C1 US  
Customer No. 52059

Signature: \_\_\_\_\_  
Name (4) Ui Leng SOH

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

Signature: \_\_\_\_\_  
Name (5) Yang Hooi KEE


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

Signature: \_\_\_\_\_  
Name (6) Hock Lai KHOO

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

Signature: \_\_\_\_\_  
Name (7) Mark T. REED

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

Signature:  \_\_\_\_\_  
Name (8) Wolfgang HEIMBERG

Date: 7-23-2015