504936627 05/30/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4983373

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
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

RECEIVING PARTY DATA

Name:	APPLERA CORPORATION
Street Address:	850 LINCOLN CENTRE DRIVE
City:	FOSTER CITY
State/Country:	CALIFORNIA
Postal Code:	94404

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14925656

CORRESPONDENCE DATA

Fax Number: (760)476-6048

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.

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Correspondent Name: LIFE TECHNOLOGIES CORPORATION

Address Line 1: **5823 NEWTON DRIVE**

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ATTORNEY DOCKET NUMBER:	5841-D1US
NAME OF SUBMITTER:	CHERI GOMEZ

PATENT REEL: 045936 FRAME: 0505

504936627

SIGNATURE:	/Cheri Gomez/
DATE SIGNED:	05/30/2018
Total Attachments: 5	
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PATENT REEL: 045936 FRAME: 0506

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 <u>Delaware</u> (State or Country of Incorporation), whose post office address is <u>850 Lincoln Centre Drive</u>, Foster City, California <u>94404</u> (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: June 1
Date: 11/02/36
FULL NAME OF SECOND INVENTOR: Sam L. WOO
Address: 450 Carlos Avenue, Redwood City, CA 94061
Signature: Mo
Date: 11-3-06
FULL NAME OF THIRD INVENTOR: Congcong MA
Address: 687 Portofino Lane, Foster City, CA 94404
Signature: Congy Ma
Date: 11/2/2006

FULL NAME OF FOURTH INVENTOR: Richard T. REEL
Address: 21630 Western Boulevard, Hayward, CA 94541
Signature: While J. Mil
Date: {(/6/06
FULL NAME OF FIFTH INVENTOR: Mark F. OLDHAM
Address: 16500 Soda Springs Road, Los Gatos, CA 95033
Signature: h.). h.
Signature: 4nd 4nd 1 2006 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: Berger 6 delectron Date: 11, 2 - 0 4
Date: 1(2 - 0 6
FULL NAME OF EIGHTH INVENTOR: Jon M. SORENSON
Address: 801 Middletield Rd. #12, Palo Alto, CA 94301 1725 Nason St, Alameda CA' 94501
Signature: () (Jehn)
Date: [1/3/06
FULL NAME OF NINTH INVENTOR: Willy WIYATNO
Address: 32759 Gustine Street, Union City, CA 94587
Signature: Schulling
Date: $\frac{U}{3}/06$

State of <u>California</u>	
County of San Mateo	
On November 2, 2006 before	ore me, Chery C. R. Gomez. Notary Public,
personally appeared	ore me, Chery C. R. Gamez, Notary Public, Name and Tille of Officer (e.g., Jane Dor, Notary Public) ham, Benjamin Schroeder, Linda Lee, Narkole) of Signer(s)
	Name(s) of Signer(s) [Sersonally known to me
	☐ proved to me on the basis of satisfactory evidence
	to be the person(s) whose name(s) ware subscribed to the within instrument and acknowledged to me that be/she/they
CHERYL R. GOMEZ	executed the same in hiskely/their authorized capacity(ies), and that by hishes/their signature(s) on the instrument the
COMM. # 1409640 DETECTION OF THE PROPERTY PUBLIC & CALIFORNIA S SAN MATEO COUNTY T	person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.
Comm. Exp. APRIL 6, 2007	WITNESS my hand and official seal.
	Thought to I man
	Signature of Notary Public
The same star in factor of the	OPTIONAL it may prove valuable to persons relying on the document and could prevent
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Description of Attached Docume Title or Type of Document:	vent (case No. 5841)
Title or Type of Document:AJS/JNM	WINT (CASE NO. 584) Number of Pages: 2
Title or Type of Document:AJSIGNM Document Date:1-2-06 Signer(s) Other Than Named Above:	Number of Pages: 2
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CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT d to the he/they ity(ies), nent the irson(s) State of California County of San Maten on November 3, 2006 before me, Cheryl R. Gomez, Notary Public personally appeared SAM WOO, Jon Sovenson, DAVID COX, personally known to me in 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. SAN MATEO COUNTY WITNESS my hand and official seal. **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** Assignment (case No. 5841) Document Date: 1-3-06 Number of Pages: _ Signer(s) Other Than Named Above: Capacity(ies) Claimed by Signer(s) Signer's Name: Signer's Name: □ Individual ☐ Individual ☐ Corporate Officer ☐ Corporate Officer Title(s): Title(s): ☐ Partner — ☐ Limited ☐ General Partner — ☐ Limited ☐ General ☐ Attorney-in-Fact Attorney-in-Fact ☐ Trustee □\Trustee □ Guardian or Conservator □ Guardian or Conservator OF SIGNER ☐ Other: ☐ Other: Top of thumb here Top of thumb here Signer Is Representing: Signer Is Representing:

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REEL: 045936 FRAME: 0510

State of <u>California</u>	
County of San Mateo	
On November 6, 2006 bet	ore me, Chery L. R. Gomez, Notary Public
personally appeared Richard	ore me, Chery L. R. Gowez, Notary Public Name and Title of Officer (e.g., "Jane Doe, Notary Public") T. RelL
	Name(s) of Signer(s) Personally known to me proved to me on the basis of satisfactory evidence
CHERYL R. GOMEZ COMM. # 1409640 NOTARY PUBLIC+ CALIFORNIA 8	to be the person(s) whose name(sees subscribed to the within instrument and acknowledged to me that he/ehe/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.
SAN MATEO COUNTY Comm. Exp. APRIL 6, 2007	WITNESS my hand and official seal.
	Charyl D. Somer
	— OPTIONAL
Though the information below is not required by lac fraudulent removal ar	w, it may prove valuable to persons relying on the document and could prevent ad reattachment of this form to another document.
Description of Attached Docume	ent
Title or Type of Document:ASSI	nment (Case No. 5841)
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Document Date: 11-4-06	Number of Pages: 2
Document Date: 1 ~ 6 ~ 06 Signer(s) Other Than Named Above:	Number of Pages:
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Signer(s) Other Than Named Above: Capacity(ies) Claimed by Signer Signer's Name: Individual Corporate Officer Title(s): Partner — Limited General Attorney-in-Fact	Signer's Name: Individual Corporate Officer Title(s): Partner — Limited General Attorney-in-Fact
Signer(s) Other Than Named Above: Capacity(ies) Claimed by Signer Signer's Name: Individual Corporate Officer Title(s): Partner — Limited General Attorney-in-Fact Trustee Guardian or Conservator	Signer's Name: Individual Corporate Officer Title(s): Partner — Limited General
Signer(s) Other Than Named Above: Capacity(ies) Claimed by Signer Signer's Name: Individual Corporate Officer Title(s): Partner — _ Limited _ General Attorney-in-Fact Trustee Guardian or Conservator	Signer's Name: Individual Corporate Officer Title(s): Partner - Limited General Attorney-in-Fact Trustee Guardian or Conservator RIGHT THUMSPRINT GUARDIAN OF SIGNER
Signer(s) Other Than Named Above: Capacity(ies) Claimed by Signer Signer's Name: Individual Corporate Officer Title(s): Partner — _ Limited _ General Attorney-in-Fact Trustee Guardian or Conservator	Signer's Name: Individual Corporate Officer Title(s): Partner - Limited General Attorney-in-Fact Trustee Guardian or Conservator RIGHT THUMSPRINT GUARDIAN OF SIGNER
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