PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Sean M. Desmond	04/02/2003
Zbigniew T. Bryning	04/02/2003
John Shigeura	04/02/2003
Gary Lim	04/02/2003
Adrian Fawcett	04/15/2003
Jacob F. Freudenthal	04/04/2003
Gary Bordenkircher	04/09/2003

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
A	pplication Number:	12850326

CORRESPONDENCE DATA

Fax Number: (760)476-6048

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 7602688365

Email: mary.gillette@lifetech.com Correspondent Name: Life Technologies c/o Intellevate

Address Line 1: P.O. Box 52050

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ATTORNEY DOCKET NUMBER: 4875-D1 C1

REEL: 025890 FRAME: 0634

PATENT

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NAME OF SUBMITTER:	Mary E. Gillette
Total Attachments: 10	
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ASSIGNMENT

(Worldwide Rights)

WHEREAS We/I, the below named inventors. [hereinafter referred to as Assignors], have made an invention entitled: MICROFLUIDIC SIZE-EXCLUSION DEVICES, SYSTEMS, AND METHODS for which We/I filed an application for United States Letters patent on <u>January 3, 2003</u>, as Application No. <u>10/336,706</u>; 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: Sean M. DESMOND
Address: 1939 Birch Avenue, San Carlos, California 94070
Signature: Lean HT. Dermond
Date: 02 April 2003
FULL NAME OF SECOND INVENTOR: Zbigniew T. BRYNING
FULL NAME OF SECOND INVENTOR: Zbigniew T. BRYNING Address: 3859 Rincon Ave., Campbell, CA 95008

FULL NAME OF THIRD INVENTOR: John SHIGEURA
Address: 1021 Los Trancos Road, Portola Valley, CA 94028
Signature:
Date: OZ APR 03
FULL NAME OF FOURTH INVENTOR: Gary LIM
Address: 2739 37 th Avenue, San Francisco, CA 94116
Signature: Haly Tim
Date: $4/2/03$
FULL NAME OF FIFTH INVENTOR: Adrian FAWCETT
Address: 3606 W. Las Positas Blvd., Pleasanton, CA 94588
Signature: Adian Jawall
Date: $4/15/03$
FULL NAME OF SIXTH INVENTOR: Jacob K. FREUDENTHAL
Address: 14374 Wyrick Avenue, San Jose, CA 95124
Signature: Jul Janut
Date: 4/4/03
FULL NAME OF SEVENTH INVENTOR: Gary BORDENKIRCHER
Address: 1440 Calle De Las Granvas, Livermore, CA 94550
Signature:
Date:

State of California	1
County of San Mateo	SS.
County of	
	alle of Vaca Hatas, B. 11's
On April 2, 2003, before me,	Mila T. Kasan, Notary Public, Name and Title of Officer (e.g., "Jane Doe, Notary Public")
personally appeared	Sean M. Desmand,
	Name(s) of Signer(s)
	personally known to me
	x 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
AND STATES	capacity(ies), and that by his/her/their
MILA T. KASAN Commission #1270202	signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s)
Notary Public - Colifornia	acted, executed the instrument.
Son Mateo County My Comm. Expires Jul 9, 2004	acted, excediced the metallicine.
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Capacity(ies) Claimed by Signer Signer's Name:	RIGHT THUMBPRINT
☐ Individual	OF SIGNER
☐ Corporate Officer — Title(s):	Top of thumb here
☐ Partner — ☐ Limited ☐ General	
☐ Attorney in Fact	\wedge
☐ Trustee	
Guardian or Conservator	
Other:	
/	\
Signer Is Representing:	

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State of California			
County of San I	natio		
		Mila T. Kasan, Notary F Name and Title of Officer (e.g., "Jane Doe, Notar	
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		□ personally known to me proved to me on the basis evidence	of satisfactory
Commi Notary Pi San M	A T. KASAN ssion #1270202 Jolic - California ateo County Expires Jul 9, 2004	to be the person(s) whose resubscribed to the within interaction acknowledged to me that he/she the same in his/her/thefic capacity(hes), and that by signature(s) on the instrument the entity upon behalf of which acted, executed the instrument.	strument and /they executed r authorized his/ker/their e person(s), or the person(s)
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☐ Trustee	vator /		
			T. Control of the Con
☐ Guardian or Conserv☐ Other:			

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State of California)
County of <u>San mates</u>	ss.
County of Solor County	J
	Mila T. Kasan Notary Public , Name and Title of Officer (e.g., "Jane Doe, Notary Public")
personally appeared	Name(s) of Signer(s)
	☐ personally known to me ☼ proved to me on the basis of satisfactory evidence
MILA T. KASAN Commission #1270202 Notary Public - Colifornia	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.
San Matea County My Comm. Expires Jul 9, 2004	•
	WITNESS my hand and official seal.
	Mula T. Kapans
Place Notary Seal Above	Signature of Notary Public
	OPTIONAL ——————
, ,	law, it may prove valuable to persons relying on the document and reattachment of this form to another document.
•	and realizariment of this form to another document.
Title or Type of Document:	signment (4875 US)
Document Date: April 2, 2003	Number of Pages: 2
Signer(s) Other Than Named Above:	
Capacity(ies) Claimed by Signer Signer's Name:	RIGHT THUMBPRINT
☐ Individual	OF SIGNER Top of thumb here
☐ Corporate Officer — Title(s):	
☐ Partner — ☐ Limited ☐ General	
☐ Attorney in Fact	
☐ Trustee	
☐ Guardian or Conservator ☐ Other:	
U Julei.	
Signer Is Representing:	
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County of	
On April 2, 2003 , before m	ne, inita T. Kasan Hotary Public, Name and Title of Officer (e.g., "Jane Doe, Notary Public") Gary Lim Name(s) of Signer(s)
personally appeared	Gary Lim,
	Name(s) of Signer(s)
	 □ personally known to me ⋈ proved to me on the basis of satisfactory evidence
MILA T. KASAN Commission #1270202 Notary Public - Colifornia San Mateo County My Comm. Expires Jul 9, 2004	to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/s/re/their executed the same in his/her/their authorized capacity(iss), 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.
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Place Notary Seal Above	Signature of Notary Public
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☐ Individual	OF SIGNER
☐ Corporate Officer — Title(s):	Top of thumb here
□ Partner — □ Limited □ General	
□ Partner — □ Limited □ General□ Attorney in Fact	
□ Partner — □ Limited □ General□ Attorney in Fact□ Trustee	
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State of California	
County of San Mateo	ss.
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	hery L. R. Gomez, Notary Public,
personally appeared Adrian Fowle	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(ios), and that by his/ her/their
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NOTARY PUBLIC • CALIFORNIA R	acted, executed the instrument.
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Signer's Name:	RIGHT THUMBPRINT
☐ Individual	OF SIGNER Top of thumb here
☐ Corporate Officer — Title(s):	
☐ Partner — ☐ Limited ☐ General	
☐ Attorney in Fact ☐ Trustee	
☐ Guardian or Conservator	
Other:	
Signer Is Representing:	

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State of California	ss.
County of <u>San Mateo</u>	
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On April 4, 2003 , before me,	Mila T. Kasan, Notary Public Name and Title of Officer (e.g., "Jane Doe, Notary Public") COB K. Freudenthal Name(s) of Signer(s)
personally appeared	Name(s) of Signer(s)
	 personally known to me proved to me on the basis of satisfactory evidence
MILA T. KASAN Commission #1270202 Notary Public - California San Mateo County My Comm. Expires Jul 9, 2004	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.
The Control of the Co	WITNESS my hand and official seal.
	Frila T. Kasaw Signature of Notary Public
Place Notary Seal Above	Signature of Notary Public
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Capacity(ies) Claimed by Signer Signer's Name:	RIGHT THUMBPRINT OF SIGNER
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personally appeared	Name(s) of Signer(s)
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SALLY MONTGONERY S	acknowledged to me that/ne/she/they executed
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ALAMEDA COUNTY COMM. EXP. APRIL 18, 2004	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.
	and Art 2 to
	WITNESS my hand and official seal.
Place Notary Seal Above	Signature of Notary Public
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Though the information below is not required by	I Am, it may prove valuable to persons relying on the document I and reattachment of this form to another document.
Description of Attached Document	۸
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Signer(s) Other Than Named Above:	
Capacity(ies) Claimed by Signer	
Signer's Name:	RIGHT THUMBPRINT
Individual	OF SIGNER Top of thumb here
□ Corporate Officer — Title(s):□ Partner — □ Limited □ General	
☐ Attorney in Fact	
☐ Trustee	
☐ Guardian or Conservator	
Other:	
Signer Is Representing:	

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RECORDED: 03/02/2011