

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5465374

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MARK F. OLDHAM	05/26/2009
ERIC S. NORDMAN	05/26/2009
HONGYE SUN	05/26/2009
STEVEN J. BOEGE	05/28/2009
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	LIFE TECHNOLOGIES CORPORATION
<b>Street Address:</b>	5823 NEWTON DRIVE
<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>	16155831
<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>	(760)603-7200
<b>Email:</b>	PatentDocketing@thermofisher.com
<b>Correspondent Name:</b>	LIFE TECHNOLOGIES CORPORATION
<b>Address Line 1:</b>	5823 NEWTON DRIVE
<b>Address Line 4:</b>	CARLSBAD, CALIFORNIA 92008
<b>ATTORNEY DOCKET NUMBER:</b>	7108C1D1
<b>NAME OF SUBMITTER:</b>	GRACIE SEGOVIA
<b>SIGNATURE:</b>	/Gracie Segovia/
<b>DATE SIGNED:</b>	04/09/2019
<b>Total Attachments: 4</b>	
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source=AsFiled_7108C1D1_Assignment_20190409#page2.tif	
source=AsFiled_7108C1D1_Assignment_20190409#page3.tif	



**ASSIGNMENT**

(Worldwide Rights)

**WHEREAS** We, the below named inventors [hereinafter referred to as Assignors], have made an invention entitled: **SCANNING SYSTEM AND METHOD FOR IMAGING AND SEQUENCING**, for which We filed an application for United States Letters Patent on April 6, 2009, as Application No. 12/384,516; and

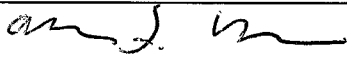
**WHEREAS**, LIFE TECHNOLOGIES CORPORATION (Full Name of Assignee), a corporation of Delaware (State or Country of Incorporation), whose post office address is 5791 Van Allen Way, Carlsbad, California 92008 (hereby referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;


**NOW THEREFORE**, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, We, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

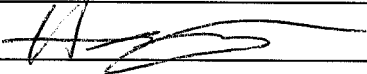
**AND, WE HEREBY** covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

**AND, WE HEREBY** further covenant and agree that We will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

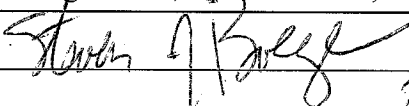
- **See attached California All-Purpose Acknowledgment Form(s)**

FULL NAME OF FIRST INVENTOR: Mark F. OLDHAM
Address: 16500 Soda Springs Road, Los Gatos, CA 95033
Signature: 
Date: May 26, 2009

FULL NAME OF SECOND INVENTOR: Eric S. NORDMAN
Address: 2150 Middlefield Road, Palo Alto, CA 94301
Signature: 
Date: May 26, 2009

FULL NAME OF THIRD INVENTOR: Hongye SUN
Address: 15 Camino Vista Court, Belmont, CA 94002
Signature: 
Date: May 26, 2009

329 Landfair Avenue <sup>SJB</sup>

FULL NAME OF FOURTH INVENTOR: Steven J. BOEGE
Address: <del>1592 Lago Street, Apartment 215</del> , San Mateo, CA 94403
Signature: 
Date: 28 May 2009

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

State of California

County of SAN MATEO

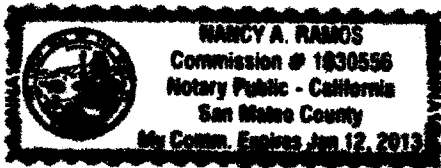
On MAY 26, 2009 before me, NANCY A. RAMOS NOTARY PUBLIC  
Date Here Insert Name and Title of the Officer

personally appeared MARK F. OLDHAM, ERIC S. NORDMAN AND Hongye Sun  
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Place Notary Seal Above

Signature Nancy A. Ramos  
Signature of Notary Public

**OPTIONAL**

*Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.*

**Description of Attached Document**

Title or Type of Document: \_\_\_\_\_

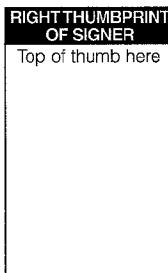
Document Date: \_\_\_\_\_ Number of Pages: \_\_\_\_\_

Signer(s) Other Than Named Above: \_\_\_\_\_

**Capacity(ies) Claimed by Signer(s)**

Signer's Name: \_\_\_\_\_

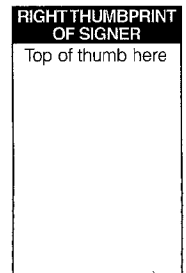
- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_



Signer Is Representing: \_\_\_\_\_

Signer's Name: \_\_\_\_\_

- Individual
- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_



Signer Is Representing: \_\_\_\_\_

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

State of California

County of SAN MATEO

On MAY 28, 2009 before me, NANCY A. RAMOS NOTARY PUBLIC,  
Date Here Insert Name and Title of the Officer

personally appeared STEVEN J. BOEJE  
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(ies), and that by his/~~her/their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



Place Notary Seal Above

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Nancy A. Ramos  
Signature of Notary Public

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*Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.*

**Description of Attached Document**

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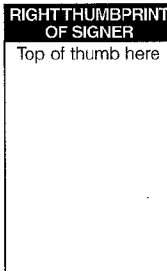
Document Date: \_\_\_\_\_ Number of Pages: \_\_\_\_\_

Signer(s) Other Than Named Above: \_\_\_\_\_

**Capacity(ies) Claimed by Signer(s)**

Signer's Name: \_\_\_\_\_

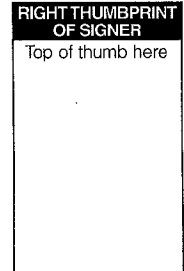
- Individual
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- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: \_\_\_\_\_



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Signer's Name: \_\_\_\_\_

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- Other: \_\_\_\_\_



Signer Is Representing: \_\_\_\_\_