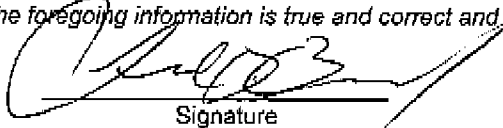
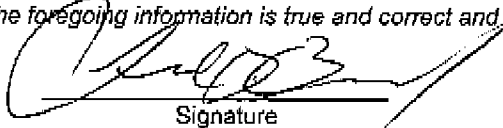
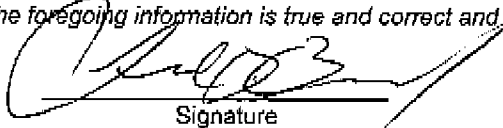


Form PTO-1595 (Rev. 10/02) OMB No. 0651-0027 (exp. 6/30/2005)	<b>RECORDATION FORM COVER SHEET</b>  <b>PATENTS ONLY</b>	U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office Atty. Docket: 5121-5310-CIP-2 US			
Tab settings ⇌ ⇌ ⇌    ↓    ↓    ↓    ↓    ↓    ↓    ↓					
To the honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.					
1. Name of conveying party(ies): Xiongwei YAN                      Darryl J. PAPPIN Pau-Miau YUAN                      Sasi PILLAI Sylvia W. YUEN                      Helena HUANG Kuo-Liang HSI                      Subhasish Purkayastha Joe Y. LAM Krishna G. UPADHYA Subhakar DEY Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies) Name: APPLERA CORPORATION Internal Address: _____ _____ _____ Street Address: 500 Old Connecticut Path _____ City: Framingham State: MA Zip: 01701 Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other Execution Date: 03/23/2006, 03/23/2006, 03/24/2006, 03/29/2006, 03/24/2006, 03/23/2006, 03/24/2006, 03/31/2006, 03/24/2006 04/04/2006, 03/23/2006, respectively.					
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: _____ <table style="width: 100%;"> <tr> <td style="width: 50%;">           A. Patent Application No.(s)            12/618,452         </td> <td style="width: 50%;">           B. Patent No.(s)         </td> </tr> </table> Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			A. Patent Application No.(s) 12/618,452	B. Patent No.(s)	
A. Patent Application No.(s) 12/618,452	B. Patent No.(s)				
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Leonard D. Bowersox, Esq. KILYK & BOWERSOX, P.L.L.C. Internal Address: _____ Street Address: 3925 Chain Bridge Road, Suite D-401 City: Fairfax State: Virginia Zip: 22030	6. Total number of applications and patents involved: <span style="border: 1px solid black; padding: 2px;">1</span> 7. Total fee (37 CFR 3.41). . . . . \$ 40.00 <input checked="" type="checkbox"/> Payment by credit card. Form PTO-2038 is attached. <input checked="" type="checkbox"/> Authorized to charge deposit account if any deficiencies in the above fee. 8. Deposit account number: 50-0925 (Attach duplicate copy of this page if paying by deposit account)				
<b>DO NOT USE THIS SPACE</b>					
9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i> <table style="width: 100%;"> <tr> <td style="width: 40%;"> <u>Leonard D. Bowersox (Reg. No. 33,226)</u>            Name of Person Signing         </td> <td style="width: 30%; text-align: center;">             Signature         </td> <td style="width: 30%; text-align: right;"> <u>January 22, 2010</u>            Date         </td> </tr> </table> Total number of pages including cover sheet, attachments, and documents: <span style="border: 1px solid black; padding: 2px;">11</span>			<u>Leonard D. Bowersox (Reg. No. 33,226)</u> Name of Person Signing	 Signature	<u>January 22, 2010</u> Date
<u>Leonard D. Bowersox (Reg. No. 33,226)</u> Name of Person Signing	 Signature	<u>January 22, 2010</u> Date			

Mail documents to be recorded with required cover sheet information to:  
 Commissioner of Patents & Trademarks, Box Assignments  
 Washington, D.C. 20231

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office, Fax No. (571) 273-0140 on January 22, 2010.

Name: Elizabeth Anastasio

Signature: **PATENT****700427673****REEL: 023838 FRAME: 0439**

OP \$40.00 12618452

**COPY**

Docket No. 2187.1004-005

JointASSIGNMENT

WHEREAS, we, Xiongwei Yan, Pau-Mian Yuan, Sylvia W. Yuen, Kuo-Liang Hsi, Joe Y. Lam, Krishna G. Upadhyay, Subhakar Dey, Darryl J. Pappin, Sasi Pillai, Helena Huang, and Subhasish Purkayastha, have invented a certain improvement in Mass Tags for Quantitative Analyses described in an application for Patent,

- ☐ the specification of which is about to be filed in the United States Patent Office (use for utility (37 CFR § 1.53(b)) and design filings only);
- ☐ is about to be filed in the United States Patent Office as a Provisional Application;
- ☒ the specification of which is United States Application No. 11/355,904, filed February 15, 2006;
- ☐ the specification of which is a Patent Cooperation Treaty Application, International Application No. [ ], filed [ ], which designates the United States of America [and assigned United States Application No. [ ]];
- ☐ which was patented under United States Patent No. [ ].

WHEREAS, Applera Corporation (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Delaware, and having a usual place of business at 500 Old Connecticut Path, Framingham, Massachusetts 01701 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein; I hereby expressly authorize the filing of an International Patent Application under the Patent Cooperation Treaty which corresponds to and claims the priority of the above-identified application;

**PATENT****REEL: 023838 FRAME: 0440**

-2-

Docket No. 2187.1004-005

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any future applications including substitution, reissue, divisional or continuation applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor's Signature: \_\_\_\_\_

Xiongwei Yan

State/ Commonwealth  
of California

County of San Mateo

On this 23rd day of March, 2006, before me, the undersigned notary public, personally appeared Xiongwei Yan,



personally known to me, or



proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

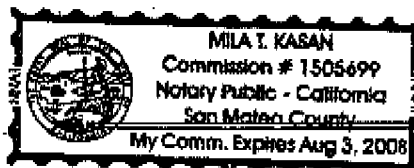
(SEAL)

Mila T. Kasan

Notary Public

Mila T. Kasan

(print name)



My Commission expires 8 / 3 / 2008

-3-

Docket No. 2187.1004-005

Inventor's Signature: \_\_\_\_\_

Pau-Miau Yuan  
Pau-Miau Yuan

State/Commonwealth

of CaliforniaCounty of San Mateo

On this 23rd day of March, 2006, before me, the undersigned notary public, personally appeared **Pau-Miau Yuan**,

☒ personally known to me, or☐ proved to me through satisfactory evidence of identification, which was \_\_\_\_\_

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

Mila T. Kasan

Notary Public

Mila T. Kasan

(print name)

My Commission expires 8 / 3 / 2008

Inventor's Signature: \_\_\_\_\_

Sylvia W. Yuen  
Sylvia W. Yuen

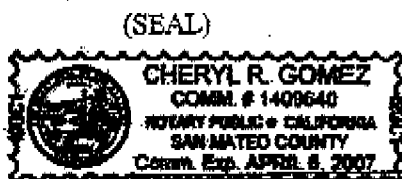
State/Commonwealth

of CaliforniaCounty of San Mateo

On this 24th day of March, 2006, before me, the undersigned notary public, personally appeared **Sylvia W. Yuen**,

☐ personally known to me, or☒ proved to me through satisfactory evidence of identification, which was \_\_\_\_\_

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

Cheryl R. Gomez

Notary Public

Cheryl R. Gomez

(print name)

My Commission expires 04 / 06 / 2007

PATENT

REEL: 023838 FRAME: 0442

-4-

Docket No. 2187.1004-005

Inventor's Signature: \_\_\_\_\_

State/Commonwealth D.C.

of \_\_\_\_\_

County of \_\_\_\_\_

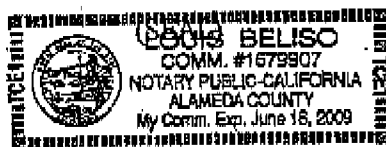
Kuo-Liang Hsi

On this 29TH day of March, 2006, before me, the undersigned notary public, personally appeared Kuo-Liang Hsi,

☐ personally known to me, or

☒ proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.



\_\_\_\_\_  
 Louis Beliso Notary Public  
 (print name)  
 My Commission expires 06/19/2009

Inventor's Signature: \_\_\_\_\_

Joe Y. Lam

State/Commonwealth \_\_\_\_\_

of \_\_\_\_\_

County of \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, the undersigned notary public, personally appeared Joe Y. Lam,

☐ personally known to me, or

☐ proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

Notary Public

(print name)

My Commission expires \_\_\_\_/\_\_\_\_/\_\_\_\_

-4-

Docket No. 2187.1004-005

Inventor's Signature: \_\_\_\_\_

Kuo-Liang Hsi

State/Commonwealth \_\_\_\_\_

of \_\_\_\_\_

County of \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, the undersigned  
notary public, personally appeared **Kuo-Liang Hsi**,

☐ personally known to me, or

☐ proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and  
acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

\_\_\_\_\_  
Notary Public

(print name)

My Commission expires \_\_\_\_/\_\_\_\_/\_\_\_\_

Inventor's Signature: \_\_\_\_\_

Joe Y. Lam

State/Commonwealth \_\_\_\_\_

of CaliforniaCounty of San Mateo

On this 24<sup>th</sup> day of March, 2006, before me, the undersigned  
notary public, personally appeared Joe Y. Lam,

☐ personally known to me, or

☒ proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and  
acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

\_\_\_\_\_  
Notary Public

(print name)

My Commission expires 4 / 6 / 2007

PATENT

REEL: 023838 FRAME: 0444

-5-

Docket No. 2187.1004-005

Inventor's Signature: \_\_\_\_\_

Krishna G. Upadhya

State/Commonwealth \_\_\_\_\_

of CaliforniaCounty of San Mateo

On this 23rd day of March, 2006, before me, the undersigned notary public, personally appeared **Krishna G. Upadhya**,

☒ personally known to me, or

☐ proved to me through satisfactory evidence of identification, which was \_\_\_\_\_

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

Mila T. Kasan

Notary Public

Mila T. Kasan

(print name)

My Commission expires 8 / 3 / 2008

Inventor's Signature: \_\_\_\_\_

Subhakar Dey

State/Commonwealth \_\_\_\_\_

of \_\_\_\_\_

County of \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, the undersigned notary public, personally appeared **Subhakar Dey**,

☐ personally known to me, or

☐ proved to me through satisfactory evidence of identification, which was \_\_\_\_\_

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

Notary Public

(print name)

My Commission expires \_\_\_\_/\_\_\_\_/\_\_\_\_

-5-

Docket No. 2187.1004-005

Inventor's Signature: \_\_\_\_\_

Krishna G. Upadhya

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, the undersigned  
notary public, personally appeared **Krishna G. Upadhya**,

☐

personally known to me, or

☐

proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and  
acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

\_\_\_\_\_  
Notary Public

(print name)

My Commission expires \_\_\_\_/\_\_\_\_/\_\_\_\_

Inventor's Signature: \_\_\_\_\_

Subhakar Dey

State/Commonwealth

of MassachusettsCounty of Middlesex

On this 24th day of March, 2006, before me, the undersigned  
notary public, personally appeared **Subhakar Dey**,

☒

personally known to me, or

☐

proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and  
acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

\_\_\_\_\_  
Notary Public

(print name)

My Commission expires 11/30/2012

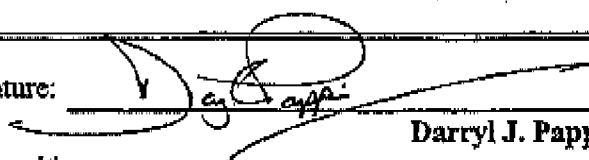
PATENT

REEL: 023838 FRAME: 0446



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Docket No. 2187.1004-005

Inventor's Signature: Darryl J. Pappin

State/Commonwealth

of MassachusettsCounty of Middlesex

On this 31<sup>st</sup> day of March, 2006, before me, the undersigned  
notary public, personally appeared Darryl J. Pappin,



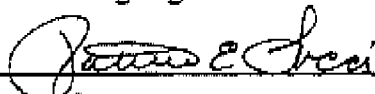
personally known to me; or



proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and  
acknowledged that he/she signed the foregoing instrument as his/her free act and deed.


(SEAL)



Notary Public

Patricia E. Tucci

(print name)

My Commission expires 8/13/10Inventor's Signature: Sasi Pillai

State/Commonwealth

of MassachusettsCounty of Middlesex

On this 24<sup>th</sup> day of March, 2006, before me, the undersigned  
notary public, personally appeared Sasi Pillai,



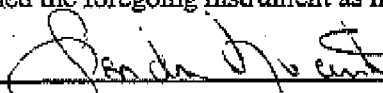
personally known to me, or



proved to me through satisfactory evidence of identification, which was

to be the person whose name was signed on the foregoing instrument in my presence, and  
acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)



Notary Public

Sandra Lucente

(print name)

My Commission expires 11/30/2012

PATENT

REEL: 023838 FRAME: 0447

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Docket No. 2187.1004-005

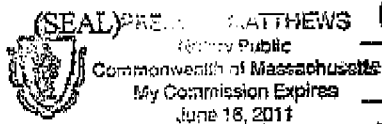
Inventor's Signature: \_\_\_\_\_

Helena Huang

State/Commonwealth

of MassachusettsCounty of MiddlesexOn this 4 day of April, 2006, before me, the undersigned notary public, personally appeared Helena Huang,☐ personally known to me, or☒ proved to me through satisfactory evidence of identification, which was MASS license, + BOA ATM Card

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

Matthew Matthews

Notary Public

(print name)

My Commission expires 6/18/2011

Inventor's Signature: \_\_\_\_\_

Subhasish Purkayastha

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, the undersigned notary public, personally appeared Subhasish Purkayastha,☐ personally known to me, or☐ proved to me through satisfactory evidence of identification, which was \_\_\_\_\_

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

Notary Public

(print name)

My Commission expires \_\_\_\_/\_\_\_\_/\_\_\_\_

@PFDsktop\c:\ODMA\MHODMA\HBSR05\Manage\609401\1

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Docket No. 2187.1004-005

Inventor's Signature: \_\_\_\_\_

**Helena Huang**

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, the undersigned notary public, personally appeared **Helena Huang**,

☐ personally known to me, or☐ proved to me through satisfactory evidence of identification, which was \_\_\_\_\_

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

\_\_\_\_\_  
Notary Public

(print name)

My Commission expires \_\_\_\_/\_\_\_\_/\_\_\_\_

Inventor's Signature: \_\_\_\_\_

**Subhasish Purkayastha**

State/Commonwealth

of MassachusettsCounty of Middlesex

On this 23<sup>rd</sup> day of March, 2006, before me, the undersigned notary public, personally appeared **Subhasish Purkayastha**,

☒ personally known to me, or☐ proved to me through satisfactory evidence of identification, which was \_\_\_\_\_

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

\_\_\_\_\_  
Notary Public

(print name)

My Commission expires 8 / 13 / 10

@PFDesktop\ODMA\MHQDMA\HBSR05\iManage\609401.1

**PATENT**