

<b>PATENT ASSIGNMENT COVER SHEET</b>
--------------------------------------

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3763214

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ADAM BROOMER	06/22/2011
KELLY LI	09/07/2011
ANDREAS R TOBLER	06/27/2011
CAIFU CHEN	06/22/2011
DAVID N KEYS JR	06/21/2011
<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: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15057443
<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>	LifetechDocket@system.foundationip.com
<b>Correspondent Name:</b>	LIFE TECHNOLOGIES CORPORATION
<b>Address Line 1:</b>	5791 VAN ALLEN WAY
<b>Address Line 2:</b>	LEGAL DEPARTMENT, INTELLECTUAL PROPERTY
<b>Address Line 4:</b>	CARLSBAD, CALIFORNIA 92008
<b>ATTORNEY DOCKET NUMBER:</b>	LT00202 DIV
<b>NAME OF SUBMITTER:</b>	SUSANNA LI
<b>SIGNATURE:</b>	/Susanna Li/
<b>DATE SIGNED:</b>	03/01/2016
<b>Total Attachments: 6</b>	

source=LT00202\_Executed\_Assignment#page1.tif  
source=LT00202\_Executed\_Assignment#page2.tif  
source=LT00202\_Executed\_Assignment#page3.tif  
source=LT00202\_Executed\_Assignment#page4.tif  
source=LT00202\_Executed\_Assignment#page5.tif  
source=LT00202\_Executed\_Assignment#page6.tif

**ASSIGNMENT**

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

1. Adam BROOMER, residing at 5154 Whitman Way, Apt. 107, Carlsbad, CA 92008 United States of America, citizen of US; and
2. Kelly LI, residing at 1228 Arlington Lane, San Jose, CA 95129 United States of America, citizen of US; and
3. Andreas R. TOBLER, residing at 36608 Melero Common, Fremont, Ca 94536 United States of America, citizen of CH; and
4. Caifu CHEN, residing at 777 San Antonio Road, #91, Palo Alto, CA 94303 United States of America, citizen of US; and
5. David N. KEYS, Jr., residing at 2920 58th Avenue, Oakland, CA 94605 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. 61/334,658, filed May 14, 2010; and in United States Non-provisional Patent Application, Serial No. **13/107,786**, filed on **May 13, 2011** entitled **KARYOTYPING ASSAY**, 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) Adam BROOMER

Date: 6/22/11

Signature: \_\_\_\_\_  
Name (2) Kelly LI

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

Signature: \_\_\_\_\_  
Name (3) Andreas R. TOBLER

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

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;

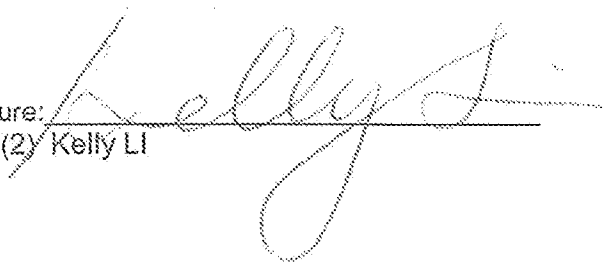
WARRANT AND COVENANT that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned; and

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) Adam BROOMER

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

Signature:  \_\_\_\_\_  
Name (2) Kelly LI

Date: Sept. 7, 2011

Signature: \_\_\_\_\_  
Name (3) Andreas R. TOBLER

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

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) Adam BROOMER

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

Signature: \_\_\_\_\_  
Name (2) Kelly LI

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

Signature:   
Name (3) Andreas R. TOBLER

Date: 06/27/2011

Docket No. LT00202  
Customer No. 52059

Signature:   
Name (4) Caifu CHEN

Date: 6/22/11

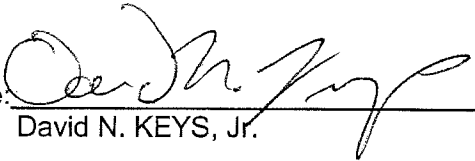
Signature: \_\_\_\_\_  
Name (5) David N. KEYS, Jr.

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

Docket No. LT00202  
Customer No. 52059

Signature: \_\_\_\_\_  
Name (4) Caifu CHEN

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

Signature:  \_\_\_\_\_  
Name (5) David N. KEYS, Jr.

Date: 6/21/2011