

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4983373

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
LINDA G. LEE	11/02/2006
SAM L. WOO	11/03/2006
CONGCONG MA	11/02/2006
RICHARD T. REEL	11/06/2006
MARK F. OLDHAM	11/02/2006
DAVID M. COX	11/03/2006
BENJAMIN SCHROEDER	11/02/2006
JON SORENSON	11/03/2006
WILLY WIYATNO	11/03/2006
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	APPLERA CORPORATION
<b>Street Address:</b>	850 LINCOLN CENTRE DRIVE
<b>City:</b>	FOSTER CITY
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94404
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14925656
<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>	lsgdocketing@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>	5841-D1US
<b>NAME OF SUBMITTER:</b>	CHERI GOMEZ

<b>SIGNATURE:</b>	/Cheri Gomez/
<b>DATE SIGNED:</b>	05/30/2018
<b>Total Attachments: 5</b> source=5841US - Executed Assignment#page1.tif source=5841US - Executed Assignment#page2.tif source=5841US - Executed Assignment#page3.tif source=5841US - Executed Assignment#page4.tif source=5841US - Executed Assignment#page5.tif	

**ASSIGNMENT**

(Worldwide Rights)

WHEREAS We/I, the below named inventors. [hereinafter referred to as Assignors], have made an invention entitled: **APPARATUS, SYSTEM, AND METHOD USING IMMISCIBLE-FLUID-DISCRETE-VOLUMES**, for which We/I filed an application for United States Letters patent on August 22, 2006, as Application No. 11/507,735; and

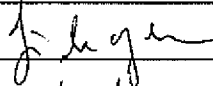
WHEREAS, APPLERA CORPORATION (Full Name of Assignee), a corporation of Delaware (State or Country of Incorporation), whose post office address is 850 Lincoln Centre Drive, Foster City, California 94404 (hereby referred to as Assignee), is desirous of securing the entire right, title, and interest in 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;

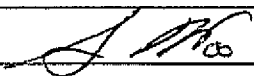
NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, We/I, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, my/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/I 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/I HEREBY covenant that We/I have the full right to convey the interest assigned by this Assignment, and We/I have not executed and will not execute any agreement in conflict with this Assignment;

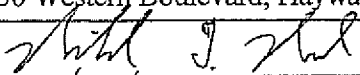
AND, WE/I HEREBY further covenant and agree that WE/I will, without further consideration, communicate with assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver 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.

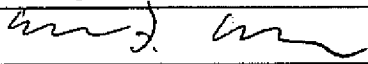
- See attached California All-Purpose Acknowledgment Forms


FULL NAME OF FIRST INVENTOR: Linda G. LEE
Address: 2680 Ramona Street, Palo Alto, CA 94306
Signature: 
Date: 11/02/06

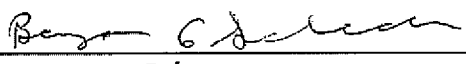
FULL NAME OF SECOND INVENTOR: Sam L. WOO
Address: 450 Carlos Avenue, Redwood City, CA 94061
Signature: 
Date: 11-3-06

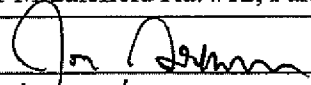
FULL NAME OF THIRD INVENTOR: Congcong MA
Address: 687 Portofino Lane, Foster City, CA 94404
Signature: 
Date: 11/2/2006

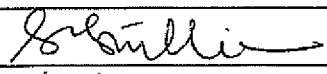
FULL NAME OF FOURTH INVENTOR: Richard T. REEL
Address: 21630 Western Boulevard, Hayward, CA 94541
Signature: 
Date: 11/6/06

FULL NAME OF FIFTH INVENTOR: Mark F. OLDHAM
Address: 16500 Soda Springs Road, Los Gatos, CA 95033
Signature: 
Date: Nov 2 2006

FULL NAME OF SIXTH INVENTOR: David M. COX
Address: 912 Gull Avenue, Foster City, CA 94404
Signature: 
Date: 11-3-06

FULL NAME OF SEVENTH INVENTOR: Benjamin G. SCHROEDER
Address: 1964 Shoreview Avenue, San Mateo, CA 94401
Signature: 
Date: 11-2-06

FULL NAME OF EIGHTH INVENTOR: Jon M. SORENSON
Address: <del>801 Middlefield Rd. #12, Palo Alto, CA 94301</del> 1725 Nason St, Alameda, CA 94501 <span style="float: right;">(11/3/06)</span>
Signature: 
Date: 11/3/06

FULL NAME OF NINTH INVENTOR: Willy WIYATNO
Address: 32759 Gustine Street, Union City, CA 94587
Signature: 
Date: 11/3/06

# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of San Mateo

On November 2, 2006 before me, Cheryl R. Gomez, Notary Public  
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Mark Oldham, Benjamin Schroeder, Linda Lee, and  
Name(s) of Signer(s)

- ☒ Personally known to me  
☐ 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.



WITNESS my hand and official seal.

Cheryl R. Gomez  
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: Assignment (Case No. 5841)

Document Date: 11-2-06 Number of Pages: 2

Signer(s) Other Than Named Above: Congcong Ma

### 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: \_\_\_\_\_

RIGHT THUMBPRINT  
OF SIGNER  
Top of thumb here

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

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

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

RIGHT THUMBPRINT  
OF SIGNER  
Top of thumb here

# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

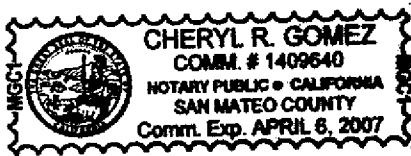
County of San Mateo

On November 3, 2006 before me, Cheryl R. Gomez, Notary Public  
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Sam Woo, Jon Sorenson, David Cox, Willy Wiyatno  
Name(s) of Signer(s)

☒ personally known to me  
☐ proved to me on the basis of satisfactory evidence

to be the person(s) whose name(s) ~~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.



WITNESS my hand and official seal.

Cheryl R. Gomez  
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: Assignment (Case No. 5841)

Document Date: 11-3-06 Number of Pages: 2

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: \_\_\_\_\_

RIGHT THUMBPRINT  
OF SIGNER  
Top of thumb here

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

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

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

RIGHT THUMBPRINT  
OF SIGNER  
Top of thumb here

# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of San Mateo

On November 6, 2006 before me, Cheryl R. Gomez, Notary Public  
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Richard T. Reel  
Name(s) of Signer(s)

☒ personally known to me  
☐ 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.



WITNESS my hand and official seal.

Cheryl R. Gomez  
Signature of Notary Public

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Title or Type of Document: Assignment (Case No. 5841)

Document Date: 11-6-06 Number of Pages: 2

☒ 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: \_\_\_\_\_

RIGHT THUMBPRINT  
OF SIGNER  
Top of thumb here

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☐ Partner — ☐ Limited ☐ General  
☐ Attorney-in-Fact  
☐ Trustee  
☐ Guardian or Conservator  
☐ Other: \_\_\_\_\_

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

RIGHT THUMBPRINT  
OF SIGNER  
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PATENT

RECORDED: 05/30/2018

REEL: 045936 FRAME: 0511