

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6667960

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
RAINDANCE TECHNOLOGIES, INC.	05/03/2019
RECEIVING PARTY DATA	
Name:	BIO-RAD LABORATORIES, INC.
Street Address:	1000 ALFRED NOBEL DRIVE
City:	HERCULES
State/Country:	CALIFORNIA
Postal Code:	94547
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17081220
CORRESPONDENCE DATA	
Fax Number:	(617)856-8201
<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>	
Phone:	617-856-8200
Email:	ip@brownrudnick.com, srichards@brownrudnick.com
Correspondent Name:	BROWN RUDNICK, LLP
Address Line 1:	ONE FINANCIAL CENTER
Address Line 4:	BOSTON, MASSACHUSETTS 02111
ATTORNEY DOCKET NUMBER:	RDT-543/US06 29168/640
NAME OF SUBMITTER:	THOMAS C. MEYERS
SIGNATURE:	/THOMAS C. MEYERS/
DATE SIGNED:	04/21/2021
Total Attachments: 18	
source=RDT-543-US06-RDT-Biorad-Assignment#page1.tif	
source=RDT-543-US06-RDT-Biorad-Assignment#page2.tif	
source=RDT-543-US06-RDT-Biorad-Assignment#page3.tif	
source=RDT-543-US06-RDT-Biorad-Assignment#page4.tif	
source=RDT-543-US06-RDT-Biorad-Assignment#page5.tif	
source=RDT-543-US06-RDT-Biorad-Assignment#page6.tif	

source=RDT-543-US06-RDT-Biorad-Assignment#page7.tif
source=RDT-543-US06-RDT-Biorad-Assignment#page8.tif
source=RDT-543-US06-RDT-Biorad-Assignment#page9.tif
source=RDT-543-US06-RDT-Biorad-Assignment#page10.tif
source=RDT-543-US06-RDT-Biorad-Assignment#page11.tif
source=RDT-543-US06-RDT-Biorad-Assignment#page12.tif
source=RDT-543-US06-RDT-Biorad-Assignment#page13.tif
source=RDT-543-US06-RDT-Biorad-Assignment#page14.tif
source=RDT-543-US06-RDT-Biorad-Assignment#page15.tif
source=RDT-543-US06-RDT-Biorad-Assignment#page16.tif
source=RDT-543-US06-RDT-Biorad-Assignment#page17.tif
source=RDT-543-US06-RDT-Biorad-Assignment#page18.tif

PATENT APPLICATION ASSIGNMENT

PATENT APPLICATION ASSIGNMENT (hereinafter referred to as "Assignment") between **RainDance Technologies, Inc.**, a Delaware Corporation, whose post office address is 749 Middlesex Turnpike, Billerica, MA 01821 (hereinafter referred to as "Assignor"), and **Bio-Rad Laboratories, Inc.**, a Delaware Corporation, whose post office address is 1000 Alfred Nobel Drive, Hercules, CA 94547 (hereinafter referred to as "Assignee").

RECITALS

WHEREAS, Assignor agrees to transfer and assign to Assignee certain intangible assets presently held by Assignor;

WHEREAS, included among the assets to be transferred and assigned to Assignee are certain inventions, patents, patent applications and know-how (hereinafter referred to as "Patent Applications"), including without limitation certain Patent Applications set forth in Exhibit A attached hereto; and

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by Assignor, Assignor hereby agrees as follows:

Assignment of Patent Applications:

(a) Assignor hereby assigns and transfers to Assignee, its successors, assigns and legal representatives, Assignor's entire right, title and interest for all countries in and to: (i) each of the Patent Applications owned by Assignor including, but not limited to such Patent Applications listed in Exhibit A hereof; (ii) any and all of the inventions which are disclosed and claimed in the Patent Applications; (iii) any and all of the inventions which are disclosed, but not claimed in any of the Patent Applications; (iv) all divisional, continuing, substitute, renewal, reissue, and all other patents and applications for patent, industrial property or other related property rights in any and all countries which have been or shall be filed on any of the inventions disclosed in any of the Patent Applications; (v) all original and reissued patents, industrial property or related documents, which have been or shall be issued on any such inventions disclosed in any of the Patent Applications; and (vi) all rights to sue and recover for, and all rights to, profits or damages due or accrued arising out of or in connection with any and all past, present, or future infringements of any or all of the Patent Applications or patents arising therefrom.

(b) Assignor authorizes and requests the respective worldwide Patent, Letters Patent and Industrial Property Offices to issue to the Assignee, its successors, assigns and legal representatives, in accordance with this Assignment, any and all patents, letters patent

or industrial property on the inventions or any of them disclosed in any of the Patent Applications.

(c) Assignor authorizes and agrees that the Assignee may apply for and receive patents, letters patents, industrial property or rights of any other kind for the inventions disclosed in any of the Patent Applications; and may claim, in applications for said patents, letters patent, industrial property or other rights, the priority of the Patent Applications under the provisions of the International Convention of 1883 and later modifications thereof, under the Patent Cooperation Treaty, under the European Patent Convention or under any other available international agreement.

(d) Assignor authorizes and agrees that when requested, without charge to Assignor, but at the expense of the Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the Assignor or the Assignor's executors or administrators will, for all countries, execute all divisional, continuing, substitute, renewal, reissue, and all other patent, letters patent or industrial property applications or other documents on any and all such inventions disclosed in any of the Patent Applications; execute all rightful oaths, agreements, powers of attorney and other papers; communicate to the Assignee, its successors, assigns and representatives, all facts known and documents available to the Assignor relating to said inventions and the history thereof; testify in all legal proceedings (provided, the Assignor shall not be required to incur any out of pocket costs), and generally do everything possible which the Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said inventions and for vesting title to said inventions and all applications for patents or related rights and all patents, letters patent or industrial property on such inventions, in the Assignee, its successors, assigns and legal representatives.

[Rest of Page Intentionally Left Blank]

ASSIGNOR:

RainDance Technologies, Inc.

By: [Signature]

Name: Timothy Ernst

Title: Vice President

Date: 5-3-2019

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document, to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

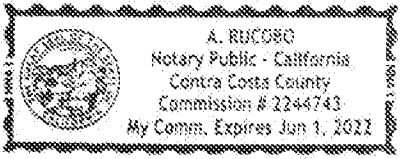
State of California)
County of Contra Costa) ss.

On 5-3-19, before me, A. RUCERO, Notary Public, personally appeared Timothy Ernst, personally known to me or 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/het/their authorized capacity(ies), and that by his/het/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.

[Signature]

Signature of Notary Public



Place Notary Seal Above

My Commission Expires: 6-1-2022

PATENT ASSIGNMENT

ASSIGNEE:

Bio-Rad Laboratories, Inc.

By: *John J. Cassingham*

Name: John J. Cassingham

Title: VP, Assistant General Counsel

Date: May 3, 2019

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document, to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

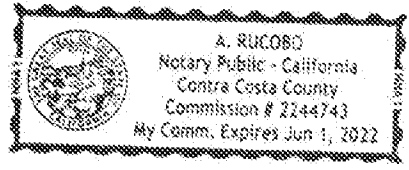
State of California)
County of Contra Costa) ss.

On 5-3-19, before me, ARUCOSO, Notary Public, personally appeared John J. Cassingham, personally known to me or 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/het/their authorized capacity(ies), and that by his/het/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.

A. Rucoso

Signature of Notary Public



Place Notary Seal Above

My Commission Expires: 6-1-2022

EXHIBIT A

U.S. Patents and Applications

Title	Patent Office	Status	Application No.	Filing Date	Patent or Publication No.	Pub. Date
FLUIDIC INTERCONNECTS TO ELASTOMERIC MICROFLUIDIC DEVICES AND METHODS OF MAKING SAME	US	Expired	60/799833	5/11/2006		
COLLECTION AND REINJECTION OF EMULSIONS ON A MULTI-STEP MICROFLUIDIC DEVICE	US	Expired	60/799834	5/11/2006		
MICROFLUIDIC DEVICE AND METHODS OF USE FOR PRODUCING MICROBIAL STRAINS WITH IMPROVED BIOMASS CONVERSION	US	Expired	60/808614	5/25/2006		
METHODS FOR INJECTING ULTRA-SMALL VOLUMES OF SAMPLE	US	Expired	60/815097	6/19/2006		
DIDEOXYNUCLEOTIDE SEQUENCING ON MICROFLUIDIC DEVICES	US	Expired	60/819733	7/7/2006		
USE OF FLUORESCENCE POLARIZATION LABELS IN MICROFLUIDIC DEVICES	US	Expired	60/819734	7/7/2006		
SINGLE NUCLEOTIDE POLYMORPHISM ANALYSIS ON MICROFLUIDIC DEVICES	US	Expired	60/833151	7/24/2006		
SINGLE NUCLEOTIDE POLYMORPHISM ANALYSIS ON MICROFLUIDIC DEVICES	US	Expired	60/834987	7/31/2006		

PATENT ASSIGNMENT

DETECTION OF LOW COPY NUMBER TEMPLATE DNA OF MICROFLUIDIC DEVICES	US	Expired	60/837695	8/14/2006		
USE OF FLUORESCENCE POLARIZATION LABELS IN MICROFLUIDIC DEVICES	US	Expired	60/841716	9/1/2006		
USE OF FLUORESCENCE POLARIZATION LABELS IN MICROFLUIDIC DEVICES	US	Expired	60/843374	9/8/2006		
SELECTIVITY SCREENING OF ENZYME VARIANTS	US	Expired	60/843327	9/8/2006		
METHODS OF GENERATING LIBRARY EMULSIONS	US	Expired	60/856440	11/3/2006		
METHODS OF USING COMPLEMENTING PROTEIN ASSAYS TO MONITOR INTERACTIONS ON A MICROFLUIDIC DEVICE	US	Expired	60/858279	11/8/2006		
COMPOSITIONS AND METHODS FOR USE WITH A MICROFLUIDIC DEVICE	US	Expired	60/858278	11/8/2006		
METHODS FOR SCREENING FOR RNAI ON A MICROFLUIDIC DEVICE	US	Expired	60/860665	11/22/2006		
METHODS FOR SORTING AND KARYOTYPING ON A MICROFLUIDIC DEVICE	US	Expired	60/873766	12/8/2006		
METHODS OF GENERATING LIBRARY EMULSIONS	US	Expired	60/874561	12/12/2006		
COMPOSITIONS AND METHODS FOR USE WITH A MICROFLUIDIC DEVICE	US	Expired	60/874640	12/12/2006		

PATENT ASSIGNMENT

METHODS OF DETERMINISTIC LATERAL DISPLACEMENT FOR CONTINUOUS PARTICLE SEPARATION	US	Expired	60/876209	12/20/2006		
METHODS FOR USING RADIO FREQUENCY IDENTIFICATION TAGS TO LABEL MICRODROPLETS OR NANODROPLETS	US	Expired	60/903153	2/23/2007		
METHODS FOR SLOWING OR STORING MICRODROPLETS OR NANODROPLETS ON A MICROFLUIDIC DEVICE	US	Expired	60/904293	2/28/2007		
METHODS FOR PERFORMING VARIOUS APPLICATIONS ON A MICROFLUIDIC DEVICE	US	Expired	60/920337	3/26/2007		
MICROFLUIDIC DEVICES AND METHODS OF USE THEREOF	US	Abandoned	11/803101	5/11/2007	14589	1/17/2008
MICROFLUIDIC DEVICES	US	Abandoned	11/803104	5/11/2007	20080003142	1/3/2008
DROPLET LIBRARIES AND METHODS OF USE ON MICROFLUIDIC DEVICES	US	Expired	61/081930	7/18/2008		
MANIPULATION OF MICROFLUIDIC DROPLETS	US	Expired	61/162521	3/23/2009		
DROPLET LIBRARIES	US	Abandoned	12/504764	7/17/2009	20100022414	1/28/2010
MICROFLUIDIC DEVICES AND METHODS OF USE IN THE FORMATION AND CONTROL OF NANOREACTORS	US	Abandoned	12/087713	9/28/2009	20100137163	6/3/2010
FLUOROCARBON EMULSION STABILIZING SURFACTANTS	US	Granted	12/310048	12/10/2009	9012390	4/21/2015

PATENT ASSIGNMENT

MICROFLUIDIC SYSTEMS AND METHODS FOR REDUCING THE EXCHANGE OF MOLECULES BETWEEN DROPLETS	US	Expired	61/289654	12/23/2009		
SIGNAL INTENSITY BASED DIGITAL GENETIC ANALYSIS	US	Expired	61/304163	2/12/2010		
MANIPULATION OF MICROFLUIDIC DROPLETS	US	Granted	12/729462	3/23/2010	8528589	9/10/2013
SIGNAL INTENSITY BASED DIGITAL GENETIC ANALYSIS	US	Expired	61/331490	5/5/2010		
SIGNAL INTENSITY BASED DIGITAL GENETIC ANALYSIS	US	Expired	61/347158	5/21/2010		
DROPLET-BASED PROTEOMIC ANALYSIS	US	Expired	61/388413	9/30/2010		
MULTIPLEXING OF PCR PRIMER PAIRS IN DROPLETS	US	Expired	61/388937	10/1/2010		
ELASTOMERIC GASKET FOR FLUID INTERFACE TO A MICROFLUIDIC CHIP	US	Expired	61/437491	1/28/2011		
DIGITAL ANALYTE ANALYSIS	US	Granted	13/026107	2/11/2011	8535889	9/17/2013
DIGITAL ANALYTE ANALYSIS	US	Granted	13/026120	2/11/2011	9074242	7/7/2015
THERMOCYCLING DEVICE FOR NUCLEIC ACID AMPLIFICATION AND METHODS OF USE	US	Expired	61/441992	2/11/2011		
METHODS FOR FORMING MIXED DROPLETS	US	Expired	61/441985	2/11/2011		
COMPOSITIONS AND METHODS FOR LABELING NUCLEIC ACIDS IN DROPLETS	US	Expired	61/444612	2/18/2011		
COMPOSITIONS AND METHODS FOR MOLECULAR LABELING USING DROPLET LIBRARIES	US	Expired	61/476714	4/18/2011		
SAMPLE MULTIPLEXING	US	Expired	61/492605	6/2/2011		

PATENT ASSIGNMENT

ENZYME QUANTIFICATION	US	Expired	61/492602	6/2/2011		
MANIPULATING DROPLET SIZE	US	Expired	61/509837	7/20/2011		
SANDWICH ASSAYS IN DROPLETS	US	Granted	13/250702	9/30/2011	9562897	2/7/2017
ELASTOMERIC GASKET FOR FLUID INTERFACE TO A MICROFLUIDIC CHIP	US	Published	13/361303	1/30/2012	20120244043	9/27/2012
THERMOCYCLING DEVICE FOR NUCLEIC ACID AMPLIFICATION AND METHODS OF USE	US	Granted	13/371217	2/10/2012	9266104	2/23/2016
METHODS FOR FORMING MIXED DROPLETS	US	Granted	13/371222	2/10/2012	9364803	6/14/2016
COMPOSITIONS AND METHODS FOR MOLECULAR LABELING	US	Granted	13/398677	2/16/2012	9150852	10/6/2015
METHOD FOR MAINTAINING THE REPRESENTATION OF A NUCLEIC ACID POPULATION FOR A SEQUENCING REACTION	US	Expired	61/636217	4/20/2012		
DIGITAL ANALYTE ANALYSIS	US	Granted	13/460762	4/30/2012	9399797	7/26/2016
SAMPLE MULTIPLEXING	US	Granted	13/485234	5/31/2012	8841071	9/23/2014
ENZYME QUANTIFICATION	US	Published	13/487030	6/1/2012	2012-0264646	10/18/2012
MANIPULATING DROPLET SIZE	US	Granted	13/554655	7/20/2012	8658430	2/25/2014
SELECTION OF COMPARTMENTALISED SCREENING	US	Granted	13/629227	9/27/2012	9273308	3/1/2016
MICROFLUIDIC SYSTEMS AND METHODS FOR REDUCING THE EXCHANGE OF MOLECULES BETWEEN DROPLETS	US	Published	13/518619	11/29/2012	20130109575	5/2/2013

PATENT ASSIGNMENT

MICROFLUIDIC DEVICES AND METHODS OF USE IN THE FORMATION AND CONTROL OF NANOREACTORS	US	Granted	13/759660	2/5/2013	9328344	5/3/2016
MICROFLUIDIC DEVICES	US	Published	13/772002	2/20/2013	20130183659	7/18/2013
DIGITAL ANALYTE ANALYSIS	US	Granted	13/773868	2/22/2013	9441266	9/13/2016
LABELING AND SAMPLE PREPARATION FOR SEQUENCING	US	Granted	13/774437	2/22/2013	9176031	11/3/2015
MICROFLUIDIC DEVICES	US	Published	13/779943	2/28/2013	20130210639	8/15/2013
DIGITAL ANALYTE ANALYSIS	US	Granted	13/796901	3/12/2013	9228229	1/5/2016
RARE CELL ANALYSIS AFTER NEGATIVE SELECTION	US	Expired	61/808706	4/5/2013		
DIGITAL ANALYTE ANALYSIS	US	Published	13/866111	4/19/2013	20140045712	2/13/2014
DIGITAL ANALYTE ANALYSIS	US	Granted	13/866126	4/19/2013	9366632	6/14/2016
DIGITAL ANALYTE ANALYSIS	US	Granted	13/866141	4/19/2013	9494520	11/15/2016
MANIPULATION OF MICROFLUIDIC DROPLETS	US	Granted	14/021481	9/9/2013	8857462	10/14/2014
DIGITAL ANALYSIS OF NUCLEIC ACID MODIFICATION	US	Expired	61/887103	10/4/2013		
METHODS FOR ANALYZING DNA	US	Published	14/058799	10/21/2013	20140113300	4/24/2014
DISTINGUISHING A GENETIC MUTATION IN A NUCLEIC ACID SEQUENCE FROM A FALSE POSITIVE	US	Expired	61/915435	12/12/2013		
METHODS OF miRNA DETECTION IN DROPLETS	US	Expired	61/922307	12/31/2013		
MANIPULATING DROPLET SIZE	US	Abandoned	14/173974	2/6/2014	20140154695	6/5/2014
MICROFLUIDIC DEVICES AND METHODS OF USE IN THE FORMATION AND CONTROL OF NANOREACTORS	US	Granted	14/226482	3/26/2014	9410151	8/9/2016

PATENT ASSIGNMENT

RARE CELL ANALYSIS AFTER NEGATIVE SELECTION	US	Abandoned	14/245348	4/4/2014	20140303005	10/9/2014
MICROFLUIDIC DEVICES AND METHODS OF USE IN THE FORMATION AND CONTROL OF NANOREACTORS	US	Granted	14/248991	4/9/2014	9534216	1/3/2017
ENZYME QUANTIFICATION	US	Granted	14/122766	4/18/2014	9556470	1/31/2017
DIGITAL ANALYTE ANALYSIS	US	Granted	14/264686	4/29/2014	9127310	9/8/2015
SAMPLE MULTIPLEXING	US	Fast Track	14/281212	5/19/2014	20140256568	9/11/2014
SYSYEM AND METHOD FOR DETECTION OF SMALL RNA SPECIES	US	Expired	62/001963	5/22/2014		
DIGITAL ANALYSIS OF NUCLEIC ACID MODIFICATION	US	Published	14/505974	10/3/2014	20150099266	4/9/2015
MANIPULATION OF MICROFLUIDIC DROPLETS	US	Granted	14/511892	10/10/2014	9341594	5/17/2016
DISTINGUISHING RARE VARIATIONS IN A NUCLEIC ACID SQUENCE FROM A SAMPLE	US	Published	14/568923	12/12/2014	20150167066	6/18/2015
SYSTEMS AND METHODS FOR DETECTION OF RNA SPECIES	US	Published	14/587365	12/31/2014	20150184256	7/2/2015
MOLECULAR DIAGNOSTIC SCREENING ASSAY	US	Published	14/596949	1/14/2015	20150126400	5/7/2015
FLUOROCARBON EMULSION STABILIZING SURFACTANTS	US	Granted	14/687388	4/15/2015	9498761	11/22/2016
OSCILLATION-BASED EMULSION GENERATION	US	Expired	62/215465	9/8/2015		
NUCLEIC ACID LIBRARY GENERATION METHODS AND COMPOSITIONS	US	Expired	62/215626	9/8/2015		
COMPOSITIONS AND METHODS FOR MOLECULAR LABELING	US	Fast Track	14/874553	10/5/2015	20160289670	10/6/2016

PATENT ASSIGNMENT

SYSTEM, METHOD, AND KIT FOR MULTIPLEXING IN PARTITIONS USING PRIMER PARTICLES	US	Expired	62/264187	12/7/2015		
COMPOSITIONS AND METHODS FOR MOLECULAR LABELING	US	Published	14/995744	1/14/2016	20160201125	7/14/2016
DIGITAL ANALYTE ANALYSIS	US	Granted	15/019355	2/9/2016	9745617	8/29/2017
MANIPULATION OF MICROFLUIDIC DROPLETS	US	Granted	15/082424	3/28/2016	9733168	8/15/2017
MANIPULATING DROPLET SIZE	US	Published	15/176710	6/8/2016	20160281140	9/29/2016
DIGITAL ANALYTE ANALYSIS	US	Published	15/189672	6/22/2016	20170002400	1/5/2017
NUCLEIC ACID LIBRARY GENERATION METHODS AND COMPOSITIONS	US	Pending	15/259899	9/8/2016		
DROPLET LIBRARIES	US	Published	15/290378	10/11/2016	20170028365	2/2/2017
MICROFLUIDIC DEVICES AND METHODS OF USE IN THE FORMATION AND CONTROL OF NANOREACTORS	US	Granted	15/331452	10/21/2016	9752141	9/5/2017
SANDWICH ASSAYS IN DROPLETS	US	Pending	15/415276	1/25/2017		
ENZYME QUANTIFICATION	US	Published	15/415290	1/25/2017	20170131279	5/11/2017
MICROFLUIDIC DEVICES	US	Pending	15/480739	4/6/2017		

Foreign Patents and Applications

Title	Patent Office	Status	Application No.	Filing Date	Patent or Publication No.	Pub. Date
MICROFLUIDIC DEVICES AND METHODS OF USE IN THE FORMATION AND CONTROL OF NANOREACTORS	AU	Abandoned	2006335290	6/1/2006	2006335290	7/19/2007

PATENT ASSIGNMENT

MICROFLUIDIC DEVICES AND METHODS OF USE IN THE FORMATION AND CONTROL OF NANOREACTORS	CA	Granted	2636855	6/1/2006	2636855	7/19/2007
MICROFLUIDIC DEVICES AND METHODS OF USE IN THE FORMATION AND CONTROL OF NANOREACTORS	EP	Withdrawn	6844121.1	6/1/2006	1984738	10/29/2008
MICROFLUIDIC DEVICES AND METHODS OF USE IN THE FORMATION AND CONTROL OF NANOREACTORS	EP	Published	10196179.5	6/1/2006	2364774	9/14/2011
MICROFLUIDIC DEVICES AND METHODS OF USE IN THE FORMATION AND CONTROL OF NANOREACTORS	EP	Published	10196339.5	6/1/2006	2363205	9/7/2011
MICROFLUIDIC DEVICES AND METHODS OF USE IN THE FORMATION AND CONTROL OF NANOREACTORS	JP	Abandoned	2008-550290	6/1/2006	2009-536313	10/8/2009
MICROFLUIDIC DEVICES AND METHODS OF USE IN THE FORMATION AND CONTROL OF NANOREACTORS	JP	Allowed	2014-059522	6/1/2006	2014-138611	7/31/2014
MICROFLUIDIC DEVICES AND METHODS OF USE IN THE FORMATION AND CONTROL OF NANOREACTORS	JP	Published	2015-220885	6/1/2006	2016-027827	2/25/2016

PATENT ASSIGNMENT

MICROFLUIDIC DEVICES AND NEW METHODS OF USE	WO	NAT PHASE	PCT/US06/21286	6/1/2006	WO2007081386	7/19/2007
MICROFLUIDIC DEVICES AND METHODS OF USE THEREOF	WO	NAT PHASE	PCT/US06/21280	6/1/2006	WO2007081385	7/19/2007
MICROFLUIDIC DEVICES, METHODS OF USE, AND KITS FOR PERFORMING DIAGNOSTICS	WO	NAT PHASE	PCT/US06/21380	6/1/2006	WO2007081387	7/19/2007
MICROFLUIDIC DEVICES	DE	Granted	11192561.6	5/11/2007	2481815	8/1/2012
MICROFLUIDIC DEVICES	DE	Granted	12173257.2	5/11/2007	2530168	12/5/2012
MICROFLUIDIC DEVICES	EP	Abandoned	7870672.8	5/11/2007	2021113	2/11/2009
MICROFLUIDIC DEVICES	EP	VALIDATED	8170992.5	5/11/2007	2047910	11/11/2009
MICROFLUIDIC DEVICES	EP	VALIDATED	11192561.6	5/11/2007	2481815	8/1/2012
MICROFLUIDIC DEVICES	EP	To Be Aband	12173242.4	5/11/2007	2530167	12/5/2012
MICROFLUIDIC DEVICES	EP	VALIDATED	12173257.2	5/11/2007	2530168	12/5/2012
MICROFLUIDIC DEVICES	EP	Published	15193188.8	5/11/2007	3031918	6/15/2016
MICROFLUIDIC DEVICES	FR	Granted	11192561.6	5/11/2007	2481815	8/1/2012
MICROFLUIDIC DEVICES	FR	Granted	12173257.2	5/11/2007	2530168	12/5/2012
MICROFLUIDIC DEVICES	GB	Granted	8170992.5	5/11/2007	2047910	11/11/2009
MICROFLUIDIC DEVICES	GB	Granted	11192561.6	5/11/2007	2481815	8/1/2012
MICROFLUIDIC DEVICES	GB	Granted	12173257.2	5/11/2007	2530168	12/5/2012
MICROFLUIDIC DEVICES	JP	Withdrawn	2009-509887	5/11/2007	2010506136	2/25/2010
MICROFLUIDIC DEVICES	JP	Withdrawn	2012-204765	5/11/2007	2013015536	1/24/2013
MICROFLUIDIC DEVICES	JP	Granted	2015-79308	5/11/2007	6023252	11/9/2016
MICROFLUIDIC DEVICES	JP	Published	2016-197852	5/11/2007	2017006145	1/12/2017
MICROFLUIDIC DEVICES	WO	NAT PHASE	PCT/US07/11460	5/11/2007	WO2008063227	5/29/2008

PATENT ASSIGNMENT

MICROFLUIDIC DEVICES	WO	NAT PHASE	PCT/US07/11462	5/11/2007	WO2007133710	11/22/2007
DROPLET LIBRARIES	EP	Published	9790559	7/17/2009	2315629	5/4/2011
DROPLET LIBRARIES	WO	NAT PHASE	US09/50931	7/17/2009	9365	1/21/2010
MANIPULATION OF MICROFLUIDIC DROPLETS	EP	Published	10713394.4	3/23/2010	2411148	2/1/2012
MANIPULATION OF MICROFLUIDIC DROPLETS	WO	NAT PHASE	PCT/US10/28252	3/23/2010	WO2010111231	9/30/2010
LABELLED SILICA-BASED NANOMATERIAL WITH ENHANCED PROPERTIES AND USES THEREOF	WO	NAT PHASE	EP10/65188	10/11/2010	WO2011042564	4/14/2011
MICROFLUIDIC SYSTEMS AND METHODS FOR REDUCING THE EXCHANGE OF MOLECULES BETWEEN DROPLETS	EP	Published	10840105	12/22/2010	2517025	10/31/2012
MICROFLUIDIC SYSTEMS AND METHODS FOR REDUCING THE EXCHANGE OF MOLECULES BETWEEN DROPLETS	WO	NAT PHASE	PCT/US10/61741	12/22/2010	WO2011079176	6/30/2011
DIGITAL ANALYTE ANALYSIS	CA	Published	2789425	2/11/2011	2789425	8/18/2011
DIGITAL ANALYTE ANALYSIS	EP	Published	11742907.6	2/11/2011	2534267	12/19/2012
DIGITAL ANALYTE ANALYSIS	JP	Granted	2012-553050	2/11/2011	2013-521764	6/13/2013
DIGITAL ANALYTE ANALYSIS	JP	Published	2016-93744	2/11/2011	2016-146845	8/18/2016
DIGITAL ANALYTE ANALYSIS	WO	NAT PHASE	PCT/US11/24615	2/11/2011	WO2011100604	8/18/2011

PATENT ASSIGNMENT

SANDWICH ASSAYS IN DROPLETS	EP	Published	11830018.5	9/30/2011	2622103	8/7/2013
SANDWICH ASSAYS IN DROPLETS	WO	NAT PHASE	PCT/US11/54353	9/30/2011	WO2012045012	4/5/2012
THERMOCYCLING DEVICE FOR NUCLEIC ACID AMPLIFICATION AND METHODS OF USE	EP	Published	12745236.5	2/10/2012	2673382	12/18/2013
METHODS FOR FORMING MIXED DROPLETS	EP	Published	12745382.7	2/10/2012	2673614	12/18/2013
THERMOCYCLING DEVICE FOR NUCLEIC ACID AMPLIFICATION AND METHODS OF USE	WO	NAT PHASE	PCT/US12/024745	2/10/2012	WO2012109604	8/16/2012
METHODS FOR FORMING MIXED DROPLETS	WO	NAT PHASE	PCT/US12/24741	2/10/2012	WO2012109600	8/16/2012
COMPOSITIONS AND METHODS FOR MOLECULAR LABELING	WO	Withdrawn	PCT/US12/25258	2/15/2012		
COMPOSITIONS AND METHODS FOR MOLECULAR LABELING	EP	Published	12746483.2	2/16/2012	2675819	12/25/2013
COMPOSITIONS AND METHODS FOR MOLECULAR LABELING	WO	NAT PHASE	PCT/US12/25499	2/16/2012	WO2012112804	8/23/2012
ENZYME QUANTIFICATION	DE	Granted	12792253.2	6/1/2012	2714970	4/9/2014
ENZYME QUANTIFICATION	EP	VALIDATED	12792253.2	6/1/2012	2714970	4/9/2014
ENZYME QUANTIFICATION	EP	Pending	14766361	6/1/2012		
ENZYME QUANTIFICATION	FR	Granted	12792253.2	6/1/2012	2714970	4/9/2014
ENZYME QUANTIFICATION	GB	Granted	12792253.2	6/1/2012	2714970	4/9/2014
ENZYME QUANTIFICATION	WO	NAT PHASE	PCT/US12/40543	6/1/2012	WO2012167142	12/6/2012

PATENT ASSIGNMENT

MOLECULAR DIAGNOSTIC SCREENING ASSAY	EP	Published	13746127.3	2/11/2013	2823303	1/14/2015
MOLECULAR DIAGNOSTIC SCREENING ASSAY	WO	NAT PHASE	PCT/US13/25608	2/11/2013	WO2013120089	8/15/2013
LABELING AND SAMPLE PREPARATION FOR SEQUENCING	EP	Allowed	13751450.1	2/22/2013	2817418	12/31/2014
LABELING AND SAMPLE PREPARATION FOR SEQUENCING	WO	NAT PHASE	PCT/US13/27381	2/22/2013	WO2013126741	8/29/2013
DIGITAL ANALYTE ANALYSIS	EP	Published	13784421.3	4/23/2013	2844768	3/11/2015
DIGITAL ANALYTE ANALYSIS	WO	NAT PHASE	PCT/US13/37751	4/23/2013	WO2013165748	11/7/2013
SYSTEMS AND METHODS FOR HANDLING MICROFLUIDIC DROPLETS	EP	Published	14778430	4/2/2014	2981349	2/10/2016
SYSTEMS AND METHODS FOR HANDLING MICROFLUIDIC DROPLETS	WO	NAT PHASE	PCT/US14/32614	4/2/2014	WO2014165559	10/9/2014
RARE CELL ANALYSIS AFTER NEGATIVE SELECTION	WO	NAT PHASE	PCT/US14/32983	4/4/2014	WO2014165762	10/9/2014
DIGITAL ANALYTE ANALYSIS	EP	Published	14784827.9	4/14/2014	2986762	2/24/2016
DIGITAL ANALYTE ANALYSIS	WO	NAT PHASE	PCT/US14/34037	4/14/2014	WO2014172288	10/23/2014
DIGITAL ANALYTE ANALYSIS	WO	NAT PHASE	PCT/US14/34205	4/15/2014	WO2014172373	10/23/2014
SYSTEM AND METHOD FOR DETECTION OF RNA SPECIES	EP	Published	14876167.9	12/31/2014	3090063	11/9/2016

PATENT ASSIGNMENT

SYSTEM AND METHOD FOR DETECTION OF RNA SPECIES	WO	NAT PHASE	PCT/US14/72947	12/31/2014	WO2015103367	7/9/2015
MULTIPLEXING IN PARTITIONS USING MICROPARTICLES	WO	Pending	PCT/US16/65430	12/7/2016	WO2017100350	6/15/2017

61799637
62814303 v1