

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4056997

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CHRISTOPHER TRINH	10/04/2011
TOM XU	10/04/2011
YATING SHI	10/04/2011
FERRIER LE	10/04/2011
CLAIRE MARJORIBANKS	05/31/2012
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:	15198689
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:	frances.winkler@thermofisher.com
Correspondent Name:	FRANCES WINKLER
Address Line 1:	5823 NEWTON DRIVE
Address Line 4:	CARLSBAD, CALIFORNIA 92008
ATTORNEY DOCKET NUMBER:	LT00226 DIV
NAME OF SUBMITTER:	FRANCES WINKLER
SIGNATURE:	/Frances Winkler/
DATE SIGNED:	09/19/2016
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 6	

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ASSIGNMENT

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

- 1 Christopher TRINH, residing at 1141 Pusateri Way, San Jose, CA 95121
United States of America, citizen of US; and
- 2 Tom XU, residing at 21010 Sherman Drive, Castro Valley, CA 94552
United States of America, citizen of US; and
- 3 Yating SHI, residing at 15199 Ranger Road, San Leandro, CA 94579
United States of America, citizen of US; and
- 4 Ferrier LE, residing at 4927 Scarlett Way, San Jose, CA 95111
United States of America, citizen of US; and
- 5 Claire MARJORIBANKS, residing at P.O. Box 110872, Campbell, CA 95011
United States of America, citizen of US; and

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. 61/357,031 filed June 21, 2010; International Patent Application Serial No. PCT/US/1141275 filed on June 21, 2011; and in United States non-provisional Patent Application Serial No. 13/165,571 filed on June 21, 2011 entitled **Compositions, Kits and Methods for Synthesis and/or Detection of Nucleic Acids**, 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:  Date: 10/4/2011
Name (1) Christopher TRINH

Signature:  Date: 10/4/2011
Name (2) Tom XU

Signature:  Date: 10/4/2011
Name (3) Yating SHI

Signature:  Date: 10/4/2011
Name (4) Ferner LE

Signature: _____ Date: _____
Name (5) Claire MARJORIBANKS

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Date: _____

Signature: _____
Name (2) Tom XU

Date: _____

Signature: _____
Name (3) Yating SHI

Date: _____

Signature: _____
Name (4) Ferrier LE

Date: _____

Signature: *Cm Marjoribanks*
Name (5) Claire MARJORIBANKS

Date: 05/31/2012