

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JONATHAN ROTHBERG	09/13/2011
JAMES BUSTILLO	06/09/2011
MARK MILGREW	06/09/2011
JONATHAN SCHULTZ	06/16/2011
DAVID MARRAN	06/13/2011
TODD REARICK	06/16/2011
KIM JOHNSON	06/21/2011
RECEIVING PARTY DATA	
Name:	LIFE TECHNOLOGIES CORPORATION
Street Address:	5791 VAN ALLEN WAY
City:	CARLSBAD
State/Country:	CALIFORNIA
Postal Code:	92008
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14862930
CORRESPONDENCE DATA	
Fax Number:	(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>	
Phone:	760-603-7200
Email:	lifetechdocket@system.foundationip.com
Correspondent Name:	GENJA WILLIAMS
Address Line 1:	5791 VAN ALLEN WAY
Address Line 4:	CARLSBAD, CALIFORNIA 92008
ATTORNEY DOCKET NUMBER:	LT00326.26 CON 2
NAME OF SUBMITTER:	MARY K. CHACON
SIGNATURE:	/Mary K. Chacon/
DATE SIGNED:	09/23/2015

Total Attachments: 9

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ASSIGNMENT

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

- 1 Jonathan ROTHBERG, residing at 215 Uncas Point Road, Guilford, CT 06437 United States of America, citizen of US; and
- 2 James BUSTILLO, residing at 18396 Magee Way, Castro Valley, CA 94546 United States of America, citizen of US; and
- 3 Mark MILGREW, residing at 71 Florence Road, Unit 2C, Branford, CT 06405 United States of America, citizen of GB; and
- 4 Jonathan SCHULTZ, residing at 7 Jasmine Road, Oxford, MA 01540 United States of America, citizen of US; and
- 5 David MARRAN, residing at 55 Clark Road, Durham, CT 06422 United States of America, citizen of US; and
- 6 Todd REARICK, residing at 5 Wyndemere Court, Cheshire, CT 06410 United States of America, citizen of US; and
- 7 Kim JOHNSON, residing at 1847 Lotus Court, Carlsbad, CA 92011 United States of America, citizen of US;

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 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 any and

all improvements which are disclosed in United States Provisional Patent Application, Serial No. 61/196,953, filed October 22, 2008 entitled METHOD AND APPARATUS FOR RAPID NUCLEIC ACID SEQUENCING; United States Provisional Patent Application, Serial No. 61/198,222, filed November 4, 2008 entitled METHODS AND APPARATUS FOR MEASURING ANALYTES USING LARGE SCALE FET ARRAYS; United States Provisional Patent Application, Serial No. 61/205,626, filed January 22, 2009 entitled METHOD AND APPARATUS FOR RAPID NUCLEIC ACID SEQUENCING; International Patent Application No. PCT/US2009/005745, filed on October 22, 2009 entitled INTEGRATED SENSOR ARRAYS FOR BIOLOGICAL AND CHEMICAL ANALYSIS; United States Non-provisional Patent Application, Serial No. 12/474,897, filed on May 29, 2009 entitled METHOD AND APPARATUS FOR RAPID NUCLEIC ACID SEQUENCING; United States Non-provisional Patent Application, Serial No. 12/475,311, filed on May 29, 2009 entitled METHODS AND APPARATUS FOR MEASURING ANALYTES; and in United States Non-provisional Patent Application, Serial No. 13/125,133, filed on October 22, 2009 entitled INTEGRATED SENSOR ARRAYS FOR BIOLOGICAL AND CHEMICAL ANALYSIS, and such applications and all divisional, continuing, substitute, renewal, reissue, and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

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

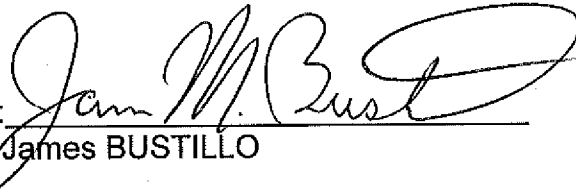
WARRANT AND COVENANT that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned; and

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 execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney, and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible for which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining, and enforcing proper patent protection for such improvements.

TO BE BINDING on the heirs, assigns, representatives, and successors of the undersigned and extend to the successors, assigns, and nominees of the Assignee.

Signature: _____
Name (1) Jonathan ROTHBERG

Date: _____

Signature: 
Name (2) James BUSTILLO

Date: 6-09-11

Signature: _____
Name (3) Mark MILGREW

Date: _____

Signature: _____
Name (4) Jonathan SCHULTZ

Date: _____

Signature: _____
Name (5) David MARRAN

Date: _____

Signature: _____
Name (6) Todd REARICK

Date: _____

Signature: _____
Name (7) Kim JOHNSON

Date: _____

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Signature: 
Name (1) Jonathan ROTHBERG

Date: 0/13/2011

Signature: _____
Name (2) James BUSTILLO

Date: _____

Signature: M. Milgrew
Name (3) Mark MILGREW

Date: 09-JUN-2011

Signature: 
Name (4) Jonathan SCHULTZ

Date: 6/16/2011

Signature: 
Name (5) David MARRAN

Date: 6/13/11

Signature: 
Name (6) Todd REARICK

Date: 6/16/11

Signature: _____
Name (7) Kim JOHNSON

Date: _____

Docket No. LT00326 US
Customer No. 52059

Signature: _____
Name (5) David MARRAN

Date: _____

Signature: _____
Name (6) Todd REARICK

Date: _____

Signature: Kim Johnson
Name (7) Kim JOHNSON

Date: 6-21-2011