

PATENT ASSIGNMENT COVER SHEET

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Assignment ID: PATI63646

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Micronics, Inc.	09/28/2018
RECEIVING PARTY DATA	
Company Name:	PerkinElmer Health Sciences, Inc.
Street Address:	940 Winter St
City:	Waltham
State/Country:	MASSACHUSETTS
Postal Code:	02451
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15804869
CORRESPONDENCE DATA	
Fax Number:	
<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:	7816635760
Email:	rita.sullivan@revvity.com
Correspondent Name:	Rita Sullivan
Address Line 1:	940 Winter St
Address Line 4:	Waltham, MASSACHUSETTS 02451
NAME OF SUBMITTER:	Rita Sullivan
SIGNATURE:	Rita Sullivan
DATE SIGNED:	03/01/2024
Total Attachments: 8	
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ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, Micronics, Inc., a Delaware Corporation, for itself, its assigns and legal representatives ("Assignor") hereby:

1. Sells, assigns and transfers to PerkinElmer Health Sciences, Inc., a Delaware corporation having a place of business at 940 Winter Street, Waltham, Massachusetts 02451, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, and Assignee accepts, Micronics' 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 patents and patent applications identified in **Schedule A** to this Assignment, 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 designs; 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 and designs, 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, including a reasonable royalty relating to provisional rights under 35 U.S.C. § 154(d) that have attached to any published United States patent application, on the inventions and designs;
2. Agrees that the Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for the inventions and designs in its own name;
3. Requests the Director of the United States Patent and Trademark Office and foreign patent authorities to issue the Letters Patent or other intellectual property rights, including foreign patents, to the Assignee;
4. Appoints Assignee, through its designee, its attorney-in-fact to execute, in its name and on its behalf, any and all documents required to effectuate this Assignment, specifically 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.

Micronics, Inc.

By: 

Name: Andy Tseng

Title: President

PerkinElmer Health Sciences, Inc.

By: _____

Name: Mary Elizabeth Potthoff

Title: Assistant Secretary, Vice President

Micronics, Inc.

By: _____

Name: Andy Tseng

Title: President

PerkinElmer Health Sciences, Inc.

By: Mary Elizabeth Potthoff

Name: Mary Elizabeth Potthoff

Title: Assistant Secretary, Vice President

Schedule A

See attached.

United States of America	60/441873	21-Jan-2003					A METHOD AND SYSTEM FOR MICROFLUIDIC BLOOD TYPING ASSAYS, SUCH AS
United States of America	10/762586	21-Jan-2004	20050013732	20-Jan-2005	7416892	26-Aug-2008	METHOD AND SYSTEM FOR MICROFLUIDIC MANIPULATION, AMPLIFICATION AND
Australia	2004205671	21-Jan-2004					METHOD AND SYSTEM FOR MICROFLUIDIC MANIPULATION, AMPLIFICATION AND
Canada	2513880	21-Jan-2004					METHOD AND SYSTEM FOR MICROFLUIDIC MANIPULATION, AMPLIFICATION AND
European Patent Convention	04704110.8	21-Jan-2004	1592505	09-Nov-2005			METHOD AND SYSTEM FOR MICROFLUIDIC MANIPULATION, AMPLIFICATION AND
Hong Kong	06105316.0	21-Jan-2004	1083083	23-Jun-2006			METHOD AND SYSTEM FOR MICROFLUIDIC MANIPULATION, AMPLIFICATION AND
India	1405/KOLNP/2005	21-Jan-2004					METHOD AND SYSTEM FOR MICROFLUIDIC MANIPULATION, AMPLIFICATION AND
Japan	2006-501090	21-Jan-2004	2006-520190	07-Sep-2006			METHOD AND SYSTEM FOR MICROFLUIDIC MANIPULATION, AMPLIFICATION AND
Korea, Republic of	10-2005-7013502	21-Jan-2004					METHOD AND SYSTEM FOR MICROFLUIDIC MANIPULATION, AMPLIFICATION AND
United States of America	60/441906	21-Jan-2003					A METHOD AND SYSTEM FOR MICROFLUIDIC BLOOD PLATELET BACTERIA ASSAYS
Patent: Cooperation Treaty	US2004/001639	21-Jan-2004	WO2004/065010	05-Aug-2004			METHOD AND SYSTEM FOR MICROFLUIDIC MANIPULATION, AMPLIFICATION AND
United States of America	10/862826	07-Jun-2004	20050129582	16-Jun-2005	7544506	09-Jun-2009	SYSTEM AND METHOD FOR HEATING, COOLING AND HEAT CYCLING ON MICROFLUIDIC
Australia	2004245094	07-Jun-2004					SYSTEM AND METHOD FOR HEATING, COOLING AND HEAT CYCLING ON MICROFLUIDIC
United States of America	12/199513	27-Aug-2008	20090081771	26-Mar-2009	7648835	19-Jan-2010	SYSTEM AND METHOD FOR HEATING, COOLING AND HEAT CYCLING ON MICROFLUIDIC
Canada	2528208	07-Jun-2004					SYSTEM AND METHOD FOR HEATING, COOLING AND HEAT CYCLING ON MICROFLUIDIC
China (People's Republic)	200480018164.1	07-Jun-2004	CN1812839A	02-Aug-2006			SYSTEM AND METHOD FOR HEATING, COOLING AND HEAT CYCLING ON MICROFLUIDIC
European Patent Convention	04776322.2	07-Jun-2004	1633481	15-Mar-2006			SYSTEM AND METHOD FOR HEATING, COOLING AND HEAT CYCLING ON MICROFLUIDIC
Hong Kong	06110168.9	07-Jun-2004	1087965	27-Oct-2006			SYSTEM AND METHOD FOR HEATING, COOLING AND HEAT CYCLING ON MICROFLUIDIC
Japan	2006-515242	07-Jun-2004			4758891	10-Jun-2011	SYSTEM AND METHOD FOR HEATING, COOLING AND HEAT CYCLING ON MICROFLUIDIC
Korea, Republic of	10-2005-7023458	07-Jun-2004			10-1203402	15-Nov-2012	SYSTEM AND METHOD FOR HEATING, COOLING AND HEAT CYCLING ON MICROFLUIDIC
United States of America	60/476352	06-Jun-2003					SYSTEM AND METHOD FOR HEATING, COOLING AND HEAT CYCLING ON MICROFLUIDIC
Russian Federation	2005141456	07-Jun-2004					SYSTEM AND METHOD FOR HEATING, COOLING AND HEAT CYCLING ON MICROFLUIDIC
Patent: Cooperation Treaty	US2004/017943	07-Jun-2004	WO2004/108287	16-Dec-2004			SYSTEM AND METHOD FOR HEATING, COOLING AND HEAT CYCLING ON MICROFLUIDIC
United States of America	09/219577	23-Dec-1998			6091502	18-Jul-2000	DEVICE AND METHOD FOR PERFORMING SPECTRAL MEASUREMENTS IN FLOW CELLS
Canada	2353985	21-Dec-1999					DEVICE AND METHOD FOR PERFORMING SPECTRAL MEASUREMENTS IN FLOW CELLS
European Patent Convention	99968931.8	21-Dec-1999					DEVICE AND METHOD FOR PERFORMING SPECTRAL MEASUREMENTS IN FLOW CELLS
Japan	2000-591422	21-Dec-1999					DEVICE AND METHOD FOR PERFORMING SPECTRAL MEASUREMENTS IN FLOW CELLS
Patent: Cooperation Treaty	US99/30506	21-Dec-1999	WO00/39573	06-Jul-2000			FLUIDIC DRIVER SYSTEM FOR MICROFLUIDIC CARTRIDGES
United States of America	09/526629	16-Mar-2000					FLUIDIC DRIVER SYSTEM FOR MICROFLUIDIC CARTRIDGES
United States of America	60/125170	19-Mar-1999					PULSE DAMPER
Patent: Cooperation Treaty	US00/06809	16-Mar-2000	WO00/57173	28-Sep-2000			PUMPLESS MICROFLUIDICS
United States of America	09/415404	08-Oct-1999					PUMPLESS MICROFLUIDICS
United States of America	10/171518	12-Jun-2002					MICROFLUIDIC ANALYSIS CARTRIDGE
United States of America	09/804777	13-Mar-2001	20010046453	29-Nov-2001	6488896	03-Dec-2002	MICROFLUIDIC ANALYSIS CARTRIDGE
Germany	01922363.5	13-Mar-2001	60141454.3		1263533	03-Mar-2010	MICROFLUIDIC ANALYSIS CARTRIDGE
European Patent Convention	01922363.5	13-Mar-2001	1263533		1263533	03-Mar-2010	MICROFLUIDIC ANALYSIS CARTRIDGE
France	01922363.5	13-Mar-2001	1263533		1263533	03-Mar-2010	MICROFLUIDIC ANALYSIS CARTRIDGE
United Kingdom	01922363.5	13-Mar-2001	1263533		1263533	03-Mar-2010	MICROFLUIDIC ANALYSIS CARTRIDGE
Japan	2001-566790	13-Mar-2001	2004-501342	15-Jan-2004	4733331	28-Apr-2011	MICROFLUIDIC ANALYSIS CARTRIDGE
United States of America	60/189163	14-Mar-2000					MICROFLUIDING ANALYSIS CARTRIDGE
Patent: Cooperation Treaty	US2001/007968	13-Mar-2001	WO2001/68238	20-Sep-2001			MICROFLUIDIC ANALYSIS CARTRIDGE
United States of America	09/822595	30-Mar-2001	20010027745	11-Oct-2001	6409832	25-Jun-2002	PROTEIN CRYSTALLIZATION IN MICROFLUIDIC STRUCTURES
Australia	2001251218	30-Mar-2001					PROTEIN CRYSTALLIZATION IN MICROFLUIDIC STRUCTURES
Australia	2006202941	30-Mar-2001					PROTEIN CRYSTALLIZATION IN MICROFLUIDIC STRUCTURES
United States of America	10/163148	09-Jun-2002	2000075101	24-Apr-2003			PROTEIN CRYSTALLIZATION IN MICROFLUIDIC STRUCTURES
United States of America	10/973833	26-Oct-2004					PROTEIN CRYSTALLIZATION IN MICROFLUIDIC STRUCTURES
Canada	2404008	30-Mar-2001					PROTEIN CRYSTALLIZATION IN MICROFLUIDIC STRUCTURES
European Patent Convention	01924572.9	30-Mar-2001					PROTEIN CRYSTALLIZATION IN MICROFLUIDIC STRUCTURES
Japan	2001-572846	30-Mar-2001	2004-500241	08-Jan-2004	4927287	17-Feb-2012	PROTEIN CRYSTALLIZATION IN MICROFLUIDIC STRUCTURES
United States of America	60/193867	31-Mar-2000					PROTEIN CRYSTALLIZATION IN MICROFLUIDIC STRUCTURES
Patent: Cooperation Treaty	US2001/010565	30-Mar-2001	WO2001/75415	11-Oct-2001			PROTEIN CRYSTALLIZATION IN MICROFLUIDIC STRUCTURES
United States of America	60/206878	24-May-2000					MICROFLUIDIC SYSTEMS AND METHODS
Patent: Cooperation Treaty	60/213865	23-Jun-2000					MICROFLUIDIC SYSTEMS AND METHODS
United States of America	60/233396	18-Sep-2000					MICROFLUIDIC SYSTEMS AND METHODS
United States of America	60/281114	03-Apr-2001					MICROFLUIDIC SYSTEMS AND METHODS
United States of America	60/313479	20-Aug-2001					MICROFLUIDIC SYSTEMS AND METHODS
United States of America	60/364343	14-Mar-2002					MICROFLUIDIC SYSTEMS AND METHODS
United States of America	09/677250	02-Oct-2000			6431212	13-Aug-2002	VALVE FOR USE IN MICROFLUIDIC STRUCTURES
United States of America	10/200039	19-Jul-2002					VALVE FOR USE IN MICROFLUIDIC STRUCTURES
Canada	2408353	16-May-2001					VALVE FOR USE IN MICROFLUIDIC STRUCTURES
European Patent Convention	01937440.4	16-May-2001	1289658		1289658	12-Jul-2017	VALVE FOR USE IN MICROFLUIDIC STRUCTURES
Japan	2001-585927	16-May-2001					VALVE FOR USE IN MICROFLUIDIC STRUCTURES
Patent: Cooperation Treaty	US2001/015791	16-May-2001	WO2001/089695	29-Nov-2001			VALVE FOR USE IN MICROFLUIDIC STRUCTURES
United States of America	09/684094	06-Oct-2000			6743399	01-Jun-2004	PUMPLESS MICROFLUIDICS
United States of America	10/777490	12-Feb-2004					PUMPLESS MICROFLUIDICS
United States of America	10/821267	08-Apr-2004	050045479	03-Mar-2005			PUMPLESS MICROFLUIDICS
Patent: Cooperation Treaty	US00/27898	06-Oct-2000	WO01/26813	19-Apr-2001			PUMPLESS MICROFLUIDICS
United States of America	10/035755	24-Dec-2001	0114739	22-Aug-2002			MICROFLUIDICS CARTRIDGE WITH INTEGRATED ELECTRONICS
United States of America	60/258289	26-Dec-2000					MICROFLUIDICS CARTRIDGE WITH INTEGRATED ELECTRONICS
Patent: Cooperation Treaty	US01/49908	24-Dec-2001	02/059625	01-Aug-2002			MICROFLUIDIC CARTRIDGE WITH INTEGRATED ELECTRONICS
United States of America	09/864046	23-May-2001	010048900	06-Dec-2001			JET VORTEX MIXER
Patent: Cooperation Treaty	US01/16591	23-May-2001	WO01/89675	29-Nov-2001			JET VORTEX MIXER
United States of America	09/864023	23-May-2001	020003001	10-Jan-2002			SURFACE TENSION VALVES FOR MICROFLUIDIC APPLICATIONS
United States of America	10/161095	03-Jun-2002					SURFACE TENSION VALVES FOR MICROFLUIDIC APPLICATIONS
Patent: Cooperation Treaty	US01/16673	23-May-2001	01/90614	29-Nov-2001			SURFACE TENSION VALVES FOR MICROFLUIDIC APPLICATIONS
United States of America	09/864099	23-May-2001	20020025279	28-Feb-2002	6557427	06-May-2003	CAPILLARIES FOR FLUID MOVEMENT WITHIN MICROFLUIDIC CHANNELS
Patent: Cooperation Treaty	US01/16802	23-May-2001	WO01/89691	29-Nov-2001			CAPILLARIES FOR FLUID MOVEMENT WITHIN MICROFLUIDIC CHANNELS
United States of America	09/865093	24-May-2001	0046701	29-Nov-2001			NUCLEIC ACID AMPLIFICATION AND DETECTION USING MICROFLUIDIC DIFFUSION BASED
Patent: Cooperation Treaty	US01/171133	24-May-2001	WO01/89692	29-Nov-2001			NUCLEIC ACID AMPLIFICATION AND DETECTION USING MICROFLUIDIC DIFFUSION BASED
United States of America	09/864985	24-May-2001	0119078	29-Aug-2002			DEVICE AND METHOD FOR ADDRESSING A MICROFLUIDIC CARTRIDGE
Patent: Cooperation Treaty	US01/17040	24-May-2001	WO01/89682	29-Nov-2001			DEVICE AND METHOD FOR ADDRESSING A MICROFLUIDIC CARTRIDGE
United States of America	09/863674	23-May-2001	010042712	22-Nov-2001			MICROFLUIDIC CONCENTRATION GRADIENT LOOP
United States of America	11/492683	24-Jul-2006					MICROFLUIDIC CONCENTRATION GRADIENT LOOP
Canada	2408574	23-May-2001					MICROFLUIDIC CONCENTRATION GRADIENT LOOP
European Patent Convention	01939284.4	23-May-2001					MICROFLUIDIC CONCENTRATION GRADIENT LOOP
Japan	2001-585928	23-May-2001					MICROFLUIDIC CONCENTRATION GRADIENT LOOP
Patent: Cooperation Treaty	US01/16590	23-May-2001					MICROFLUIDIC CONCENTRATION GRADIENT LOOP
United States of America	09/887820	22-Jun-2001	20010054702	27-Dec-2001	6581899	24-Jun-2003	VALVE FOR USE IN MICROFLUIDIC STRUCTURES
United States of America	10/438257	13-May-2003	0197139	23-Oct-2003			VALVE FOR USE IN MICROFLUIDIC STRUCTURES
Patent: Cooperation Treaty	US01/20004	22-Jun-2001	WO02/01081	03-Jan-2002			VALVE FOR USE IN MICROFLUIDIC STRUCTURES
United States of America	09/888754	25-Jun-2001	0008032	24-Jan-2002			FEEDBACK CONTROL FOR MICROFLUIDIC CARTRIDGES
Patent: Cooperation Treaty	US01/20185	25-Jun-2001	WO02/01163	03-Jan-2002			FEEDBACK CONTROL FOR MICROFLUIDIC CARTRIDGES CROSS-REFERENCE TO RELATED
United States of America	09/887886	22-Jun-2001	020015959	07-Feb-2002			FLUID MIXING IN MICROFLUIDIC STRUCTURES
Patent: Cooperation Treaty	US01/19954	22-Jun-2001	WO02/01184	03-Jan-2002			FLUID MIXING IN MICROFLUIDIC STRUCTURES
United States of America	09/954405	17-Sep-2001	020041831	11-Apr-2002			EXTERNALLY CONTROLLABLE SURFACE COATINGS FOR MICROFLUIDIC DEVICES
Patent: Cooperation Treaty	US01/28987	17-Sep-2001	WO02022267	21-Mar-2002			EXTERNALLY CONTROLLABLE SURFACE COATINGS FOR MICROFLUIDICS DEVICES
United States of America	09/864745	24-May-2001	0048637	06-Dec-2001			MICROFLUIDIC SYSTEM AND METHOD
United States of America	09/956591	18-Sep-2001	020052049	02-May-2002			MICROFLUIDIC SEPARATION DEVICE
United States of America	09/956485	18-Sep-2001	020048535	25-Apr-2002			ROTATION DEVICE FOR SEQUENTIAL MICROFLUIDIC REACTION
United States of America	09/888727	25-Jun-2001	010055546	27-Dec-2001			METHOD AND APPARATUS FOR CONTROLLING FLUID FLOW RATE IN A MICROFLUIDIC
European Patent Convention	02753344.7	20-Jun-2002					METHOD AND APPARATUS FOR CONTROLLING FLUID FLOW RATE IN A MICROFLUIDIC
Hong Kong	04107823.4	20-Jun-2002	1064979A	08-Feb-2005			METHOD AND APPARATUS FOR CONTROLLING FLUID FLOW RATE IN A MICROFLUIDIC
Japan	2003-507029	20-Jun-2002					METHOD AND APPARATUS FOR CONTROLLING FLUID FLOW RATE IN A MICROFLUIDIC
Patent: Cooperation Treaty	US02/19482	20-Jun-2002	WO03000392	03-Jan-2003			WELL-PLATE MICROFLUIDICS
United States of America	09/932687	17-Aug-2001	20030034306	20-Feb-2003	6742661	01-Jun-2004	WELL-PLATE MICROFLUIDICS
United States of America	10/789376	27-Feb-2004	20040229378	18-Nov-2004			WELL-PLATE MICROFLUIDICS
European Patent Convention	02739120.0	01-Apr-2002					WELL-PLATE MICROFLUIDICS
Patent: Cooperation Treaty	US02/10083	01-Apr-2002	WO02081085	17-Oct-2002			WELL-PLATE WITH MICROFLUIDICS STRUCTURES
United States of America	10/114890	03-Apr-2002	020148992	17-Oct-2002			PNEUMATIC VALVE INTERFACE FOR USE IN MICROFLUIDIC STRUCTURES
United States of America	10/960890	06-Oct-2004	050205816	22-Sep-2005			PNEUMATIC VALVE INTERFACE FOR USE IN MICROFLUIDIC STRUCTURES

European Patent Convention	02763925.1	03-Apr-2002					PNEUMATIC VALVE INTERFACE FOR USE IN MICROFLUIDIC STRUCTURES
Japan	2002-579674	03-Apr-2002	05-509113	07-Apr-2005			PNEUMATIC VALVE INTERFACE FOR USE IN MICROFLUIDIC STRUCTURES
Patent Cooperation Treaty	US02/10509	03-Apr-2002	WO02081934	17-Oct-2002			PNEUMATIC VALVE INTERFACE FOR USE IN MICROFLUIDIC STRUCTURES
United States of America	10/114765	03-Apr-2002	02017262	21-Nov-2002			MICROFLUIDIC DEVICE FOR CONCENTRATING PARTICLES IN A CONCENTRATING
United States of America	11/122139	04-May-2005	050201903	15-Sep-2005			MICROFLUIDIC DEVICE FOR CONCENTRATING PARTICLES IN A CONCENTRATING
United States of America	10/115320	03-Apr-2002	020150518	31-Oct-2002			MICROFLUIDIC SEDIMENTATION
United States of America	10/114864	03-Apr-2002	020150502	17-Oct-2002			SURFACE TENSION REDUCTION CHANNEL
United States of America	10/114790	03-Apr-2002	20020149766	17-Oct-2002	6674525	06-Jan-2004	SPLIT FOCUSING CYTOMETER
Germany	02719428.1	03-Apr-2002	60227649.7		1377811	16-Jul-2008	SPLIT FOCUSING CYTOMETER
European Patent Convention	02719428.1	03-Apr-2002			1377811	16-Jul-2008	SPLIT FOCUSING CYTOMETER
United Kingdom	02719428.1	03-Apr-2002	1377811		1377811	16-Jul-2008	SPLIT FOCUSING CYTOMETER
Japan	2002-579778	03-Apr-2002			3949056	27-Apr-2007	SPLIT FOCUSING CYTOMETER
Patent Cooperation Treaty	US2002/010508	03-Apr-2002	WO2002082057	17-Oct-2002			SPLIT FOCUSING CYTOMETER
United States of America	10/115374	03-Apr-2002	020159920	31-Oct-2002			MULTIPLE REDUNDANT MICROFLUIDIC STRUCTURES
United States of America	60/439825	14-Jan-2003					MICROFLUIDIC SYSTEMS AND METHODS
Patent Cooperation Treaty	US2004/001063	14-Jan-2004	WO2004/065930	05-Aug-2004			MICROFLUIDIC DEVICES FOR FLUID MANIPULATION AND ANALYSIS
United States of America	10/757767	14-Jan-2004					MICROFLUIDIC DEVICES FOR FLUID MANIPULATION AND ANALYSIS
United States of America	10/870717	17-Jun-2004	20050106066	19-May-2005	7419638	02-Sep-2008	MICROFLUIDIC DEVICES FOR FLUID MANIPULATION AND ANALYSIS
United States of America	12/182434	30-Jul-2008	20090022624	22-Jan-2009			MICROFLUIDIC DEVICES FOR FLUID MANIPULATION AND ANALYSIS
United States of America	13/225280	02-Sep-2011	20120064612	15-Mar-2012	8557198	15-Oct-2013	MICROFLUIDIC DEVICES FOR FLUID MANIPULATION AND ANALYSIS
United States of America	12/685582	11-Jan-2010	20100173395	08-Jul-2010	8318109	27-Nov-2012	MICROFLUIDIC DEVICES FOR FLUID MANIPULATION AND ANALYSIS
United States of America	14/020670	06-Sep-2013	20140010736	09-Jan-2014	8697009	15-Apr-2014	MICROFLUIDIC DEVICES FOR FLUID MANIPULATION AND ANALYSIS
United States of America	14/181485	14-Feb-2014	20140370581	18-Dec-2014			MICROFLUIDIC DEVICES FOR FLUID MANIPULATION AND ANALYSIS
Germany	05760971.1	15-Jun-2005	602005022878.0		1773481	11-Aug-2010	MICROFLUIDIC DEVICES FOR FLUID MANIPULATION AND ANALYSIS
European Patent Convention	05760971.1	15-Jun-2005	1773481	18-Apr-2007	1773481	11-Aug-2010	MICROFLUIDIC DEVICES FOR FLUID MANIPULATION AND ANALYSIS
France	05760971.1	15-Jun-2005	1773481		1773481	11-Aug-2010	MICROFLUIDIC DEVICES FOR FLUID MANIPULATION AND ANALYSIS
United Kingdom	05760971.1	15-Jun-2005	1773481		1773481	11-Aug-2010	MICROFLUIDIC DEVICES FOR FLUID MANIPULATION AND ANALYSIS
India	183/KOLNP/2007	15-Jun-2005					MICROFLUIDIC DEVICES FOR FLUID MANIPULATION AND ANALYSIS
Japan	2007-516671	15-Jun-2005	2008-503722	07-Feb-2008	4885852	16-Dec-2011	MICROFLUIDIC DEVICES FOR FLUID MANIPULATION AND ANALYSIS
Patent Cooperation Treaty	US2005/021092	15-Jun-2005	WO2006/009724	26-Jan-2006			MICROFLUIDIC DEVICES FOR FLUID MANIPULATION AND ANALYSIS
Australia	2004205887	14-Jan-2004					MICROFLUIDIC DEVICES FOR FLUID MANIPULATION AND ANALYSIS
Canada	2513424	14-Jan-2004					MICROFLUIDIC DEVICES FOR FLUID MANIPULATION AND ANALYSIS
European Patent Convention	04702227.2	14-Jan-2004	1587623	26-Oct-2005			MICROFLUIDIC DEVICES FOR FLUID MANIPULATION AND ANALYSIS
Hong Kong	06104811.3	14-Jan-2004	1082456	09-Jun-2006			MICROFLUIDIC DEVICES FOR FLUID MANIPULATION AND ANALYSIS
India	1376/KOLNP/05	14-Jan-2004					MICROFLUIDIC DEVICES FOR FLUID MANIPULATION AND ANALYSIS
Japan	2006-500972	14-Jan-2004	2006-517029	13-Jul-2006			MICROFLUIDIC DEVICES FOR FLUID MANIPULATION AND ANALYSIS
Korea, Republic of	10-2005-7013087	14-Jan-2004					MICROFLUIDIC DEVICES FOR FLUID MANIPULATION AND ANALYSIS
United States of America	10/370433	20-Feb-2003	20030175990	18-Sep-2003	7223371	29-May-2007	MICROFLUIDIC CHANNEL NETWORK DEVICE
European Patent Convention	03716414.2	10-Mar-2003	1487581	22-Dec-2004	1487581	22-Aug-2007	MICROFLUIDIC CHANNEL NETWORK DEVICE
United Kingdom	03716414.2	10-Mar-2003	1487581	22-Dec-2004	1487581	22-Aug-2007	MICROFLUIDIC CHANNEL NETWORK DEVICE
Japan	2003-576111	10-Mar-2003					MICROFLUIDIC CHANNEL NETWORK DEVICE
Patent Cooperation Treaty	US2003/007226	10-Mar-2003	WO2003/078065	25-Sep-2003			MICROFLUIDIC CHANNEL NETWORK DEVICE
United States of America	10/370902	20-Feb-2003	20030175980	18-Sep-2003			RIBBON FLOW CYTOMETRY AND CELL SORTING
Germany	03744624.2	10-Mar-2003	60311968.9		1483564	21-Feb-2007	RIBBON FLOW CYTOMETRY AND CELL SORTING
European Patent Convention	03744624.2	10-Mar-2003	1483564	08-Dec-2004	1483564	21-Feb-2007	RIBBON FLOW CYTOMETRY AND CELL SORTING
France	03744624.2	10-Mar-2003			1483564	21-Feb-2007	RIBBON FLOW CYTOMETRY AND CELL SORTING
United Kingdom	03744624.2	10-Mar-2003			1483564	21-Feb-2007	RIBBON FLOW CYTOMETRY AND CELL SORTING
Italy	03744624.2	10-Mar-2003	25787/BE/2007		1483564	21-Feb-2007	RIBBON FLOW CYTOMETRY AND CELL SORTING
Japan	2003-576932	10-Mar-2003					RIBBON FLOW CYTOMETRY AND CELL SORTING
Patent Cooperation Treaty	US2003/07173	10-Mar-2003	WO03078972	25-Sep-2003			RIBBON FLOW CYTOMETRY AND CELL SORTING
United States of America	60/448986	20-Feb-2003					FLUID CONCENTRATION IN A MICROFLUIDIC DEVICE
United States of America	60/448985	20-Feb-2003					MICROFLUIDIC STRUCTURE WITH COATED SURFACE
United States of America	11/331587	13-Jan-2006	20060246575	02-Nov-2006			MICROFLUIDIC RARE CELL DETECTION DEVICE
Australia	2006204858	13-Jan-2006					MICROFLUIDIC RARE CELL DETECTION DEVICE
European Patent Convention	06718302.0	13-Jan-2006	1846163	24-Oct-2007			MICROFLUIDIC RARE CELL DETECTION DEVICE
Japan	2007-551398	13-Jan-2006	2008-526255	24-Jul-2008			MICROFLUIDIC RARE CELL DETECTION DEVICE
United States of America	60/643833	13-Jan-2005					MICROFLUIDIC RARE CELL DETECTION DEVICE
Patent Cooperation Treaty	US2006/001211	13-Jan-2006	WO2006/076567	21-Sep-2006			MICROFLUIDIC RARE CELL DETECTION DEVICE
United States of America	11/416791	03-May-2006	20070042427	22-Feb-2007			MICROFLUIDIC LAMINAR FLOW DETECTION STRIP
United States of America	60/677531	03-May-2005					LAMINAR FLOW DETECTION STRIP
Patent Cooperation Treaty	US2006/017064	03-May-2006	WO2006/130299	07-Dec-2006			MICROFLUIDIC LAMINAR FLOW DETECTION STRIP
United States of America	11/562511	22-Nov-2006	20070183935	09-Aug-2007	7763453	27-Jul-2010	MICROFLUIDIC MIXING AND ANALYTIC APPARATUS
United States of America	13/099187	02-May-2011	20120064597	15-Mar-2012	9468894	18-Oct-2016	MICROFLUIDIC MIXING AND ANALYTIC APPARATUS
United States of America	12/685546	11-Jan-2010	20100167384	01-Jul-2010	7955836	07-Jun-2011	MICROFLUIDIC MIXING AND ANALYTIC APPARATUS
United States of America	60/740697	30-Nov-2005					MICROFLUIDIC CELL CAPTURE AND MIXING CIRCUIT
Patent Cooperation Treaty	US2006/045529	27-Nov-2006	WO2007/064635	07-Jun-2007			MICROFLUIDIC MIXING AND ANALYTIC APPARATUS AND METHOD FOR AFFINITY
United States of America	11/622733	12-Jan-2007	20070178529	02-Aug-2007			ELECTROMAGNETICALLY ACTUATED VALVES FOR USE IN MICROFLUIDIC STRUCTURES
United States of America	60/758656	13-Jan-2006					ELECTROMAGNETICALLY ACTUATED VALVE FOR USE IN MICROFLUIDIC STRUCTURES
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United States of America	12/203779	03-Sep-2008	20090148847	11-Jun-2009			RAPID MAGNETIC FLOW ASSAYS
United States of America	60/782649	15-Mar-2006					RAPID MAGNETIC FLOW ASSAYS
Patent Cooperation Treaty	US2007/006585	15-Mar-2007	WO2007/106580	20-Sep-2007			RAPID MAGNETIC FLOW ASSAYS
United States of America	12/341637	22-Dec-2008	20090181411	16-Jul-2009	8110392	07-Feb-2012	METHODS AND DEVICES FOR MICROFLUIDIC POINT-OF-CARE IMMUNOASSAYS
Australia	2007265628	22-Jun-2007		03-Jan-2008	2007265628	25-Mar-2013	METHODS AND DEVICES FOR MICROFLUIDIC POINT-OF-CARE IMMUNOASSAYS
European Patent Convention	07809788.8	22-Jun-2007	2041573	01-Apr-2009			METHODS AND DEVICES FOR MICROFLUIDIC POINT-OF-CARE IMMUNOASSAYS
India	5056/KOLNP/2008	22-Jun-2007					METHODS AND DEVICES FOR MICROFLUIDIC POINT-OF-CARE IMMUNOASSAYS
United States of America	60/816204	23-Jun-2006					METHODS AND DEVICES FOR MICROFLUIDIC POINT-OF-CARE ASSAYS
Patent Cooperation Treaty	US2007/014522	22-Jun-2007	WO2008/002462	03-Jan-2008			METHODS AND DEVICES FOR MICROFLUIDIC POINT-OF-CARE IMMUNOASSAYS
United States of America	13/346615	09-Jan-2012	20120177543	12-Jul-2012	9056291	16-Jun-2015	MICROFLUIDIC REACTOR SYSTEM
United States of America	13/342859	03-Jan-2012	20120164627	28-Jun-2012			METHODS AND DEVICES FOR MICROFLUIDIC POINT-OF-CARE IMMUNOASSAYS
United States of America	14/708831	11-May-2015					MICROFLUIDIC REACTOR SYSTEM
United States of America	14/610493	30-Jan-2015	20150158026	11-Jun-2015			METHODS AND DEVICES FOR MICROFLUIDIC POINT-OF-CARE IMMUNOASSAYS
Patent Cooperation Treaty	US2013/020869	09-Jan-2013	WO2013/106458	18-Jul-2013			MICROFLUIDIC REACTOR SYSTEM
Korea, Republic of	10-2014-7018969	09-Jan-2013	10-2014-0110925	17-Sep-2014			MICROFLUIDIC REACTOR SYSTEM
Japan	2014-551425	09-Jan-2013	2015-510111	02-Apr-2015	6190822	10-Aug-2017	MICROFLUIDIC REACTOR SYSTEM
India	5410/CHENP/2014	09-Jan-2013					MICROFLUIDIC REACTOR SYSTEM
China (People's Republic)	201380011371.3	09-Jan-2013	CN104136123A	05-Nov-2014	21201380011371.3	01-Mar-2017	MICROFLUIDIC REACTOR SYSTEM
European Patent Convention	13703175.3	09-Jan-2013	2802417	19-Nov-2014			MICROFLUIDIC REACTOR SYSTEM
Australia	2007225038	15-Mar-2007			2007225038	12-Dec-2013	INTEGRATED NUCLEIC ACID ASSAYS
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United States of America	13/492612	08-Jun-2012	20120329142	27-Dec-2012	8772017	08-Jul-2014	INTEGRATED NUCLEIC ACID ASSAYS
Germany	07753229.9	15-Mar-2007	602007024950.3		2007905	22-Aug-2012	INTEGRATED NUCLEIC ACID ASSAYS
European Patent Convention	07753229.9	15-Mar-2007	2007905	31-Dec-2008	2007905	22-Aug-2012	INTEGRATED NUCLEIC ACID ASSAYS
European Patent Convention		15-Mar-2007					INTEGRATED NUCLEIC ACID ASSAYS
Spain	07753229.9	15-Mar-2007	ES2393758		2007905	22-Aug-2012	INTEGRATED NUCLEIC ACID ASSAYS
France	07753229.9	15-Mar-2007	2007905		2007905	22-Aug-2012	INTEGRATED NUCLEIC ACID ASSAYS
United Kingdom	07753229.9	15-Mar-2007	2007905		2007905	22-Aug-2012	INTEGRATED NUCLEIC ACID ASSAYS
Hong Kong	09105845.7	15-Mar-2007	1126824	11-Sep-2009	HK1126824	24-May-2013	INTEGRATED NUCLEIC ACID ASSAYS
India	3786/KOLNP/2008	15-Mar-2007					INTEGRATED NUCLEIC ACID ASSAYS
Italy	07753229.9	15-Mar-2007	73249/BE/2012		2007905	22-Aug-2012	INTEGRATED NUCLEIC ACID ASSAYS
Japan	2009-500496	15-Mar-2007	2009-529883	27-Aug-2009	5254949	26-Apr-2013	INTEGRATED NUCLEIC ACID ASSAYS
United States of America	60/844811	14-Sep-2006					INTEGRATED NUCLEIC ACID ASSAYS
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United States of America	12/411020	25-Mar-2009	20090325276	31-Dec-2009			INTEGRATED MICROFLUIDIC ASSAY DEVICES AND METHODS
United States of America	60/827186	27-Sep-2006					INTEGRATED MICROFLUIDIC ASSAY DEVICES AND METHODS
Patent Cooperation Treaty	US2007/020810	27-Sep-2007	WO2008/147382	04-Dec-2008			SYSTEM AND METHOD FOR DIAGNOSIS OF INFECTIOUS DISEASES
Australia	2007225103	14-Mar-2007					SYSTEM AND METHOD FOR DETECTION OF A NUCLEIC ACID
Australia	2006901314	14-Mar-2006					SYSTEM AND METHOD FOR DIAGNOSIS OF INFECTIOUS DISEASES
United States of America	12/203715	03-Sep-2008	20090061450	05-Mar-2009			SYSTEM AND METHOD FOR DIAGNOSIS OF INFECTIOUS DISEASES
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United States of America	12/695487	28-Jan-2010	20100274155	28-Oct-2010	8216832	10-Jul-2012	SANITARY SWAB COLLECTION SYSTEM, MICROFLUIDIC ASSAY DEVICE, AND METHODS

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European Patent Convention	08796981.2	31-Jul-2008	2171420	07-Apr-2010			SANITARY SWAB COLLECTION SYSTEM, MICROFLUIDIC ASSAY DEVICE, AND METHODS
Japan	2010-520201	31-Jul-2008			5852781	11-Dec-2015	SANITARY SWAB COLLECTION SYSTEM, MICROFLUIDIC ASSAY DEVICE, AND METHODS
United States of America	60/953045	31-Jul-2007					SANITARY SWAB COLLECTION SYSTEM, MICROFLUIDIC ASSAY DEVICE, AND METHODS
Patent Cooperation Treaty	US2008/071810	31-Jul-2008	WO2009/018473	05-Feb-2009			SANITARY SWAB COLLECTION SYSTEM, MICROFLUIDIC ASSAY DEVICE, AND METHODS
United States of America	61/060730	11-Jun-2008					REHYDRATABLE MATRICES FOR DRY STORAGE OF PCR REAGENTS IN A MICROFLUIDIC
United States of America	61/228700	27-Jul-2009					MICROFLUIDIC APPARATUS AND METHODS FOR PERFORMING AGGLUTINATION ASSAYS
United States of America	61/102694	03-Oct-2008					MICROFLUIDIC APPARATUS AND METHODS FOR PERFORMING AGGLUTINATION ASSAYS
United States of America	12/572968	02-Oct-2009	20100112723	06-May-2010	8318439	27-Nov-2012	MICROFLUIDIC APPARATUS AND METHODS FOR PERFORMING BLOOD TYPING AND
Patent Cooperation Treaty	US2009/059444	02-Oct-2009	WO2010/040103	08-Apr-2010			MICROFLUIDIC APPARATUS AND METHODS FOR PERFORMING BLOOD TYPING AND
European Patent Convention	09743983.0	02-Oct-2009	2349566	03-Aug-2011	2349566	06-Jan-2016	MICROFLUIDIC APPARATUS AND METHODS FOR PERFORMING BLOOD TYPING AND
United States of America	13/660834	25-Oct-2012	20130142708	06-Jun-2013	9146246	29-Sep-2015	MICROFLUIDIC APPARATUS AND METHODS FOR PERFORMING BLOOD TYPING AND
United Kingdom	09743983.0	02-Oct-2009	2349566	03-Aug-2011	2349566	06-Jan-2016	MICROFLUIDIC APPARATUS AND METHODS FOR PERFORMING BLOOD TYPING AND
Netherlands	09743983.0	02-Oct-2009	2349566	03-Aug-2011	2349566	06-Jan-2016	MICROFLUIDIC APPARATUS AND METHODS FOR PERFORMING BLOOD TYPING AND
France	09743983.0	02-Oct-2009	2349566	03-Aug-2011	2349566	06-Jan-2016	MICROFLUIDIC APPARATUS AND METHODS FOR PERFORMING BLOOD TYPING AND
United States of America	14/830539	19-Aug-2015	20160209431	21-Jul-2016			MICROFLUIDIC APPARATUS AND METHODS FOR PERFORMING BLOOD TYPING AND
Germany	09743983.0	02-Oct-2009	2349566	03-Aug-2011	2349566	06-Jan-2016	MICROFLUIDIC APPARATUS AND METHODS FOR PERFORMING BLOOD TYPING AND
United States of America	14/219905	19-Mar-2014	20140349381	27-Nov-2014			PORTABLE HIGH GAIN FLUORESCENCE DETECTION SYSTEM
Germany	10702974.6	29-Jan-2010	60201004896.8	07-Dec-2011	2391883	07-Mar-2018	PORTABLE HIGH GAIN FLUORESCENCE DETECTION SYSTEM
France	10702974.6	29-Jan-2010	2391883	07-Dec-2011	2391883	07-Mar-2018	PORTABLE HIGH GAIN FLUORESCENCE DETECTION SYSTEM
United Kingdom	10702974.6	29-Jan-2010	2391883	07-Dec-2011	2391883	07-Mar-2018	PORTABLE HIGH GAIN FLUORESCENCE DETECTION SYSTEM
Netherlands	10702974.6	29-Jan-2010	2391883	07-Dec-2011	2391883	07-Mar-2018	PORTABLE HIGH GAIN FLUORESCENCE DETECTION SYSTEM
European Patent Convention	10702974.6	29-Jan-2010	2391883	07-Dec-2011	2391883	07-Mar-2018	PORTABLE HIGH GAIN FLUORESCENCE DETECTION SYSTEM
United States of America	13/245124	26-Sep-2011	20120115214	10-May-2012	8431389	30-Apr-2013	PORTABLE HIGH GAIN FLUORESCENCE DETECTION SYSTEM
Japan	2011-548339	29-Jan-2010		19-Jul-2012	5715068	20-Mar-2015	PORTABLE HIGH GAIN FLUORESCENCE DETECTION SYSTEM
United States of America	13/536592	28-Jun-2012	20130011912	10-Jan-2013	8716007	06-May-2014	PORTABLE HIGH GAIN FLUORESCENCE DETECTION SYSTEM
United States of America	13/191120	26-Jul-2011	20120135511	31-May-2012	8329453	11-Dec-2012	PORTABLE HIGH GAIN FLUORESCENCE DETECTION SYSTEM
Patent Cooperation Treaty	US2010/022581	29-Jan-2010	WO2010/088514	05-Aug-2010			PORTABLE HIGH GAIN FLUORESCENCE DETECTION SYSTEM
United States of America	61/148843	30-Jan-2009					PORTABLE HIGH GAIN FLUORESCENCE DETECTION SYSTEM
European Patent Convention	10715402.3	13-Apr-2010	2419217	22-Feb-2012	2419217	12-Nov-2014	MICROFLUIDIC CLINICAL ANALYZER
United Kingdom	10715402.3	13-Apr-2010	2419217	22-Feb-2012	2419217	12-Nov-2014	MICROFLUIDIC CLINICAL ANALYZER
Germany	10715402.3	13-Apr-2010	602010020127.9	22-Feb-2012	2419217	12-Nov-2014	MICROFLUIDIC CLINICAL ANALYZER
Netherlands	10715402.3	13-Apr-2010	2419217	22-Feb-2012	2419217	12-Nov-2014	MICROFLUIDIC CLINICAL ANALYZER
France	10715402.3	13-Apr-2010	2419217	22-Feb-2012	2419217	12-Nov-2014	MICROFLUIDIC CLINICAL ANALYZER
United States of America	13/273085	13-Oct-2011	20120156112	21-Jun-2012	8747779	10-Jun-2014	MICROFLUIDIC CLINICAL ANALYZER
China (People's Republic)	2010080023117.1	13-Apr-2010	CN102448612A	09-May-2012	ZL2010800023117.1	03-Dec-2014	MICROFLUIDIC CLINICAL ANALYZER
India	4131/KOLNP/2011	13-Apr-2010					MICROFLUIDIC CLINICAL ANALYZER
Japan	2012-504933	13-Apr-2010	2012-523571	04-Oct-2012	5726167	10-Apr-2015	MICROFLUIDIC CLINICAL ANALYZER
Korea, Republic of	10-2011-7026996	13-Apr-2010	10-2012-0014903	20-Feb-2012	10-1763119	25-Jul-2017	MICROFLUIDIC CLINICAL ANALYZER
United States of America	61/168840	13-Apr-2009					MICROFLUIDIC CLINICAL ANALYZER
Patent Cooperation Treaty	US2010/030901	13-Apr-2010	WO2010/120786	21-Oct-2010			MICROFLUIDIC CLINICAL ANALYZER
Australia	2010258715	10-Jun-2010			2010258715	23-Jul-2015	REHYDRATABLE MATRICES FOR DRY STORAGE OF TAQ POLYMERASE IN A MICROFLUIDIC
China (People's Republic)	201080029472.X	10-Jun-2010	CN102803483A	28-Nov-2012	ZL2010800029472.X	30-Apr-2014	REHYDRATABLE MATRICES FOR DRY STORAGE OF TAQ POLYMERASE IN A MICROFLUIDIC
Germany	602010019397.7	10-Jun-2010	2440658	18-Apr-2012	2440658	08-Oct-2014	REHYDRATABLE MATRICES FOR DRY STORAGE OF TAQ POLYMERASE IN A MICROFLUIDIC
Japan	2012-515131	10-Jun-2010	2012-529887	29-Nov-2012	5721704	03-Apr-2015	REHYDRATABLE MATRICES FOR DRY STORAGE OF TAQ POLYMERASE IN A MICROFLUIDIC
United States of America	13/323675	12-Dec-2011	20120142070	07-Jun-2012	8835146	16-Sep-2014	REHYDRATABLE MATRICES FOR DRY STORAGE OF TAQ POLYMERASE IN A MICROFLUIDIC
India	2642/MUMNP/2011	10-Jun-2010					REHYDRATABLE MATRICES FOR DRY STORAGE OF TAQ POLYMERASE IN A MICROFLUIDIC
European Patent Convention	10727592.7	10-Jun-2010	2440658	18-Apr-2012	2440658	08-Oct-2014	REHYDRATABLE MATRICES FOR DRY STORAGE OF TAQ POLYMERASE IN A MICROFLUIDIC
Patent Cooperation Treaty	US2010/038140	10-Jun-2010	WO2010/144682	16-Dec-2010			REHYDRATABLE MATRICES FOR DRY STORAGE OF TAQ POLYMERASE IN A MICROFLUIDIC
United States of America	61/186441	12-Jun-2009					REHYDRATABLE MATRICES FOR DRY STORAGE OF TAQ POLYMERASE IN A MICROFLUIDIC
France	10727592.7	10-Jun-2010	2440658	18-Apr-2012	2440658	08-Oct-2014	REHYDRATABLE MATRICES FOR DRY STORAGE OF TAQ POLYMERASE IN A MICROFLUIDIC
United Kingdom	10727592.7	10-Jun-2010	2440658	18-Apr-2012	2440658	08-Oct-2014	REHYDRATABLE MATRICES FOR DRY STORAGE OF TAQ POLYMERASE IN A MICROFLUIDIC
Netherlands	10727592.7	10-Jun-2010	2440658	18-Apr-2012	2440658	08-Oct-2014	REHYDRATABLE MATRICES FOR DRY STORAGE OF TAQ POLYMERASE IN A MICROFLUIDIC
France	2016-079321	10-Jun-2010	2016-127869	14-Jul-2016	6097862	24-Feb-2017	COMPOSITIONS AND METHODS FOR DEHYDRATED STORAGE OF ON-BOARD REAGENTS
Germany	10724663.9	10-Jun-2010	2440672	18-Apr-2012	2440672	30-Mar-2016	COMPOSITIONS AND METHODS FOR DEHYDRATED STORAGE OF ON-BOARD REAGENTS
United States of America	10724663.9	10-Jun-2010	2440672	18-Apr-2012	2440672	30-Mar-2016	COMPOSITIONS AND METHODS FOR DEHYDRATED STORAGE OF ON-BOARD REAGENTS
Netherlands	10724663.9	10-Jun-2010	2440672	18-Apr-2012	2440672	30-Mar-2016	COMPOSITIONS AND METHODS FOR DEHYDRATED STORAGE OF ON-BOARD REAGENTS
United Kingdom	10724663.9	10-Jun-2010	2440672	18-Apr-2012	2440672	30-Mar-2016	COMPOSITIONS AND METHODS FOR DEHYDRATED STORAGE OF ON-BOARD REAGENTS
United States of America	61/186442	12-Jun-2009					COMPOSITIONS AND METHODS FOR DEHYDRATED STORAGE OF ON-BOARD REAGENTS
European Patent Convention	10724663.9	10-Jun-2010	2440672	18-Apr-2012	2440672	30-Mar-2016	COMPOSITIONS AND METHODS FOR DEHYDRATED STORAGE OF ON-BOARD REAGENTS
United States of America	13/323684	12-Dec-2011	20120156750	21-Jun-2012	8921085	30-Dec-2014	COMPOSITIONS AND METHODS FOR DEHYDRATED STORAGE OF ON-BOARD REAGENTS
Australia	2010258716	10-Jun-2010		12-Nov-2015	2010258716	25-Feb-2016	COMPOSITIONS AND METHODS FOR DEHYDRATED STORAGE OF ON-BOARD REAGENTS
Patent Cooperation Treaty	US2010/038141	10-Jun-2010	WO2010/144683	16-Dec-2010			COMPOSITIONS AND METHODS FOR DEHYDRATED STORAGE OF ON-BOARD REAGENTS
India	2641/MUMNP/2011	10-Jun-2010					COMPOSITIONS AND METHODS FOR DEHYDRATED STORAGE OF ON-BOARD REAGENTS
United States of America	14/554720	26-Nov-2014	20150152481	04-Jun-2015	9938571	10-Apr-2018	COMPOSITIONS AND METHODS FOR DEHYDRATED STORAGE OF ON-BOARD REAGENTS
China (People's Republic)	201080029480.4	10-Jun-2010	CN102803507A	28-Nov-2012	ZL2010800029480.4	25-May-2016	COMPOSITIONS AND METHODS FOR DEHYDRATED STORAGE OF ON-BOARD REAGENTS
Japan	2012-515132	10-Jun-2010	2012-529888	29-Nov-2012	5953229	17-Jun-2016	COMPOSITIONS AND METHODS FOR HYDRATED STORAGE OF ON-BOARD REAGENTS IN
United States of America	13/575897	05-Feb-2013	20130130262	23-May-2013	9132423	15-Sep-2015	SAMPLE-TO-ANSWER MICROFLUIDIC CARTRIDGE
Korea, Republic of	10-2012-7022494	28-Jan-2011	10-2013-0033345	03-Apr-2013	10-1851117	17-Apr-2018	SAMPLE-TO-ANSWER MICROFLUIDIC CARTRIDGE
Japan	2012-551339	28-Jan-2011	2013-518289	20-May-2013	5791634	14-Aug-2015	SAMPLE-TO-ANSWER MICROFLUIDIC CARTRIDGE
European Patent Convention	11705075.7	28-Jan-2011	2528687	05-Dec-2012	2528687	22-Aug-2018	SAMPLE-TO-ANSWER MICROFLUIDIC CARTRIDGE
India	6226/CENP/2012	28-Jan-2011					SAMPLE-TO-ANSWER MICROFLUIDIC CARTRIDGE
United States of America	61/299534	29-Jan-2010					SAMPLE-TO-ANSWER MICROFLUIDIC CARTRIDGE
Canada	2786569	28-Jan-2011	2786569	04-Aug-2011			SAMPLE-TO-ANSWER MICROFLUIDIC CARTRIDGE
China (People's Republic)	201180007370.2	28-Jan-2011	CN102740976A	17-Oct-2012	ZL201180007370.2	20-Apr-2016	SAMPLE-TO-ANSWER MICROFLUIDIC CARTRIDGE
Patent Cooperation Treaty	US2011/022973	28-Jan-2011	WO2011/094577	04-Aug-2011			SAMPLE-TO-ANSWER MICROFLUIDIC CARTRIDGE
Netherlands	11705075.7	28-Jan-2011	2528687	05-Dec-2012	2528687	22-Aug-2018	SAMPLE-TO-ANSWER MICROFLUIDIC CARTRIDGE
Germany	11705075.7	28-Jan-2011	2528687	05-Dec-2012	2528687	22-Aug-2018	SAMPLE-TO-ANSWER MICROFLUIDIC CARTRIDGE
France	11705075.7	28-Jan-2011	2528687	05-Dec-2012	2528687	22-Aug-2018	SAMPLE-TO-ANSWER MICROFLUIDIC CARTRIDGE
United Kingdom	11705075.7	28-Jan-2011	2528687	05-Dec-2012	2528687	22-Aug-2018	SAMPLE-TO-ANSWER MICROFLUIDIC CARTRIDGE
United States of America	15/865041	08-Jan-2018					SAMPLE-TO-ANSWER MICROFLUIDIC CARTRIDGE
United States of America	14/819182	05-Aug-2015	20160193603	07-Jul-2016	9895692	20-Feb-2018	SAMPLE-TO-ANSWER MICROFLUIDIC CARTRIDGE
United States of America	61/745329	21-Dec-2012					PORTABLE HIGH GAIN FLUORESCENCE DETECTION SYSTEM AND MICROASSAY
Korea, Republic of	10-2015-7019618	20-Dec-2013	10-2015-0097764	26-Aug-2015			PORTABLE FLUORESCENCE DETECTION SYSTEM AND MICROASSAY CARTRIDGE
United States of America	14/653726	18-Jun-2015	20150346097	03-Dec-2015			PORTABLE FLUORESCENCE DETECTION SYSTEM AND MICROASSAY CARTRIDGE
Japan	2015-549823	20-Dec-2013	2016-509206	24-Mar-2016			PORTABLE FLUORESCENCE DETECTION SYSTEM AND MICROASSAY CARTRIDGE
China (People's Republic)	201380070999.0	20-Dec-2013	CN104919035A	16-Sep-2015	ZL201380070999.0	11-Aug-2017	PORTABLE FLUORESCENCE DETECTION SYSTEM AND MICROASSAY CARTRIDGE
Patent Cooperation Treaty	US2013/077244	20-Dec-2013	WO2014/100725	26-Jun-2014			PORTABLE FLUORESCENCE DETECTION SYSTEM AND MICROASSAY CARTRIDGE
European Patent Convention	13865446.2	20-Dec-2013	2935559	28-Oct-2015			PORTABLE FLUORESCENCE DETECTION SYSTEM AND MICROASSAY CARTRIDGE
United States of America	15/804869	06-Nov-2017					PORTABLE FLUORESCENCE DETECTION SYSTEM AND MICROASSAY CARTRIDGE
European Patent Convention	13865265.6	20-Dec-2013	2935908	28-Oct-2015			FLUIDIC CIRCUITS AND RELATED MANUFACTURING METHODS
United States of America	14/653731	15-Mar-2016	20150352549	10-Dec-2015	10065186	04-Sep-2018	FLUIDIC CIRCUITS AND RELATED MANUFACTURING METHODS
Patent Cooperation Treaty	US2013/077252	20-Dec-2013	WO2014/100732	26-Jun-2014			FLUIDIC CIRCUITS AND RELATED MANUFACTURING METHODS
Japan	2015-549828	20-Dec-2013	2016-509151	24-Mar-2016			FLUIDIC CIRCUITS AND RELATED MANUFACTURING METHODS
China (People's Republic)	201380070944.X	20-Dec-2013	CN104919191A	16-Sep-2015			FLUIDIC CIRCUITS AND RELATED MANUFACTURING METHODS
United States of America	16/052415	01-Aug-2018					FLUIDIC CIRCUITS AND RELATED MANUFACTURING METHODS
Korea, Republic of	10-2015-7019645	20-Dec-2013	10-2015-0099816	01-Sep-2015			FLUIDIC CIRCUITS AND RELATED MANUFACTURING METHODS
United States of America	61/745335	21-Dec-2012					FLUIDIC CIRCUITS AND MANUFACTURING METHODS
United States of America	61/745340	21-Dec-2012					FLUIDIC CIRCUITS AND MANUFACTURING METHODS
Japan	2015-549835	20-Dec-2013	2016-508197	17-Mar-2016			LOW ELASTICITY FILMS FOR MICROFLUIDIC USE
United States of America	14/653737	18-Jun-2015	20150321193	12-Nov-2015			LOW ELASTICITY FILMS FOR MICROFLUIDIC USE
Patent Cooperation Treaty	US2013/077269	20-Dec-2013	WO2014/100743	26-Jun-2014			LOW ELASTICITY FILMS FOR MICROFLUIDIC USE
China (People's Republic)	201380072973.X	20-Dec-2013	CN104994957A	21-Oct-2015	ZL201380072973.X	28-Nov-2017	LOW ELASTICITY FILMS FOR MICROFLUIDIC USE
Korea, Republic of	10-2015-7019644	20-Dec-2013	10-2015-0096788	25-Aug-2015			LOW ELASTICITY FILMS FOR MICROFLUIDIC USE
European Patent Convention	13865758.0	20-Dec-2013	2934751	28-Oct-2015			LOW ELASTICITY FILMS FOR MICROFLUIDIC USE
China (People's Republic)	201711024398.2	20-Dec-2013	CN107824233A	23-Mar-2018			LOW ELASTICITY FILMS FOR MICROFLUIDIC USE
European Patent Convention	14794854.1	07-May-2014	2994750	16-Mar-2016			MICROFLUIDIC DEVICES AND METHODS FOR PERFORMING SERUM SEPARATION AND
United States of America	14/889366	05-Nov-2015	20160109467	21-Apr-2016			MICROFLUIDIC DEVICES AND METHODS FOR PERFORMING SERUM SEPARATION AND
Patent Cooperation Treaty	US2014/037192	07-May-2014	WO2014/182844	13-Nov-2014			MICROFLUIDIC DEVICES FOR FLUID MANIPULATION AND SERUM ANALYSIS
United States of America	61/820576	07-May-2013					

United States of America	61/820585	07-May-2013							MICROFLUIDIC APPARATUS AND METHODS FOR PERFORMING BLOOD CROSSMATCHING
United States of America	61/820579	07-May-2013							MICROFLUIDIC DEVICES AND METHODS FOR PERFORMING SERUM SEPARATION AND
Patent Cooperation Treaty	US2014/037176	07-May-2014	WO2014/182831	13-Nov-2014					METHODS FOR PREPARATION FO NUCLEIC ACID-CONTAINING SAMPLES USING CLAY
China (People's Republic)	201480025629.X	07-May-2014	CN105189750A	23-Dec-2015					METHODS FOR PREPARATION FO NUCLEIC ACID-CONTAINING SAMPLES USING CLAY
Australia	2014262710	07-May-2014							METHODS FOR PREPARATION OF NUCLEIC ACID-CONTAINING SAMPLES USING CLAY
United States of America	14/889370	05-Nov-2015	20160102340	14-Apr-2016					METHODS FOR PREPARATION OF NUCLEIC ACID-CONTAINING SAMPLES USING CLAY
Netherlands	14794307.0	07-May-2014	2994532	16-Mar-2016	2994532		15-Nov-2017		METHODS FOR PREPARATION FO NUCLEIC ACID-CONTAINING SAMPLES USING CLAY
Japan	2016-513046	07-May-2014	2016-517699	20-Jun-2016					METHODS FOR PREPARATION FO NUCLEIC ACID-CONTAINING SAMPLES USING CLAY
United States of America	61/820587	07-May-2013							EXTRACTION OF NUCLEIC ACIDS
European Patent Convention	14794307.0	07-May-2014	2994532	16-Mar-2016	2994532		15-Nov-2017		METHODS FOR PREPARATION FO NUCLEIC ACID-CONTAINING SAMPLES USING CLAY
Canada	2911303	07-May-2014	2911303	13-Nov-2014					METHODS FOR PREPARATION FO NUCLEIC ACID-CONTAINING SAMPLES USING CLAY
Germany	14794307.0	07-May-2014	602014017347.0	16-Mar-2016	2994532		15-Nov-2017		METHODS FOR PREPARATION FO NUCLEIC ACID-CONTAINING SAMPLES USING CLAY
United Kingdom	14794307.0	07-May-2014	2994532	16-Mar-2016	2994532		15-Nov-2017		METHODS FOR PREPARATION FO NUCLEIC ACID-CONTAINING SAMPLES USING CLAY
France	14794307.0	07-May-2014	2994532	16-Mar-2016	2994532		15-Nov-2017		METHODS FOR PREPARATION FO NUCLEIC ACID-CONTAINING SAMPLES USING CLAY
Germany	14794348.4	07-May-2014	2994543	16-Mar-2016	2994543		15-Aug-2018		DEVICE FOR PREPARATION AND ANALYSIS OF NUCLEIC ACIDS
United States of America	16/116543	29-Aug-2018							DEVICE FOR PREPARATION AND ANALYSIS OF NUCLEIC ACIDS
France	14794348.4	07-May-2014	2994543	16-Mar-2016	2994543		15-Aug-2018		DEVICE FOR PREPARATION AND ANALYSIS OF NUCLEIC ACIDS
Netherlands	14794348.4	07-May-2014	2994543	16-Mar-2016	2994543		15-Aug-2018		DEVICE FOR PREPARATION AND ANALYSIS OF NUCLEIC ACIDS
Japan	2016-513052	07-May-2014	2016-523520	12-Aug-2016					DEVICE FOR PREPARATION AND ANALYSIS OF NUCLEIC ACIDS
China (People's Republic)	201480025631.7	07-May-2014	CN105189784A	23-Dec-2015					DEVICE FOR PREPARATION AND ANALYSIS OF NUCLEIC ACIDS
Patent Cooperation Treaty	US2014/037197	07-May-2014	WO2014/182847	13-Nov-2014					DEVICE FOR PREPARATION AND ANALYSIS OF NUCLEIC ACIDS
United States of America	14/889374	05-Nov-2015	20160090588	31-Mar-2016					DEVICE FOR PREPARATION AND ANALYSIS OF NUCLEIC ACIDS
Canada	2911308	07-May-2014	2911308	13-Nov-2014					DEVICE FOR PREPARATION AND ANALYSIS OF NUCLEIC ACIDS
United Kingdom	14794348.4	07-May-2014	2994543	16-Mar-2016	2994543		15-Aug-2018		DEVICE FOR PREPARATION AND ANALYSIS OF NUCLEIC ACIDS
Australia	2014262726	07-May-2014							DEVICE FOR PREPARATION AND ANALYSIS OF NUCLEIC ACIDS
European Patent Convention	14794348.4	07-May-2014	2994543	16-Mar-2016	2994543		15-Aug-2018		DEVICE FOR PREPARATION AND ANALYSIS OF NUCLEIC ACIDS
United States of America	61/820582	07-May-2013							METHODS AND APPARATUS FOR EXTRACTION OF VIRAL NUCLEIC ACIDS
United States of America	61/820573	07-May-2013							METHODS AND APPARATUS FOR EXTRACTION AND ANALYSIS OF VIRAL NUCLEIC ACIDS
Japan	2016-559200	27-Mar-2015	2017-512664	25-May-2017					METHODS AND APPARATUS FOR LAMINATION OF RIGID SUBSTRATES BY SEQUENTIAL
China (People's Republic)	201580016551.X	27-Mar-2015	CN106132690A	16-Nov-2016					METHODS AND APPARATUS FOR LAMINATION OF RIGID SUBSTRATES BY SEQUENTIAL
United States of America	61/971726	28-Mar-2014							SYSTEM AND METHOD FOR LAMINATION OF RIGID-TO- RIGID, PLANAR SUBSTRATES BY
Patent Cooperation Treaty	US2015/023033	27-Mar-2015	WO2015/148945	01-Oct-2015					METHODS AND APPARATUS FOR LAMINATION OF RIGID SUBSTRATES BY SEQUENTIAL
United States of America	15/300213	28-Sep-2016	20170182758	29-Jun-2017					METHODS AND APPARATUS FOR LAMINATION OF RIGID SUBSTRATES BY SEQUENTIAL
European Patent Convention	15769279.9	27-Mar-2015	3122554	01-Feb-2017					METHODS AND APPARATUS FOR LAMINATION OF RIGID SUBSTRATES BY SEQUENTIAL
Korea, Republic of	10-2016-7029963	27-Mar-2015							METHODS AND APPARATUS FOR LAMINATION OF RIGID SUBSTRATES BY SEQUENTIAL
Japan	2016-567069	11-Jun-2015	2017-520239	27-Jul-2017					MICROFLUIDIC CARTRIDGES AND APPARATUS WITH INTEGRATED ASSAY CONTROLS FOR
United States of America	15/317365	08-Dec-2016	20170113221	27-Apr-2017					MICROFLUIDIC CARTRIDGES AND APPARATUS WITH INTEGRATED ASSAY CONTROLS FOR
Patent Cooperation Treaty	US2015/035419	11-Jun-2015	WO2015/191916	17-Dec-2015					MICROFLUIDIC CARTRIDGES AND APPARATUS WITH INTEGRATED ASSAY CONTROLS FOR
United States of America	62/010915	11-Jun-2014							MICROFLUIDIC DEVICES WITH INTEGRATED ASSAY CONTROLS FOR ANALYSIS OF NUCLEIC
European Patent Convention	15733572.0	11-Jun-2015	3154693	19-Apr-2017					MICROFLUIDIC CARTRIDGES AND APPARATUS WITH INTEGRATED ASSAY CONTROLS FOR
China (People's Republic)	201580023975.9	11-Jun-2015	CN106795473A	31-May-2017					MICROFLUIDIC CARTRIDGES AND APPARATUS WITH INTEGRATED ASSAY CONTROLS FOR
Korea, Republic of	10-2017-7000023	11-Jun-2015	10-2017-0016915	14-Feb-2017					MICROFLUIDIC CARTRIDGES AND APPARATUS WITH INTEGRATED ASSAY CONTROLS FOR
United States of America	15/569701	26-Oct-2017	20180125464	10-May-2018					SPECIMEN COLLECTION AND DELIVERY APPARATUS
European Patent Convention	16787253.0	29-Apr-2016	3288459	07-Mar-2018					SPECIMEN COLLECTION AND DELIVERY APPARATUS
Japan	2017-556180	29-Apr-2016	2018-514769	07-Jun-2018					SPECIMEN COLLECTION AND DELIVERY APPARATUS
United States of America	62/154509	29-Apr-2015							SPECIMEN COLLECTION AND DELIVERY APPARATUS
China (People's Republic)	201680032958.6	29-Apr-2016	CN107708559A	16-Feb-2018					SPECIMEN COLLECTION AND DELIVERY APPARATUS
Korea, Republic of	10-2017-7034394	29-Apr-2016	10-2017-0141234	22-Dec-2017					SPECIMEN COLLECTION AND DELIVERY APPARATUS
Australia	2016256450	29-Apr-2016							SPECIMEN COLLECTION AND DELIVERY APPARATUS
Patent Cooperation Treaty	US2016/030194	29-Apr-2016	WO2016/176613	03-Nov-2016					SPECIMEN COLLECTION AND DELIVERY APPARATUS
China (People's Republic)		17-Feb-2017							MICROFLUIDIC MIXING DEVICE AND METHOD
Patent Cooperation Treaty	US2017/018268	17-Feb-2017	WO2017/143120	24-Aug-2017					MICROFLUIDIC MIXING DEVICE AND METHOD
United States of America	62/297497	19-Feb-2016							MICROFLUIDIC MIXING DEVICE
Korea, Republic of	10-2018-7023219	17-Feb-2017							MICROFLUIDIC MIXING DEVICE AND METHOD
European Patent Convention	17708105.6	17-Feb-2017							MICROFLUIDIC MIXING DEVICE AND METHOD
Japan	2018-543378	17-Feb-2017							MICROFLUIDIC MIXING DEVICE AND METHOD
United States of America	15/999845	17-Feb-2017							MICROFLUIDIC MIXING DEVICE AND METHOD