

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4254727

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JUO ROUH-RONG	09/02/2011
EDWARDS BROOKS	12/23/2010
GEE MELISSA	09/30/2011
WANG ZHIXIAN	10/19/2011
SKAARE KATHLEEN	11/01/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	LIFE TECHNOLOGIES CORPORATION
<b>Street Address:</b>	5791 VAN ALLEN WAY
<b>City:</b>	CARLSBAD
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	92008
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15345098
<b>Patent Number:</b>	9518285
<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>	7606037200
<b>Email:</b>	frances.winkler@thermofisher.com
<b>Correspondent Name:</b>	LIFE TECHNOLOGIES CORPORATION ATTN: IP
<b>Address Line 1:</b>	5823 NEWTON DRIVE
<b>Address Line 4:</b>	CARLSBAD, CALIFORNIA 92008
<b>ATTORNEY DOCKET NUMBER:</b>	LT00010CON & LT00010USDIV
<b>NAME OF SUBMITTER:</b>	FRANCES WINKLER
<b>SIGNATURE:</b>	/Frances Winkler/
<b>DATE SIGNED:</b>	02/01/2017
<b>Total Attachments: 15</b>	

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**ASSIGNMENT**

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

- 1 Rouh-Rong Juo, residing at 19 Hopedale Street, Allston, MA 02134 United States of America, citizen of US; and
- 2 Brooks Edwards, residing at 269 Huron Avenue, #6, Cambridge, MA 02138 United States of America, citizen of US; and
- 3 Melissa GEE, residing at 15 Nagog Hill Road, Littleton, MA 01460 United States of America, citizen of US; and
- 4 Zhixian WANG, residing at 36 Hemingway Street, Winchester, MA 01890 United States of America, citizen of US; and
- 5 Kathleen Skaare, residing at 70 Dalby Street, Newton, MA 02458 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. 61/156836, filed Mar 2, 2009; International Patent Application No. PCT/US10/25791, filed on Mar 1, 2010; and in United States Non-provisional Patent Application, Serial No. 13/254,154, filed on August 31, 2011 entitled CHEMILUMINESCENT COMPOSITIONS, METHODS, ASSAYS AND KITS FOR OXIDATIVE ENZYMES, 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: Rouh-Rong Juo  
Name (1) Rouh-Rong Juo

Date: Sept. 02, 2011

Signature: \_\_\_\_\_  
Name (2) Brooks Edwards

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

Docket No. LT00010 US  
Customer No. 52059

Signature: \_\_\_\_\_  
Name (3) Melissa GEE

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

Signature: \_\_\_\_\_  
Name (4) Zhixian WANG

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

Signature: \_\_\_\_\_  
Name (5) Kathleen Skaare

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

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**Zhixian WANG**, residing at 36 Hemingway Street, Winchester, MA 01890 United States of America, citizen of US; and

**Kathleen Skaare**, residing at 70 Darby Street, Newton, MA 02458 United States of America, citizen of US; and

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Signature: \_\_\_\_\_  
Name (1) Rouh-Rong Juo

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

Signature: Brooks Edwards  
Name (2) Brooks Edwards

Date: 12/23/10

Signature: \_\_\_\_\_  
Name (3) Melissa GEE

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

Signature: \_\_\_\_\_  
Name (4) Zhixian WANG

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

Signature: \_\_\_\_\_  
Name (5) Kathleen Skaare

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



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

Docket No. LT00010 US

Customer No. 52059

Signature: \_\_\_\_\_

Name (3) Melissa GEE

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

Sept 30, 2011

Signature: \_\_\_\_\_

Name (4) Zhixian WANG

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

Signature: \_\_\_\_\_

Name (5) Kathleen Skaare

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

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Signature: \_\_\_\_\_  
Name (1) Rouh-Rong Juo

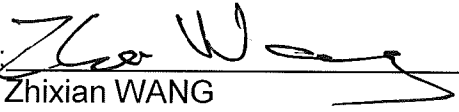
Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
Name (2) Brooks Edwards

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

Signature: \_\_\_\_\_  
Name (3) Melissa GEE

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

Signature:  \_\_\_\_\_  
Name (4) Zhixian WANG

Date: 10/19/2011

Signature: \_\_\_\_\_  
Name (5) Kathleen Skaare

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

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

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Name (2) Brooks Edwards

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



Signature: \_\_\_\_\_  
Name (3) Melissa GEE

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

Signature: \_\_\_\_\_  
Name (4) Zhixian WANG

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

Signature:  \_\_\_\_\_  
Name (5) Kathleen Skaare

Date: Nov. 1, 2011.