

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
KEITH FIFE	07/27/2011
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:	14179453
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:	LT00349.1 DIV
NAME OF SUBMITTER:	MARY K. CHACON
SIGNATURE:	/Mary K. Chacon/
DATE SIGNED:	01/26/2016
Total Attachments: 2	
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ASSIGNMENT

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

- 1 Keith FIFE, residing at 635 Matadero Ave., Palo Alto, CA 94306 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 Non-provisional Patent Application, Serial No. 13/173,793, filed on June 30, 2011; and in International Patent Application No. PCT/US11/42665 , filed on June 30, 2011 entitled CHEMICALLY SENSITIVE SENSOR WITH LIGHTLY DOPED DRAINS, 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: Keith Fife
Name (1) Keith FIFE

Date: 7/27/2011