# 505359620 03/06/2019

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5406408

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
JEREMY AGRESTI		01/13/2010
LIANG-YIN CHU		11/25/2009
GEORGE M. CHURCH		01/08/2010
GAUTAM DANTAS		11/25/2009
JIN WOONG KIM		12/15/2009
AMY ROWAT		12/08/2009
MORTEN O.A. SOMMER		11/30/2009
DAVID A. WEITZ		11/30/2009

#### **RECEIVING PARTY DATA**

Name:	President and Fellows of Harvard College	
Street Address:	17 Quincy Street	
City:	Cambridge	
State/Country:	MASSACHUSETTS	
Postal Code:	02138	

#### **PROPERTY NUMBERS Total: 2**

Property Type	Number
Application Number:	15792218
Application Number:	15670977

#### CORRESPONDENCE DATA

		105 0500		
Fax Number:	(617)	7)495-9568		
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.				
Phone:	(617)	495-3067		
Email:	siobhan_murphy@harvard.edu			
Correspondent Name:	KARI	KAREN SINCLAIR		
Address Line 1:	1350 MASSACHUSETTS AVE			
Address Line 2:	HARVARD UNIVERSITY, OFFICE OF TECH. DEV.			
Address Line 4:	CAMBRIDGE, MASSACHUSETTS 02138			
ATTORNEY DOCKET NUMBER: 2915		2915		
NAME OF SUBMITTER: KAREN SINCLAIR		KAREN SINCLAIR		

505359620

SIGNATURE:	/K.S./			
DATE SIGNED:	03/06/2019			
Total Attachments: 40				
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#### ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned Assignor, hereby:

1. Sell, assign and transfer to President and Fellows of Harvard College, a Massachusetts non-profit corporation having a place of business at 17 Quincy Street; Cambridge, Massachusetts 02138, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, my entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on September 4, 2009 under No. 12/529,926, bearing Attorney Docket No. H0498.70295US01. and entitled ASSAYS AND OTHER REACTIONS INVOLVING DROPLETS, and International Patent Application No.: PCT/US2008/003185 filed March 7, 2008, bearing Attorney Docket No.: H0498.70295WO00 and entitled ASSAYS AND OTHER REATIONS INVOLVING DROPLETS, and in and to the application and all corresponding provisional, non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country, including but not limited to China, Japan and Korea, on any of the inventions; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on the inventions, including the right to apply for patent rights in each foreign country and all rights to priority, including the right to claim priority for China, Japan and Korea, as well as the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent;

2. Agree that the Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for the inventions in its own name; and when requested, without charge to but at the expense of the Assignee, I agree to carry out in good faith the intent and purpose of this assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all the inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to the Assignee all facts known to me relating to the inventions and the history thereof, and generally by doing everything reasonably possible which the Assignee shall consider desirable for aiding in securing and maintaining proper protection for the inventions and for vesting title to the inventions and all applications for patents and all patents on the inventions, in the Assignee;

3. Request the Director of the United States Patent and Trademark Office and non-US patent authorities to issue the Letters Patent to the Assignee;

4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing patent/application identification information or correct any errors in the patent/application identification information provided above, whether discovered prior to or after recordation;

5. Covenant with the Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me; and

6. Appoint Assignee, through its designee, my attorney-in-fact to execute, in my name and on my behalf, any and all documents required to effectuate this Assignment, specifically

Attorney Docket No. H0498.70295US01 1828683.1 Page 1 of 10

including, but not limited to, those documents specified above and any necessary corrective assignments.

This instrument is executed under seal and signed under the pains and penalties of perjury under the laws of the United States of America.

Attorney Docket No. H0498.70295US01 1828883.1

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Page 2 of 10

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2010

Inventor: Jeremy Agrest

Address: 6/ Phymouth Street Apt. #3 Cambridge, Massachusetts 02141 Cilizenship: US

alitoma STATE/COMMONWEALTH OF COUNTY OF a Med 6

On this <u>13</u> day of <u>January</u>, <u>2010</u>, before me, the undersigned notary public, personally appeared <u>Jeremy Agresti</u>, proved to me through satisfactory evidence of identification, which were  $\sqrt{y}$  is the undersigned notary public.

to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL

Ni 100 Canlin

IN VIL

My commission expires:



Attorney Docket No. H0498.70285US01 1828883.1 Page 3 of 10

Date	Inventor:	Llang-Yin Chu
	Address:	School of Chemical Engineering
	,	Sichuan University
		Chengdu, 610065
		PEOPLE'S REPUBLIC OF CHINA
	Citizenship:	People's Republic of China
Witness:	Date:	
Witness:	Date:	

Attorney Docket No. H0498.70295US01 1828883.1

Page 4 of 10

Inventor:	David A. Weitz	
Address:	213 Green Road	
	Bolton, Massachusetts 01740	
Citizenship:	US	

STATE/COMMONWEALTH OF \_\_\_\_\_\_\_.

On this data data data data data data dat	y of,, before me, the undersigned notary public, David A. Weitz, proved to me through satisfactory evidence o	ń
identification, which were	stimps	

to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL

Date

Notary Public

My commission expires:

Attorney Docket No. H0498.70295US01 1828883.1 Page 5 of 10

Date	Inventor:	Jin-Woong Kim	
	Address:	301-806 Jugong Apartment	
		Geumwha-village	
		Gyeonggi-do 446-958	
		REPUBLIC OF KOREA	
C	itizenship:	Republic of Korea	
Witness:	Date:		
Witness:	Date:		

Attomey Docket No. H0498.70295US01 1828883.1

Page 6 of 10

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Date	Inventor:	Amy Rowat	
		Address:	240 River Street, #8
			Cambridge, Massachusetts 02139
		Citizenship:	Canada
STATE/COMMONWEA	LTH OF	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
COUNTY OF		4 •	
On this	day of		, before me, the undersigned notary public,
personally appeared		Amy Rowat	, proved to me through satisfactory evidence of
to me that the contents	igned the of the d	preceding or attached ocument are truthful and	document in my presence and swore or affirmed d accurate to the best of (his) (her) knowledge ned it voluntarily for its stated purpose.
SEAL		Notary Public	

My commission expires:

Attorney Docket No. H0498.70295US01 1828883.1

Page 7 of 10

Date

Inventor:	Morten Sommer	
Address:	2 Brimmer Street	
	#2	
	Boston, Massachusetts	02108
Cltizenship:		

.

STATE/COMMONWEALTH OF \_\_\_\_\_\_:

On this da	ay of	, before me, the undersigned notary public,
personally appeared	Morten Sommer	, proved to me through satisfactory evidence of
identification, which were		99991111919444444444444444444444444444

to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL

Notary Public

My commission expires:

Attomey Docket No. H0498.70295US01 1828883.1 Page 8 of 10

Date		Inventor:	Gautam Dantas
		Address:	14 Mead Street
			#2
			Allston, Massachusetts 02134
		Citizenship:	India
STATE/COMMONWE			
COUNTY OF		ананананананананананананананананананан	
On this	day of		, before me, the undersigned notary public,
personally appeared	Gautam D	antas	, proved to me through satisfactory evidence of
identification which w	ere		
to be the person who	signed the precedin	g or attached	document in my presence and swore or affirmed
to me that the content	s of the document a	re truthful an	d accurate to the best of (his) (her) knowledge
and helief and acknow			, al la calcadavili (far ita algida alimaco
and constants dontion	rledged to me that (	he) (she) sigr	ned it voluntarily for its stated purpose.
	rledged to me that (	he) (she) sigr	ned it voluntarily for its stated purpose.

Inventor: Gautam Dantas

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SEAL

Notary Public

My commission expires:

Attorney Docket No. H0498.70295US01 1828883.1

Page 9 of 10

Inventor:	George Church
Address:	218 Kent Street
	Brookline, MA 02446
Citizenship:	US

STATE/COMMONWEALTH OF \_\_\_\_\_\_:

On this \_\_\_\_\_\_ day of \_\_\_\_\_\_, \_\_\_\_, before me, the undersigned notary public, personally appeared \_\_\_\_\_\_ George Church \_\_\_\_\_, proved to me through satisfactory evidence of identification, which were \_\_\_\_\_\_

to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL

Date

Notary Public

My commission expires:

Attorney Docket No. H0498.70295US01 1828883.1 Page 10 of 10

#### ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned Assignor, hereby:

Sell, assign and transfer to President and Fellows of Harvard College, a Massachusetts 1. non-profit corporation having a place of business at 17 Quincy Street; Cambridge, Massachusetts 02138, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, my entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on September 4, 2009 under No. 12/529,926, bearing Attorney Docket No. H0498.70295US01, and entitled ASSAYS AND OTHER REACTIONS INVOLVING DROPLETS, and International Patent Application No.: PCT/US2008/003185 filed March 7, 2008, bearing Attorney Docket No.: H0498.70295WO00 and entitled ASSAYS AND OTHER REATIONS INVOLVING DROPLETS, and in and to the application and all corresponding provisional, non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country, including but not limited to China, Japan and Korea, on any of the inventions; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on the inventions, including the right to apply for patent rights in each foreign country and all rights to priority, including the right to claim priority for China, Japan and Korea, as well as the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent;

2. Agree that the Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for the inventions in its own name; and when requested, without charge to but at the expense of the Assignee, I agree to carry out in good faith the intent and purpose of this assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all the inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to the Assignee all facts known to me relating to the inventions and the history thereof, and generally by doing everything reasonably possible which the Assignee shall consider desirable for aiding in securing and maintaining proper protection for the inventions and for vesting title to the inventions and all applications for patents and all patents on the inventions, in the Assignee;

3. Request the Director of the United States Patent and Trademark Office and non-US patent authorities to issue the Letters Patent to the Assignee;

4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing patent/application identification information or correct any errors in the patent/application identification provided above, whether discovered prior to or after recordation;

5. Covenant with the Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me; and

6. Appoint Assignee, through its designee, my attorney-in-fact to execute, in my name and on my behalf, any and all documents required to effectuate this Assignment, specifically

Page 1 of 10 PATENT REEL: 048513 FRAME: 0322 including, but not limited to, those documents specified above and any necessary corrective assignments.

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This instrument is executed under seal and signed under the pains and penalties of perjury under the laws of the United States of America.

Attorney Docket No. H0498.70295US01 1828883.1

#### Page 2 of 10 PATENT REEL: 048513 FRAME: 0323

Date

Inventor: Jeremy Agresti Address: 61 Plymouth Street Apt. #3 Cambridge, Massachusetts 02141 Citizenship: US

STATE/COMMONWEALTH OF \_\_\_\_\_\_:

On this \_\_\_\_\_\_ day of \_\_\_\_\_\_, \_\_\_\_, before me, the undersigned notary public, personally appeared \_\_\_\_\_\_\_ deremy Agresti \_\_\_\_\_\_, proved to me through satisfactory evidence of identification, which were \_\_\_\_\_\_

to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL

Notary Public

My commission expires:

Attorney Docket No. H0498.70295US01 1828883.1 Page 3 of 10

Nov. 25, 2009 Date

Liang-Yin Chu

.

Inventor:

Address: School of Chemical Engineering Sichuan University Chengdu, 610065 PEOPLE'S REPUBLIC OF CHINA Citizenship: People's Republic of China

Rui Xie Witness:

Nov. 25, 2009

Witness: King fre Tu

Date: Nov. 25

Attorney Docket No. H0498.70295US01 1828883.1

Page 4 of 10

11/30/09 Date

11/1/10

Inventor: David A. Weitz Address: 213 Green Road Bolton, Massachusetts 01740

Citizenship: US

lassachusetts STATE/COMMONWEALTH OF MiDDles COUNTY OF day of <u>ModemBon</u>, <u>1009</u>, before me, the undersigned notary public, David A. Weitz, proved to me through satisfactory evidence of On this personally appeared identification, which were <u>DLIVer's Livers c</u> to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge

and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL

Public

My commission expires:

CHRISTINA M. ANDUJAR Notary Public Immonwealth of Massachusetts My Commission Expires August 26, 2016

Attorney Docket No. H0498.70295US01 1828883.1 Page 5 of 10

Date	Inventor:	Jin-Woong Kim
	Address:	301-806 Jugong Apartment
		Geumwha-village
		Gyeonggi-do 446-958
		REPUBLIC OF KOREA
С	itizenship:	Republic of Korea
Witness:	Date:	
Witness:	Date:	
Witness:	Date:	REPUBLIC OF KOREA Republic of Korea

Attorney Docket No. H0498.70295US01 1828683.1 Page 6 of 10

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Vec. 8/2009 Date

Inventor: Amy Rowal

Address: 240 River Street, #8 Cambridge, Massachusetts 02139 Citizenship: Canada

STATE/COMMONWEALTH OF MASSAChaselfs

On this day of <u>MMMM</u>, <u>MM</u>, before me, the undersigned notary public, personally appeared <u>Amy Rowat</u>, proved to me through satisfactory evidence of identification, which were <u>MASS</u> <u>MM</u>

to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL

Notary Public

My commission expires:

CHRISTINA M. ANDUJAR Notary Public imonwealth of Massachusetts My Commission Expires August 26, 2016

Attorney Docket No. H0498.70295US01 1828883.1 Page 7 of 10

11/30/09 Date

Inventor: Morten Sommer

Address: 2 Brimmer Street #2 Boston, Massachusetts 02108 Citizenship: Demma

STATE/COMMONWEALTH OF CER MASSACHUSETTS COUNTY OF <u>SUFFOUR</u>: On this 30 day of NOV, 2009, before me, the undersigned notary public, personally appeared Morten Sommer, proved to me through satisfactory evidence of identification, which were MASS DALUENS LICENSE to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL

7. Stoderut Notary Public

My commission expires: <u>5/7/2010</u>

Attorney Docket No. H0498.70295US01 1828883.1

Page 8 of 10

25th Nov'07 Date

Inventor: Gautam Dantas Address:<sup>69</sup>t# Mead Street- 7906 Lafon Place GP.-#2 University City, Missouri, 63130 G<sup>o.</sup> Allston; Massachusetts 02134

Citizenship: India

STATE/COMMONWEALTHOF Missour COUNTY OF St. Louis

On this day of <u>Movember</u>, <u>2009</u>, before me, the undersigned notary public, personally appeared <u>Gautam Dantas</u>, proved to me through satisfactory evidence of identification, which were <u>me</u> <u>Missoure</u> <u>Driver's Liverse</u>, <u>V/6 324/00/4</u> to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL

Hotary Public

My commission expires: October 16,2010



Attorney Docket No. H0498.70295US01 1828883.1 Page 9 of 10

Date		Inventor:	George Church
		Address:	218 Kent Street
			Brookline, MA 02446
		Citizenship:	US
STATE/COMMONWE	ALTH OF		
On this	_ day of		, before me, the undersigned notary public, , proved to me through satisfactory evidence of
personally appeared		<u>s church</u>	, proved to me introdyn satisfactory evidence of
to me that the contents	signed the prece s of the documer	nt are truthful and	document in my presence and swore or affirmed I accurate to the best of (his) (her) knowledge ed it voluntarily for its stated purpose.
SEAL			

Notary Public

My commission expires:

Attomey Docket No. H0498.70295US01 1828683.1 Page 10 of 10

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#### ASSIGNMENT

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1. Sell, assign and transfer to President and Fellows of Harvard College, a Massachusetts non-profit corporation having a place of business at 17 Quincy Street; Cambridge, Massachusetts 02138, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, my entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on September 4, 2009 under No. 12/529,926, bearing Attorney Docket No. H0498.70295US01, and entitled ASSAYS AND OTHER REACTIONS INVOLVING DROPLETS, and International Patent Application No.: PCT/US2008/003185 filed March 7, 2008, bearing Attorney Docket No.: H0498.70295WO00 and entitled ASSAYS AND OTHER REATIONS INVOLVING DROPLETS, and in and to the application and all corresponding provisional, non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country, including but not limited to China, Japan and Korea, on any of the inventions; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on the inventions, including the right to apply for patent rights in each foreign country and all rights to priority, including the right to claim priority for China, Japan and Korea, as well as the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent:

2. Agree that the Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for the inventions in its own name; and when requested, without charge to but at the expense of the Assignee, I agree to carry out in good faith the intent and purpose of this assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all the inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to the Assignee all facts known to me relating to the inventions and the history thereof, and generally by doing everything reasonably possible which the Assignee shall consider desirable for aiding in securing and maintaining proper protection for the inventions and for vesting title to the inventions and all applications for patents and all patents on the inventions, in the Assignee;

3. Request the Director of the United States Patent and Trademark Office and non-US patent authorities to issue the Letters Patent to the Assignee;

4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing patent/application identification information or correct any errors in the patent/application identification information provided above, whether discovered prior to or after recordation;

5. Covenant with the Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me; and

6. Appoint Assignee, through its designee, my attorney-in-fact to execute, in my name and on my behalf, any and all documents required to effectuate this Assignment, specifically

Page 1 of 10

including, but not limited to, those documents specified above and any necessary corrective assignments.

This instrument is executed under seal and signed under the pains and penalties of perjury under the laws of the United States of America.

Attorney Docket No. H0498.70295US01 1828883.1 Page 2 of 10

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\*

Inventor:	Jeremy Agresti
Address:	61 Plymouth Street
	Apt. #3
	Cambridge, Massachusetts 02141
Citizenship:	US

STATE/COMMONWEALTH OF \_\_\_\_\_:

On this	day of	_,, before me, the undersigned notary public,
personally appeared	Jeremy Agresti	proved to me through satisfactory evidence of
identification, which were	e	

to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL

Date

Notary Public

My commission expires:

Page 3 of 10

Date Inver	itor: Liang-Yin Chu
	•
Addre	ess: School of Chemical Engineering
	Sichuan University
	Chengdu, 610065
	PEOPLE'S REPUBLIC OF CHINA
Citizens	hip: People's Republic of China
Witness: Da	ate:
( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	
Witness: Da	ate:

Page 4 of 10

.

Date		Inventor:	David A. Weitz
		Address:	213 Green Road
			Bolton, Massachusetts 01740
		Citizenship:	US
STATE/COMMONWE	ALTH OI		
COUNTY OF			
On this	_ day of		, before me, the undersigned notary public,
personally appeared identification, which we			_, proved to me through satisfactory evidence of
to be the person who a to me that the contents	signed the c	e preceding or attached locument are truthful and	document in my presence and swore or affirmed I accurate to the best of (his) (her) knowledge ed it voluntarily for its stated purpose.
		() (0.10) olg.i.	ou a roundary for no otacod parposor
SEAL			
		Notary Public	

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My commission expires:

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12/15/09 Date

1)m Inventor: Jin-Woong Kim

..:

Address: 301-806 Jugong Apartment Geumwha-village Gyeonggi-do 446-958 **REPUBLIC OF KOREA** 

Citizenship: Republic of Korea

3/22824 Chenghwan Hwang Witness: Jann Uborran Pank Witness:

Date: 12/15/09

Date: 12/15/09

Page 6 of 10

Date		Inventor:	Amy Rowat
		Address:	240 River Street, #8
			Cambridge, Massachusetts 02139
		Citizenship:	Canada
STATE/COMMONWE	ALTH OF		
COUNTY OF		e' ù	
On this	_ day of	*	, before me, the undersigned notary public,
personally appeared		Amy Rowat	_, proved to me through satisfactory evidence of
identification, which we	ere		
to be the person who	signed the	preceding or attached	document in my presence and swore or affirmed
to me that the contents	s of the do	ocument are truthful and	accurate to the best of (his) (her) knowledge
and belief and acknow	ledged to	me that (he) (she) sign	ed it voluntarily for its stated purpose.
200 pm 6 1			
SEAL			

Notary Public

My commission expires:

Attorney Docket No. H0498.70295US01 1828883.1 Page 7 of 10

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Date		Inventor:	Morten Sommer
		Address:	2 Brimmer Street
			#2
			Boston, Massachusetts 02108
		Citizenship:	
STATE/COMMONWE	ALTH OF		
COUNTY OF		_;	
On this	day of		before me the undersigned potent public
			, before me, the undersigned notary public,, proved to me through satisfactory evidence of
identification, which we			_, proved to the through satisfactory evidence of
,		or attached	document in my presence and swore or affirmed
to me that the contents	s of the document ar	e truthful and	accurate to the best of (his) (her) knowledge
and belief and acknow	ledged to me that (h	ie) (she) sign	ed it voluntarily for its stated purpose.
0 m A 1			
SEAL	N i e te m	Dublin	
	ivotary	Public	

My commission expires:

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		Address:	14 Mead Street #2 Allston, Massachusetts 02134
		Citizenship:	India
~~*			
STATE/COMMONWE/ COUNTY OF		•	
On this	day of		, before me, the undersigned notary public,
personally appeared	Gautam [	Dantas	_, proved to me through satisfactory evidence of
identification, which we	re		۶
to be the person who s	igned the precedir	ng or attached	document in my presence and swore or affirmed
to me that the contents	of the document	are truthful and	accurate to the best of (his) (her) knowledge
and belief and acknow	ledged to me that	(he) (she) sign	ed it voluntarily for its stated purpose.
SEAL			
	Nota	ry Public	

Inventor: Gautam Dantas

My commission expires:

Date

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Date	Inver	tor: George Church
		-
	Addre	ess: 218 Kent Street
		Brookline, MA 02446
	Citizens	hip: US
STATE/COMMONWE		
COUNTY OF		
On this		, before me, the undersigned notary public,
personally appeared	George Church	, proved to me through satisfactory evidence of
identification, which w	ere	
to be the person who	signed the preceding or attac	hed document in my presence and swore or affirmed
to me that the content	s of the document are truthful	and accurate to the best of (his) (her) knowledge
and belief and acknow	vledged to me that (he) (she)	signed it voluntarily for its stated purpose.
	<b>y</b>	
SEAL		
	Notary Public	

My commission expires:

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#### ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned Assignor, hereby:

Sell, assign and transfer to President and Fellows of Harvard College, a Massachusetts 1. non-profit corporation having a place of business at 17 Quincy Street; Cambridge, Massachusetts 02138, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, my entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on September 4, 2009 under No. 12/529,926, bearing Attorney Docket No. H0498.70295US01, and entitled ASSAYS AND OTHER REACTIONS INVOLVING DROPLETS, and International Patent Application No.: PCT/US2008/003185 filed March 7, 2008, bearing Attorney Docket No.: H0498.70295WO00 and entitled ASSAYS AND OTHER REATIONS INVOLVING DROPLETS, and in and to the application and all corresponding provisional, non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country, including but not limited to China, Japan and Korea, on any of the inventions; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on the inventions, including the right to apply for patent rights in each foreign country and all rights to priority, including the right to claim priority for China, Japan and Korea, as well as the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent;

2. Agree that the Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for the inventions in its own name; and when requested, without charge to but at the expense of the Assignee, I agree to carry out in good faith the intent and purpose of this assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all the inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to the Assignee all facts known to me relating to the inventions and the history thereof, and generally by doing everything reasonably possible which the Assignee shall consider desirable for aiding in securing and maintaining proper protection for the inventions and for vesting title to the inventions and all applications for patents and all patents on the inventions, in the Assignee;

3. Request the Director of the United States Patent and Trademark Office and non-US patent authorities to issue the Letters Patent to the Assignee;

4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing patent/application identification information or correct any errors in the patent/application identification provided above, whether discovered prior to or after recordation;

5. Covenant with the Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me; and

6. Appoint Assignee, through its designee, my attorney-in-fact to execute, in my name and on my behalf, any and all documents required to effectuate this Assignment, specifically

Attorney Docket No. H0498.70295US01 1828883.1 Page 1 of 10

including, but not limited to, those documents specified above and any necessary corrective assignments.

This instrument is executed under seal and signed under the pains and penalties of perjury under the laws of the United States of America.

Attomey Docket No. H0498.70295US01 1828883.1 Page 2 of 10

Inventor: Jeremy Agresti Address: 61 Plymouth Street Apt. #3 Cambridge, Massachusetts 02141 Citizenship: US

STATE/COMMONWEALTH OF \_\_\_\_\_:

On this \_\_\_\_\_\_ day of \_\_\_\_\_\_, \_\_\_\_, before me, the undersigned notary public, personally appeared \_\_\_\_\_\_\_ Jeremy Agresti \_\_\_\_\_, proved to me through satisfactory evidence of identification, which were

to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL

Date

Notary Public

My commission expires:

Attorney Docket No. H0498.70295US01 1828883.1 Page 3 of 10

Date Invent	tor: Liang-Yin Chu
Addres	ss: School of Chemical Engineering
	Sichuan University
	Chengdu, 610065
	PEOPLE'S REPUBLIC OF CHINA
Citizensh	ip: People's Republic of China
Witness: Da	.te:
Witness: Da	ite:

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Attomey Docket No. H0498.70295US01 1828883.1

Page 4 of 10

Date Inventor: David A. Weitz Address: 213 Green Road Bolton, Massachusetts 01740 Citizenship: US STATE/COMMONWEALTH OF : COUNTY OF , before me, the undersigned notary public, On this day of David A. Weitz , proved to me through satisfactory evidence of personally appeared identification, which were to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL

Notary Public

My commission expires:

Attorney Docket No. H0498.70295US01 1828883.1 Page 5 of 10

	Jin-Woong Kim 301-806 Jugong Apartment
	Geumwha-village
	Gyeonggi-do 446-958 REPUBLIC OF KOREA
Citizenship:	Republic of Korea
Witness: Date:	
Witness: Date:	

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Attomey Docket No. H0498.70295US01 1828883.1 Page 6 of 10

identification, which we	ere		
personally appeared		Amy Rowat	, proved to me through satisfactory evidence of
On this	_ day of		, before me, the undersigned notary public,
COUNTY OF		•	
STATE/COMMONWE	ALTH OF		
		Citizenship:	Canada
			Cambridge, Massachusetts 02139
		Address:	240 River Street, #8
Date		Inventor:	Amy Howat

to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL

Date

Notary Public

My commission expires:

Attorney Docket No. H0498.70295US01 1828883.1

Page 7 of 10

			accurate to the best of (his) (her) knowledge
	signed the prec	eding or attached	document in my presence and swore or affirmed
personally appeared identification, which we	***************************************	n Sommer	
On this			, before me, the undersigned notary public, , proved to me through satisfactory evidence of
STATE/COMMONWE	ALTH OF		
		Citizenship:	
			Boston, Massachusetts 02108
			#2
		Address:	2 Brimmer Street
		mvemor.	Morten Sommer

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SEAL

Notary Public

My commission expires:

Attorney Docket No. H0498.70295US01 1828883.1 Page 8 of 10

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Date	inventor:	Gautam Dantas
	Address:	14 Mead Street
		#2
		Allston, Massachusetts 02134
I	Citizenship:	India
STATE/COMMONWE	ALTH OF	
	ALTH OF:	
COUNTY OF	:::	, before me, the undersigned notary public,
COUNTY OF	:::	, before me, the undersigned notary public, , proved to me through satisfactory evidence of
personally appeared identification, which w	_ day of,,, ,,,	_, proved to me through satisfactory evidence of
COUNTY OF On this personally appeared identification, which w	_ day of,,, ,,,	_, proved to me through satisfactory evidence of
COUNTY OF On this personally appeared identification, which w to be the person who		_, proved to me through satisfactory evidence of

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SEAL

Notary Public

My commission expires:

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Attorney Docket No. H0498.70295US01 1828883.1 Page 9 of 10

5 Jan 2010

Date

Inventor: George Church Address: 218 Kent Street Citizenship: US

Brookline, MA 02446

STATE/COMMONWEALTH OF MASSACHUSETTS COUNTY OF SUFFILK: ared <u>JAN</u>, proved to me through satisfactory evidence of On this , proved to me through satisfactory evidence of personally appeared identification, which were KNOWN TO ME to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL <u>T. Budde Aud</u> Notary Public My commission expires:  $\frac{s/4}{2010}$ 

Attorney Docket No. H0498,70295US01 1828883.1

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**RECORDED: 03/06/2019** 

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