

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4325506

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
FOCUS DIAGNOSTICS, INC.	05/13/2016

RECEIVING PARTY DATA

Name:	DIASORIN S.P.A.
Street Address:	VIA CRESCENTINO SNC
City:	SALUGGIA (VERCELLI)
State/Country:	ITALY
Postal Code:	13040

PROPERTY NUMBERS Total: 44

Property Type	Number
Patent Number:	6734401
Patent Number:	6987253
Patent Number:	7164107
Patent Number:	7435933
Patent Number:	8003926
Patent Number:	8481901
Patent Number:	6617136
Patent Number:	6532997
Patent Number:	6662830
Patent Number:	6889468
Patent Number:	7569186
Patent Number:	8003051
Patent Number:	7871827
Patent Number:	D502775
Patent Number:	7332129
Patent Number:	7238269
Patent Number:	7322254
Patent Number:	8057758
Patent Number:	7837947
Patent Number:	8057757

PATENT

Property Type	Number
Patent Number:	7939249
Patent Number:	7754474
Patent Number:	8080409
Patent Number:	7323660
Patent Number:	7767937
Patent Number:	7709249
Patent Number:	7507575
Patent Number:	7763210
Patent Number:	8092759
Patent Number:	7527763
Patent Number:	7867767
Patent Number:	D564667
Patent Number:	8128893
Patent Number:	8835157
Patent Number:	9121055
Patent Number:	8834792
Patent Number:	D638550
Patent Number:	D638951
Patent Number:	9067205
Patent Number:	8931331
Patent Number:	9168523
Patent Number:	D667561
Patent Number:	D672467
Patent Number:	D677395

CORRESPONDENCE DATA

Fax Number:

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.

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ATTORNEY DOCKET NUMBER:	T0022325-016
NAME OF SUBMITTER:	ROBERT ALDERSON
SIGNATURE:	/Robert Alderson/
DATE SIGNED:	03/20/2017

Total Attachments: 11

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Patent Assignment

This PATENT ASSIGNMENT (this "Assignment") is made by and between **FOCUS DIAGNOSTICS, INC.**, a Delaware corporation ("Assignor"), and DiaSorin S.p.A., a corporation incorporated under the laws of the Republic of Italy ("Assignee"), and is being entered into pursuant and subject to the Asset Purchase Agreement dated as of March 29, 2016 (the "Agreement"), effective as of the Closing (as defined in the Agreement). Capitalized terms used but not defined in this Assignment shall have the meaning set forth in the Agreement.

WHEREAS, Assignor has acquired ownership of all of the right, title, and interest in and to the patents and patent applications set forth in Schedule 1 hereto, together with reissues, continuations, continuations-in-part, revisions, extensions and reexaminations thereof, and the inventions protected thereby throughout the world (hereinafter collectively the "Assigned Patent Rights"); and

WHEREAS, it has been and is the intention of Assignor and Assignee, that Assignee own all of Assignor's right, title and interest in and to the Assigned Patent Rights, including all of Assignor's United States, foreign and international patent rights therein, including all rights to claim, sue, and collect for all alleged infringement, including for any and all past damages, and be applicant for pending patent applications included in such Assigned Patent Rights, wherever so permitted by law;

NOW, THEREFORE, for good and valuable consideration, the receipt, sufficiency, and adequacy of which are hereby acknowledged:

1. Assignor hereby sells, assigns, conveys, transfers, and sets over to Assignee and Assignee's successors and assigns, and Assignee acknowledges and receives from Assignor, all of Assignor's rights, title, and interest, and all of the rights, title, and interest of any of Assignor's affiliates, in and to the Assigned Patent Rights on and as of the Closing throughout the world, including all corresponding United States, international, and foreign patents, patent applications, utility models and design registrations, and all rights to claim priority thereto, including priority under the Paris Convention, the Patent Cooperation Treaty and any and all applicable treaties and conventions of like purpose, and including all provisional, non-provisional, continuation, divisional, reissue, national phase and extension applications and patents thereof throughout the world, along with any and all rights of renewal, maintenance, abandonment, disposition and enforcement with respect thereto, and the right to sue and/or recover for past, present, and future infringement thereof throughout the world, and any and all causes of action related thereto. Assignee, its successors and assigns, or any entity it may properly designate, may apply for and receive patents therefor in its own name wherever so permitted by law. Assignor represents and warrants to Assignee, and to Assignee's successors and assigns, that Assignor has not and will not execute any writing or do any act that conflicts with this Assignment.

2. Assignor does not retain, whether expressly, by implication, estoppel or otherwise, any right, title, or interest in and to the Assigned Patent Rights. For the avoidance of doubt, as of the Closing, Assignee shall solely and exclusively have the right and be entitled, in its sole discretion, in and/or under the laws of any country and jurisdiction, to initiate and/or continue any action, suit, litigation, arbitration or other proceeding of any kind, and seek, enforce, and benefit from any right, remedy and/or award, for any infringement or violation of the Assigned Patent Rights. Assignee does not and shall not have any obligation to account for, report, or share any such remedy or award to Assignor with Assignor, or make any other payment for the Assigned Patent Rights.

3. Upon Assignee's request, and at Assignee's cost and expense, Assignor shall provide any assistance, including, without limitation, providing any information and documents, executing any documents and affidavits, providing any testimony, and/or rendering any other assistance, as is reasonably requested for Assignee to secure, perfect, and record sole and exclusive ownership of, and obtain registrations in the name of Assignee or a third party designated by Assignee, for the Assigned Patent Rights and/or any part thereof, and to otherwise fully effect and implement the provisions in this Assignment. Assignor shall promptly record

transfers of all of the Assigned Patent Rights from the third party assignor to Assignor in the patent or other applicable offices in all countries where such Assigned Patent Rights were pursued, and Assignor will promptly deliver to Assignee copies of all such recordings.

4. Should any section, or portion thereof, of this Assignment be held invalid by reason of any law existing now or in the future in any jurisdiction by any court of competent authority or by a legally enforceable directive of any governmental body, such section or portion thereof shall be validly reformed so as to approximate the intent of Assignor and Assignee as set forth herein as nearly as possible and, if unreformable, shall be deemed divisible and deleted with respect to such jurisdiction; this Assignment shall not otherwise be affected. This Assignment shall be binding upon Assignor and all of Assignor's successors and assigns, and shall be binding upon and inure to the benefit of Assignee and its successors and assigns.

5. Assignor authorizes the United States Patent and Trademark Office and any Patent Office in any foreign country to issue any and all patents resulting from the Assigned Patent Rights to Assignee according to this Assignment. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignor had this assignment not been made.

6. This Assignment and Schedule 1 hereto, but not the Agreement or any part thereof, may be publicly disclosed, and will be publicly recorded in various countries.

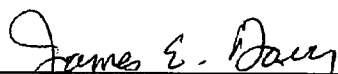
Assignor and Assignee have executed this Assignment, each through its authorized representative, to be effective as of the Closing.

[Signature page follows.]

Assignor and Assignee have executed this Assignment, each through its authorized representative, to be effective as of the Closing.

Assignor:

Focus Diagnostics, Inc.



Name: James E. Davis

Title: Senior Vice President

Date: May 13th, 2016

(Signature Page to Patent Assignment)

Assignee:

DiaSorin S.p.A.



Name: Carlo Rosa

Title: CEO

Date: May 13, 2016

(Signature Page to Patent Assignment continued)

Schedule 1

Assigned Intellectual Property Rights

See attached.

Schedule 1

Case Reference	Subject to Rights	Title	Country	Current Status	Filing Number	Filing Date/No.	Publication Number	Pub. Date/No.	Grant Number	Grant Date/No.	Inventors (List)
55566A0011	Gov't	Sample Processing Devices, Systems and Methods	AU	Grant	2010270248	28 Jun 2001			2001270248	23 Jan 2002	Bedingham, William (01268033); Rajagopal, Raj (01333027); Robble, Barry W (01298318); Senhadri, Kannan (01344351)
55566A0006		Sample Processing Devices, Systems and Methods	CA	Grant	2412275	28 Jun 2001			2412275	08 Dec 2009	Bedingham, William (01268033); Rajagopal, Raj (01333027); Robble, Barry W (01298318); Senhadri, Kannan (01344351)
55566E0005		Sample Processing Devices, Systems and Methods	DE	Grant	0194881.8.8	28 Jun 2001	1296764	02 Apr 2003	0194881.8.8	01 Aug 2012	Bedingham, William (01268033); Rajagopal, Raj (01333027); Robble, Barry W (01298318); Senhadri, Kannan (01344351)
55566E0005		Sample Processing Devices, Systems and Methods	EP	Grant	0194881.8.8	28 Jun 2001	1296764	02 Apr 2003	0194881.8.8	01 Aug 2012	Bedingham, William (01268033); Rajagopal, Raj (01333027); Robble, Barry W (01298318); Senhadri, Kannan (01344351)
55566E0019		Enhanced Sample Processing Devices, Systems and Methods	EP	Grant	10185066.7	30 Sep 2010	12988074	23 Nov 2011	10185066.7	11 Dec 2013	Bedingham, William (01268033); Rajagopal, Raj (01333027); Robble, Barry W (01298318); Senhadri, Kannan (01344351)
55566E0021		Sample Processing Devices, Systems and Methods	EP	Grant	10185063.4	30 Sep 2010	1295141	16 Mar 2011	10185063.4	29 Oct 2014	Bedingham, William (01268033); Rajagopal, Raj (01333027); Robble, Barry W (01298318); Senhadri, Kannan (01344351)
55566E0019		Enhanced Sample Processing Devices, Systems and Methods	ES	Grant	10185066.7	30 Sep 2010	12988074	23 Nov 2011	10185066.7	11 Dec 2013	Bedingham, William (01268033); Rajagopal, Raj (01333027); Robble, Barry W (01298318); Senhadri, Kannan (01344351)
55566E0005		Sample Processing Devices, Systems and Methods	FR	Grant	0194881.8.8	28 Jun 2001	1296764	02 Apr 2003	0194881.8.8	01 Aug 2012	Bedingham, William (01268033); Rajagopal, Raj (01333027); Robble, Barry W (01298318); Senhadri, Kannan (01344351)
55566E0005		Sample Processing Devices, Systems and Methods	GB	Grant	0194881.8.8	28 Jun 2001	1296764	02 Apr 2003	0194881.8.8	01 Aug 2012	Bedingham, William (01268033); Rajagopal, Raj (01333027); Robble, Barry W (01298318); Senhadri, Kannan (01344351)
55566E0008		Sample Processing Devices, Systems and Methods	JP	Grant	2002-505120	28 Jun 2001	5253339	19 Aug 2004	2002-505120	01 Jul 2011	Bedingham, William (01268033); Rajagopal, Raj (01333027); Robble, Barry W (01298318); Senhadri, Kannan (01344351)
55566E0009		Sample Processing Devices, Systems and Methods	SG	Grant	200207480-5	28 Jun 2001			93601	31 Oct 2005	Bedingham, William (01268033); Rajagopal, Raj (01333027); Robble, Barry W (01298318); Senhadri, Kannan (01344351)
55566E0002		Enhanced Sample Processing Devices, Systems and Methods	US	Grant	091894810	28 Jun 2001	2002-0047003	25 Apr 2004	091894810	11 May 2006	Bedingham, William (01268033); Rajagopal, Raj (01333027); Robble, Barry W (01298318); Senhadri, Kannan (01344351)
55566E0014		Enhanced Sample Processing Devices, Systems and Methods	US	Grant	10/840736	06 May 2004	2005-0242911	03 Nov 2010	09287253	17 Jan 2006	Bedingham, William (01268033); Rajagopal, Raj (01333027); Robble, Barry W (01298318); Senhadri, Kannan (01344351)
55566E0015		Enhanced Sample Processing Devices, Systems and Methods	US	Grant	11/287074	23 Nov 2009	2006-0076446	13 Apr 2008	07644107	16 Jan 2007	Bedingham, William (01268033); Robble, Barry W (01298318)
55566E0016		Enhanced Sample Processing Devices, Systems and Methods	US	Grant	11/622643	12 Jan 2007	2007-0114229	24 May 2007	7435933	14 Oct 2008	Bedingham, William (01268033); Robble, Barry W (01298318); Rajagopal, Raj (01333027)
55566E0017		Enhanced Sample Processing Devices, Systems and Methods	US	Grant	12/205170	05 Sep 2008	2008-0314895	25 Dec 2008	8003926	23 Aug 2011	Bedingham, William (01268033); Rajagopal, Raj (01333027); Robble, Barry W (01298318)
55566E0022		Enhanced Sample Processing Devices, Systems and Methods	US	Grant	13/214808	22 Aug 2011	2011-0303657	15 Dec 2011	9481901	09 Jul 2013	Bedingham, William (01268033); Rajagopal, Raj (01333027); Robble, Barry W (01298318)
55566E0004		Sample Processing Devices, Systems and Methods	WO	National	US01/20707	28 Jun 2001	02/00347	03 Jan 2002			Bedingham, William (01268033); Rajagopal, Raj (01333027); Robble, Barry W (01298318); Senhadri, Kannan (01344351)
55566E0006		BIOLOGICAL SAMPLE PROCESSING METHOD AND COMPOSITIONS THAT INCLUDE SURFACTANTS	DE	Grant	02794036.0	26 Nov 2002	1459057	22 Sep 2004	60243930.2	24 Oct 2012	Bedingham, William (01268033); Rajagopal, Raj (01333027); Senhadri, Kannan (01344351)
55566E0006		Sample Processing Device with Integral Electrochromic Channels	EP	Grant	02794036.0	26 Nov 2002	1459057	22 Sep 2004	1459057	24 Oct 2012	Bedingham, William (01268033); Rajagopal, Raj (01333027); Senhadri, Kannan (01344351)
55566E0006		Sample Processing Device with Integral Electrochromic Channels	FR	Grant	02794036.0	26 Nov 2002	1459057	22 Sep 2004	1459057	24 Oct 2012	Bedingham, William (01268033); Rajagopal, Raj (01333027); Senhadri, Kannan (01344351)
55566E0006		Sample Processing Device with Integral Electrochromic Channels	GB	Grant	02794036.0	26 Nov 2002	1459057	22 Sep 2004	1459057	24 Oct 2012	Bedingham, William (01268033); Rajagopal, Raj (01333027); Senhadri, Kannan (01344351)
55566E0002		Sample Processing Device with Integral Electrochromic Channels	US	Grant	10/034334	28 Dec 2001			6332997	18 Mar 2003	Bedingham, William (01268033); Rajagopal, Raj (01333027); Senhadri, Kannan (01344351)
55566E0004		Sample Processing Device with Integral Electrochromic Channels	US	Grant	10/347667	21 Jan 2003	2003-0127152	10 Jul 2003	96662830	16 Dec 2003	Bedingham, William (01268033); Rajagopal, Raj (01333027); Senhadri, Kannan (01344351)
55566E0003		Sample Processing Device with Integral Electrochromic Channels	WO	National	US02/37970	26 Nov 2002	03/09824	17 Jul 2003			Bedingham, William (01268033); Rajagopal, Raj (01333027); Senhadri, Kannan (01344351)
55566E0005		Module Systems and Methods for Using Sample Processing Devices	DE	Grant	02798022.4	04 Dec 2002	1459076	22 Sep 2004	6024626.9	09 Jul 2014	Bedingham, William (01268033); Ayata, James (01097613); Robble, Barry W (01298318)
55566E0005		Module Systems and Methods for Using Sample Processing Devices	EP	Grant	02798022.4	04 Dec 2002	1459076	22 Sep 2004	1459076	09 Jul 2014	Bedingham, William (01268033); Ayata, James (01097613); Robble, Barry W (01298318)
55566E0005		Module Systems and Methods for Using Sample Processing Devices	FR	Grant	02798022.4	04 Dec 2002	1459076	22 Sep 2004	1459076	09 Jul 2014	Bedingham, William (01268033); Ayata, James (01097613); Robble, Barry W (01298318)
55566E0005		Module Systems and Methods for Using Sample Processing Devices	GB	Grant	02798022.4	04 Dec 2002	1459076	22 Sep 2004	1459076	09 Jul 2014	Bedingham, William (01268033); Ayata, James (01097613); Robble, Barry W (01298318)
55566E0006		Module Systems and Methods for Using Sample Processing Devices	JP	Grant	2003-558510	04 Dec 2002	2005-514043	19 May 2004	4394450	23 Oct 2009	Bedingham, William (01268033); Ayata, James (01097613); Robble, Barry W (01298318)
55566E0002		Module Systems and Methods for Using Sample Processing Devices	US	Grant	10/024993	28 Dec 2001	2003-0124566	03 Jul 2003	6699468	10 May 2005	Bedingham, William (01268033); Ayata, James (01097613); Robble, Barry W (01298318)
55566E0007		Systems for Using Sample Processing Devices	US	Grant	11/082374	16 Mar 2005	2005-0180990	18 Apr 2007	7565186	04 Aug 2009	Bedingham, William (01268033); Ayata, James (01097613); Robble, Barry W (01298318)
55566E0008		Thermal Structure for Sample Processing Devices	US	Grant	12/491959	25 Jun 2009	2009-0263380	22 Oct 2009	8003051	23 Aug 2011	Bedingham, William (01268033); Ayata, James (01097613); Robble, Barry W (01298318)
55566E0003		Sample Systems and Methods for Using Sample Processing Devices	WO	National	US02/38816	04 Dec 2002	03/058253	17 Jul 2003			Bedingham, William (01268033); Ayata, James (01097613); Robble, Barry W (01298318)
557314E0009		Methods and Devices for Removal of Organic Molecules from Biological Mixtures Using Anion Exchange	DE	Grant	09163155.6	27 Nov 2002	2116305	11 Nov 2009	6024916.2	01 May 2013	Bedingham, William (01268033); Rajagopal, Raj (01333027); Robble, Barry W (01298318)
557314E0009		Methods and Devices for Removal of Organic Molecules from Biological Mixtures Using Anion Exchange	EP	Grant	09163155.6	27 Nov 2002	2116305	11 Nov 2009	2116305	01 May 2013	Bedingham, William (01268033); Rajagopal, Raj (01333027); Robble, Barry W (01298318)
557314E0009		Methods and Devices for Removal of Organic Molecules from Biological Mixtures Using Anion Exchange	FR	Grant	09163155.6	27 Nov 2002	2116305	11 Nov 2009	2116305	01 May 2013	Bedingham, William (01268033); Rajagopal, Raj (01333027); Robble, Barry W (01298318)
557314E0009		Methods and Devices for Removal of Organic Molecules from Biological Mixtures Using Anion Exchange	GB	Grant	09163155.6	27 Nov 2002	2116305	11 Nov 2009	2116305	01 May 2013	Bedingham, William (01268033); Rajagopal, Raj (01333027); Robble, Barry W (01298318)

57314U5007		Methods and Devices for Removal of Organic	US	Grant	11/25/161	14 Sep 2006	2006-0013732	19 Jan 2006	8718427	18 Jan 2011	Parthasarathy, Rangani V (01342933); Rajagopal, Raj (01333027); Olson, Erin E (01347350); Bessell, Frank J IV (NMI120125); Beddingham, William (01286033); Robble, Barry W (01298318)
57314W0003		Methods and Devices for Removal of Organic	WO	National	US02/37973	27 Nov 2003	03/054509	03 Jul 2003			Parthasarathy, Rangani V (01342933); Rajagopal, Raj (01333027); Olson, Erin E (01347350); Bessell, Frank J IV (NMI120125); Beddingham, William (01286033); Robble, Barry W (01298318)
58293U002		Extended Port Sample Processing Device	US	Grant	09/17/2949	19 Dec 2002		05/07/75	08 Mar 2005	Kohlsaat, Chris R (0130357); Wyced, Kenneth Brian (01290263)	
58293D006		Sample Processing Device Having Process	DE	Grant	03/68983.3	19 Nov 2006	03/04210.5	13 Sep 2012	13 Sep 2012	Robble, Barry W (01298318); Beddingham, William (01286033)	
58293E006		Sample Processing Device Having Process	EP	Grant	03/68983.3	19 Nov 2006	03/04210.5	13 Sep 2012	13 Sep 2012	Robble, Barry W (01298318); Beddingham, William (01286033)	
58293F006		Sample Processing Device Having Process	FR	Grant	03/68983.3	19 Nov 2006	03/04210.5	13 Sep 2012	13 Sep 2012	Robble, Barry W (01298318); Beddingham, William (01286033)	
58293G006		Sample Processing Device Having Process	GB	Grant	03/68983.3	19 Nov 2006	03/04210.5	13 Sep 2012	13 Sep 2012	Robble, Barry W (01298318); Beddingham, William (01286033)	
58293H007		Sample Processing Device Having Process	JP	Grant	2004-566492	19 Nov 2006	2006-513421	20 Apr 2006	4/35/1171	31 Jul 2009	Robble, Barry W (01298318); Beddingham, William (01286033)
58293I002		Sample Processing Device Having Process	US	Grant	10/339447	09 Jan 2003	2004-0137634	15 Jul 2004	7/33/139	19 Feb 2008	Robble, Barry W (01298318); Beddingham, William (01286033)
58293W003		Sample Processing Device Having Process	WO	National	US03/98954	19 Nov 2003	2004/062802	29 Jul 2004			Robble, Barry W (01298318); Beddingham, William (01286033)
58450C006		Sample Processing Device with Unvented	CN	Grant	200400021988.4	18 May 2004	1939589A	13 Sep 2006	200400021988.4	12 Nov 2008	Chong Conkin, Barthelma E (01346226); Beddingham, William (01286033); Zarraga, Isidro E (01019167); Gason, Samuel JV (01022486); Ludowski, Peter Daniel (01031603); Coleman, Patrick L (01260313)
58450D007		Sample Processing Device with Unvented	DE	Grant	04/776057.4	18 May 2004	1644118	12 Apr 2006	02004043749.2	06 Nov 2013	Chong Conkin, Barthelma E (01346226); Beddingham, William (01286033); Zarraga, Isidro E (01019167); Gason, Samuel JV (01022486); Ludowski, Peter Daniel (01031603); Coleman, Patrick L (01260313)
58450E007		Sample Processing Device with Unvented	EP	Grant	04/776057.4	18 May 2004	1644118	12 Apr 2006	1644118	06 Nov 2013	Chong Conkin, Barthelma E (01346226); Beddingham, William (01286033); Zarraga, Isidro E (01019167); Gason, Samuel JV (01022486); Ludowski, Peter Daniel (01031603); Coleman, Patrick L (01260313)
58450F008		Sample Processing Device with Unvented	JP	Grant	2006-518619	18 May 2004	5275717	27 Sep 2007	4499720	23 Apr 2010	Chong Conkin, Barthelma E (01346226); Beddingham, William (01286033); Zarraga, Isidro E (01019167); Gason, Samuel JV (01022486); Ludowski, Peter Daniel (01031603); Coleman, Patrick L (01260313)
58450G002		Sample Processing Device with Unvented	US	Grant	10/610949	01 Jul 2003	2005-0199500	15 Sep 2005	2382859	03 Jul 2007	Chong Conkin, Barthelma E (01346226); Beddingham, William (01286033); Zarraga, Isidro E (01019167); Gason, Samuel JV (01022486); Ludowski, Peter Daniel (01031603); Coleman, Patrick L (01260313)
58450W003		Sample Processing Device with Unvented	WO	National	US04/19820	18 May 2004	2005/0050545	20 Jan 2005			Gason, Samuel JV (01022486); Beddingham, William (01286033); Chong Conkin, Barthelma E (01346226); Coleman, Patrick L (01260313); Ludowski, Peter Daniel (01031603)
59071C008		Variable Valve Apparatus and Methods	CN	Grant	200400040708.4	18 Nov 2004	1906295A	31 Jan 2007	200400040708.4	27 Jun 2012	Beddingham, William (01286033); Robble, Barry W (01298318); Parthasarathy, Rangani V (01342933); Ericson, Kenya (NMI120123)
59071D009		Variable Valve Apparatus and Methods	DE	Grant	04811615.6	18 Nov 2004	1692283	23 Aug 2006	02004046043.5	22 Oct 2014	Beddingham, William (01286033); Robble, Barry W (01298318); Parthasarathy, Rangani V (01342933); Ericson, Kenya (NMI120123)
59071E009		Variable Valve Apparatus and Methods	EP	Grant	04811615.6	18 Nov 2004	1692283	23 Aug 2006	1692283	22 Oct 2014	Beddingham, William (01286033); Robble, Barry W (01298318); Parthasarathy, Rangani V (01342933); Ericson, Kenya (NMI120123)
59071F009		Variable Valve Apparatus and Methods	FR	Grant	04811615.6	18 Nov 2004	1692283	23 Aug 2006	1692283	22 Oct 2014	Beddingham, William (01286033); Robble, Barry W (01298318); Parthasarathy, Rangani V (01342933); Ericson, Kenya (NMI120123)
59071G009		Variable Valve Apparatus and Methods	GB	Grant	04811615.6	18 Nov 2004	1692283	23 Aug 2006	1692283	22 Oct 2014	Beddingham, William (01286033); Robble, Barry W (01298318); Parthasarathy, Rangani V (01342933); Ericson, Kenya (NMI120123)
59071H010		Variable Valve Apparatus and Methods	JP	Grant	2006-543841	22 Oct 2004		4/67/3318		28 Jan 2011	Beddingham, William (01286033); Robble, Barry W (01298318); Parthasarathy, Rangani V (01342933); Ericson, Kenya (NMI120123)
59071J012		Variable Valve Apparatus and Methods	US	Grant	10/234712	22 Oct 2004	01-013337	20 Jan 2011	5118184	26 Oct 2012	Beddingham, William (01286033); Robble, Barry W (01298318); Parthasarathy, Rangani V (01342933); Ericson, Kenya (NMI120123)
59071K002		Variable Valve Apparatus and Methods	US	Grant	12/719704	08 Mar 2010	01-67304	01 Jul 2010	05/758	13 Nov 2011	Beddingham, William (01286033); Robble, Barry W (01298318); Parthasarathy, Rangani V (01342933); Ericson, Kenya (NMI120123)
59071W004		Variable Valve Apparatus and Methods	WO	National	US04/39924	18 Nov 2004	2005/061709	07 Jul 2005			Beddingham, William (01286033); Robble, Barry W (01298318); Parthasarathy, Rangani V (01342933); Ericson, Kenya (NMI120123)
59072A006		Sample Mixing on a Microfluidic Device	CN	Grant	200400035895.2	20 Oct 2004	1990018A	03 Jan 2007	200400035895.2	20 May 2015	Beddingham, William (01286033); Robble, Barry W (01298318)
59072B007		Sample Mixing on a Microfluidic Device	DE	Grant	04/798855.8	20 Oct 2004	16992548	13 Sep 2006	02004044641.2-08	25 Jun 2008	Beddingham, William (01286033); Robble, Barry W (01298318)
59072C007		Sample Mixing on a Microfluidic Device	EP	Grant	04/798855.8	20 Oct 2004	16992548	13 Sep 2006	16992548	25 Jun 2008	Beddingham, William (01286033); Robble, Barry W (01298318)
59072D008		Sample Mixing on a Microfluidic Device	FR	Grant	04/798855.8	20 Oct 2004	16992548	13 Sep 2006	16992548	25 Jun 2008	Beddingham, William (01286033); Robble, Barry W (01298318)
59072E008		Sample Mixing on a Microfluidic Device	GB	Grant	04/798855.8	20 Oct 2004	16992548	13 Sep 2006	16992548	25 Jun 2008	Beddingham, William (01286033); Robble, Barry W (01298318)
59072F008		Sample Mixing on a Microfluidic Device	JP	Grant	2006-543806	20 Oct 2004		4/98/3354		11 May 2012	Beddingham, William (01286033); Robble, Barry W (01298318)
59072G002		Sample Mixing on a Microfluidic Device	US	Grant	10/734682	12 Dec 2004	2005-0129583	21 Jan 2010	8379347	23 Nov 2011	Beddingham, William (01286033); Robble, Barry W (01298318)
59072H009		Sample Mixing on a Microfluidic Device	US	Grant	12/902489	20 Oct 2004	2005/01904	07 Jul 2005	6057757	15 Nov 2011	Beddingham, William (01286033); Robble, Barry W (01298318)
59072M003		Sample Mixing on a Microfluidic Device	US	Grant	US04/39749	24 May 2004	2005-0142663	30 Jun 2005	7939249	10 May 2011	Parthasarathy, Rangani V (01342933); Ericson, Kenya (NMI120123); Beddingham, William (01286033)
59072W003		Sample Mixing on a Microfluidic Device	US	Grant	US04/39749	24 May 2004	2005-0142663	30 Jun 2005	7939249	10 May 2011	Parthasarathy, Rangani V (01342933); Ericson, Kenya (NMI120123); Beddingham, William (01286033)
59072X003		Sample Mixing on a Microfluidic Device	US	Grant	US04/39749	24 May 2004	2005-0142663	30 Jun 2005	7939249	10 May 2011	Parthasarathy, Rangani V (01342933); Ericson, Kenya (NMI120123); Beddingham, William (01286033)
59072Y003		Sample Mixing on a Microfluidic Device	US	Grant	US04/39749	24 May 2004	2005-0142663	30 Jun 2005	7939249	10 May 2011	Parthasarathy, Rangani V (01342933); Ericson, Kenya (NMI120123); Beddingham, William (01286033)
59072Z003		Sample Mixing on a Microfluidic Device	US	Grant	US04/39749	24 May 2004	2005-0142663	30 Jun 2005	7939249	10 May 2011	Parthasarathy, Rangani V (01342933); Ericson, Kenya (NMI120123); Beddingham, William (01286033)
59072A003		Sample Mixing on a Microfluidic Device	US	Grant	US04/39749	24 May 2004	2005-0142663	30 Jun 2005	7939249	10 May 2011	Parthasarathy, Rangani V (01342933); Ericson, Kenya (NMI120123); Beddingham, William (01286033)
59072B006		Sample Processing Device with Compression	BR	Filing	PI0613794-6	30 Jun 2006					Ayala, James (01097613); Beddingham, William (01286033); Robble, Barry W (01298318)
59072C004		Sample Processing Device with Compression	DE	Grant	06/86200.3	30 Jun 2006	1699069	19 Mar 2008	0200603038892.5	19 Jun 2013	Ayala, James (01097613); Beddingham, William (01286033); Robble, Barry W (01298318)
59072D004		Sample Processing Device with Compression	EP	Grant	06/86200.3	30 Jun 2006	1699069	19 Mar 2008	1699069	19 Jun 2013	Ayala, James (01097613); Beddingham, William (01286033); Robble, Barry W (01298318)
59072E004		Sample Processing Device with Compression	FR	Grant	06/86200.3	30 Jun 2006	1699069	19 Mar 2008	1699069	19 Jun 2013	Ayala, James (01097613); Beddingham, William (01286033); Robble, Barry W (01298318)
59072F004		Sample Processing Device with Compression	GB	Grant	06/86200.3	30 Jun 2006	1699069	19 Mar 2008	1699069	19 Jun 2013	Ayala, James (01097613); Beddingham, William (01286033); Robble, Barry W (01298318)
59072G004		Sample Processing Device with Compression	JP	Filing	2008/28	30 Jun 2006					Ayala, James (01097613); Beddingham, William (01286033); Robble, Barry W (01298318)

60702R010	Sample Processing Device with Compression Systems and Method of Using Same	JP	Grant	2008-520326	30 Jun 2006	2009-500625	08 Jan 2009	5027123	29 Jun 2012	Aysta, James (01097613);Bedingham, William (01268033);Kobole, Barry W (01298318)
60702R011	Sample Processing Device with Compression Systems and Method of Using Same	KR	Grant	10-2008-7000206	30 Jun 2006			10-1288764	16 Jul 2013	Aysta, James (01097613);Bedingham, William (01268033);Kobole, Barry W (01298318)
60702R012	Sample Processing Device with Compression Systems and Method of Using Same	KX	Grant	2009/000266	30 Jun 2006			297188	03 Jun 2011	Aysta, James (01097613);Bedingham, William (01268033);Kobole, Barry W (01298318)
60702R015	Sample Processing Device with Compression Systems and Method of Using Same	KX	Grant	2011/005891	03 Jun 2011			315536	21 Nov 2013	Aysta, James (01097613);Bedingham, William (01268033);Kobole, Barry W (01298318)
60702S002	Sample Processing Device Compression Systems and Methods	US	Grant	11/124757	05 Jul 2005	2007-0010007-41	11 Jan 2007	7754474	13 Jul 2010	Aysta, James (01097613);Bedingham, William (01268033);Kobole, Barry W (01298318)
60702S014	Sample Processing Device Compression Systems and Methods	US	Grant	12/793714	04 Jun 2010	2010-0240124	23 Sep 2010	9080409	20 Dec 2011	Aysta, James (01097613);Bedingham, William (01268033);Kobole, Barry W (01298318)
60702M003	Sample Processing Device with Compression Systems and Method of Using Same	WO	National	US2006/025944	30 Jun 2006	2007/005810	11 Jan 2007			Aysta, James (01097613);Bedingham, William (01268033);Kobole, Barry W (01298318)
60730E004	Modular Sample Processing Apparatus Kits and Modules	DE	Grant	06/86235.9	30 Jun 2006	1899733	19 Mar 2008	602006047023.1	24 Sep 2013	Bedingham, William (01268033);Kobole, Barry W (01298318)
60730E004	Modular Sample Processing Apparatus Kits and Modules	EP	Grant	06/86235.9	30 Jun 2006	1899733	19 Mar 2008	1899733	21 Oct 2015	Bedingham, William (01268033);Kobole, Barry W (01298318)
60730E004	Modular Sample Processing Apparatus Kits and Modules	FR	Grant	06/86235.9	30 Jun 2006	1899733	19 Mar 2008	1899733	24 Sep 2015	Bedingham, William (01268033);Kobole, Barry W (01298318)
60730E004	Modular Sample Processing Apparatus Kits and Modules	GB	Grant	06/86235.9	30 Jun 2006	1899733	19 Mar 2008	1899733	24 Sep 2015	Bedingham, William (01268033);Kobole, Barry W (01298318)
60730S002	Modular Sample Processing Apparatus Kits and Modules	US	Grant	11/174756	05 Jul 2005	2007-0007270	11 Jan 2007	7232660	29 Jan 2008	Bedingham, William (01268033);Kobole, Barry W (01298318)
60730S014	Modular Sample Processing Apparatus Kits and Modules	US	Grant	11/930628	31 Oct 2007	2008-0050276	28 Feb 2008	7767937	03 Aug 2010	Bedingham, William (01268033);Kobole, Barry W (01298318)
60733M003	Modular Sample Processing Apparatus Kits and Modules	WO	National	US2006/026017	30 Jun 2006	2007/005854	11 Jan 2007			Bedingham, William (01268033);Kobole, Barry W (01298318)
60734B012	Multiple Fluorescence Detection Device Having Fiber Bundle Coupling Multiple Optical Modules to a Common Detector	BR	Filing	P06609769-3	24 Mar 2006					Bedingham, William (01268033);Kobole, Barry W (01298318)
60734B021	Multiple Fluorescence Detection Device Having Fiber Bundle Coupling Multiple Optical Modules to a Common Detector	BR	Filing	P06609544-5	24 Mar 2006					Bedingham, William (01268033);Kobole, Barry W (01298318)
60734C014	Multiple Fluorescence Detection Device Having Fiber Bundle Coupling Multiple Optical Modules to a Common Detector	CN	Grant	200680011451.9	24 Mar 2006	101156059A	02 Apr 2008	200680011451.9	08 Jun 2011	Bedingham, William (01268033);Kobole, Barry W (01298318)
60734C023	Multiple Fluorescence Detection Device Having Fiber Bundle Coupling Multiple Optical Modules to a Common Detector	CN	Grant	200680019254.1	24 Mar 2006	101189505A	28 Mar 2008	200680019254.1	09 Nov 2011	Bedingham, William (01268033);Kobole, Barry W (01298318)
60734D006	Multiple Fluorescence Detection Device Having Removable Optical Modules	DE	Grant	06739657.2	24 Mar 2006	1866631	19 Dec 2007	602006021554.1	27 Apr 2011	Bedingham, William (01268033);Kobole, Barry W (01298318)
60734D008	Multiple Fluorescence Detection Device Having Removable Optical Modules	DE	Grant	06748651.4	24 Mar 2006	1872112	02 Jan 2008	602006015043.1-08	23 Jun 2010	Bedingham, William (01268033);Kobole, Barry W (01298318)
60734E006	Multiple Fluorescence Detection Device Having Fiber Bundle Coupling Multiple Optical Modules to a Common Detector	EP	Grant	06739657.2	24 Mar 2006	1866631	19 Dec 2007	1866631	27 Apr 2011	Bedingham, William (01268033);Kobole, Barry W (01298318)
60734E008	Multiple Fluorescence Detection Device Having Fiber Bundle Coupling Multiple Optical Modules to a Common Detector	EP	Grant	06748651.4	24 Mar 2006	1872112	02 Jan 2008	1872112	23 Jun 2010	Bedingham, William (01268033);Kobole, Barry W (01298318)
60734E006	Multiple Fluorescence Detection Device Having Fiber Bundle Coupling Multiple Optical Modules to a Common Detector	FR	Grant	06739657.2	24 Mar 2006	1866631	19 Dec 2007	1866631	27 Apr 2011	Bedingham, William (01268033);Kobole, Barry W (01298318)
60734E008	Multiple Fluorescence Detection Device Having Fiber Bundle Coupling Multiple Optical Modules to a Common Detector	FR	Grant	06748651.4	24 Mar 2006	1872112	02 Jan 2008	1872112	23 Jun 2010	Bedingham, William (01268033);Kobole, Barry W (01298318)
60734G006	Multiple Fluorescence Detection Device Having Fiber Bundle Coupling Multiple Optical Modules to a Common Detector	GB	Grant	06739657.2	24 Mar 2006	1866631	19 Dec 2007	1866631	27 Apr 2011	Bedingham, William (01268033);Kobole, Barry W (01298318)
60734G008	Multiple Fluorescence Detection Device Having Fiber Bundle Coupling Multiple Optical Modules to a Common Detector	GB	Grant	06748651.4	24 Mar 2006	1872112	02 Jan 2008	1872112	23 Jun 2010	Bedingham, William (01268033);Kobole, Barry W (01298318)
60734H015	Multiple Fluorescence Detection Device Having Fiber Bundle Coupling Multiple Optical Modules to a Common Detector	IN	Grant	4916/CHEN/2007	24 Mar 2006			266402	23 Apr 2015	Bedingham, William (01268033);Kobole, Barry W (01298318)
60734H024	A Detection Device and a Method of Detecting Multiple Fluorescence	IN	Grant	2007/4914	24 Mar 2006			266679	26 May 2015	Bedingham, William (01268033);Kobole, Barry W (01298318)
60734J016	Multiple Fluorescence Detection Device Having Removable Optical Modules	JP	Grant	2008-504205	24 Mar 2006	559466	28 Aug 2008	5021615	22 Jun 2012	Bedingham, William (01268033);Kobole, Barry W (01298318)
60734J025	Multiple Fluorescence Detection Device Having Removable Optical Modules	JP	Grant	2008-504192	24 Mar 2006	557594	18 Sep 2008	5021614	22 Jun 2012	Bedingham, William (01268033);Kobole, Barry W (01298318)
60734K026	Multiple Fluorescence Detection Device Having Removable Optical Modules	KR	Grant	10-2007-7025261	24 Mar 2006			10-1262362	10 May 2013	Bedingham, William (01268033);Kobole, Barry W (01298318)
60734M018	Multiple Fluorescence Detection Device Having Fiber Bundle Coupling Multiple Optical Modules to a Common Detector	KX	Grant	2007/012158	24 Mar 2006			275196	15 Apr 2010	Bedingham, William (01268033);Kobole, Barry W (01298318)
60734M022	Multiple Fluorescence Detection Device Having Removable Optical Modules	KX	Grant	2007/012159	24 Mar 2006			276217	27 May 2010	Bedingham, William (01268033);Kobole, Barry W (01298318)
60734M023	Multiple Fluorescence Detection Device Having Removable Optical Modules	US	Expired	60/667461	01 Apr 2005					Ludwiese, Peter Daniel (01031605)
60734M024	Multiple Fluorescence Detection Device Having Fiber Bundle Coupling Multiple Optical Modules to a Common Detector	US	Grant	11/174755	05 Jul 2005	2006-023172	05 Oct 2006	7709249	04 May 2010	Bedingham, William (01268033);Kobole, Barry W (01298318)
60734M024	Multiple Fluorescence Detection Device Having Fiber Bundle Coupling Multiple Optical Modules to a Common Detector	US	Grant	11/174754	05 Jul 2005	2006-0223169	05 Oct 2006	7507575	24 Mar 2009	Bedingham, William (01268033);Kobole, Barry W (01298318)
60734M005	Multiple Fluorescence Detection Device Having Fiber Bundle Coupling Multiple Optical Modules to a Common Detector	WO	National	US2006/010978	24 Mar 2006	2006/107637	12 Oct 2006			Bedingham, William (01268033);Kobole, Barry W (01298318)
60734M007	Multiple Fluorescence Detection Device Having Removable Optical Modules	WO	National	US2006/010787	24 Mar 2006	2006/107619	12 Oct 2006			Bedingham, William (01268033);Kobole, Barry W (01298318)
60876R004	Compliant Microfluidic Sample Processing Discs	EP	Publication of application	06/74482.1	30 Jun 2006	18990653	19 Mar 2008			Bedingham, William (01268033);Kobole, Barry W (01298318)
60876R009	Compliant Microfluidic Sample Processing Discs	IN	Filing	2008/27	30 Jun 2006					Bedingham, William (01268033);Kobole, Barry W (01298318)

608765P010	Compliant Microfluidic Sample Processing	JP	Grant	2008-520340	30 Jun 2006	2009-500656	08 Jan 2009	492278937	17 Feb 2012	Bedingham, William (01268033);Kobole, Barry W (01298318)
608764R011	Compliant Microfluidic Sample Processing	KR	Grant	10-2008-7000204	30 Jun 2006		10-1302233	26 Aug 2011	Bedingham, William (01268033);Kobole, Barry W (01298318)	
608764Q012	Compliant Microfluidic Sample Processing	KR	Grant	2008/000264	30 Jun 2006		203298	25 Jan 2011	Bedingham, William (01268033);Kobole, Barry W (01298318)	
608765U002	Compliant Microfluidic Sample Processing	US	Grant	11/174680	05 Jul 2005	2007-0009391	11 Jan 2007	7765210	27 Jul 2010	Bedingham, William (01268033);Kobole, Barry W (01298318)
608765D014	Compliant Microfluidic Sample Processing	US	Grant	11/2821772	23 Jun 2010	2010-0266656	21 Oct 2010	80929759	10 Jan 2012	Bedingham, William (01268033);Kobole, Barry W (01298318)
609376W0003	Compliant Microfluidic Sample Processing	WO	National	US2006/025016	30 Jun 2006	2007/005853	11 Jan 2007		Bedingham, William (01268033);Kobole, Barry W (01298318)	
609158R007	Valve Control System for a Rotating Multiple Fluorescence Detection Device	BR	Filing	PI0613798-9	24 Mar 2006				Bedingham, William (01268033);Ludowise, Peter Daniel (01031605);Kobole, Barry W (01298318)	
609158N009	Valve Control System for a Rotating Multiple Fluorescence Detection Device	CN	Grant	200660024672.X	24 Mar 2006	012184966A	09 Jul 2008	200660024672.X	03 Apr 2013	Bedingham, William (01268033);Ludowise, Peter Daniel (01031605);Kobole, Barry W (01298318)
609158P004	Valve Control System for a Rotating Multiple Fluorescence Detection Device	EP	Publication of	06/738501.2	24 Mar 2006	19/02306	26 Mar 2008		Bedingham, William (01268033);Ludowise, Peter Daniel (01031605);Kobole, Barry W (01298318)	
609158Q010	Valve Control System for a Rotating Multiple Fluorescence Detection Device	IN	Grant	2008/94	24 Mar 2006		2091122		Bedingham, William (01268033);Ludowise, Peter Daniel (01031605);Kobole, Barry W (01298318)	
609158R011	Valve Control System for a Rotating Multiple Fluorescence Detection Device	JP	Grant	2008-350233	24 Mar 2006	2009-500621	08 Jan 2009	4508507	20 Jan 2012	Bedingham, William (01268033);Ludowise, Peter Daniel (01031605);Kobole, Barry W (01298318)
609158K012	Valve Control System for a Rotating Multiple Fluorescence Detection Device	KR	Grant	10-2008-7000203	24 Mar 2006		10-1257130	16 Apr 2010	Bedingham, William (01268033);Ludowise, Peter Daniel (01031605);Kobole, Barry W (01298318)	
609158M013	Valve Control System for a Rotating Multiple Fluorescence Detection Device	KX	Grant	2008/000252	24 Mar 2006		281952		10 Dec 2010	Bedingham, William (01268033);Ludowise, Peter Daniel (01031605);Kobole, Barry W (01298318)
609158O002	Valve Control System for a Rotating Multiple Fluorescence Detection Device	US	Grant	11/174957	05 Jul 2005	2007-0009383	11 Jan 2007	7527763	05 May 2009	Bedingham, William (01268033);Ludowise, Peter Daniel (01031605);Kobole, Barry W (01298318)
609158U015	Valve Control System for a Rotating Multiple Fluorescence Detection Device	US	Grant	12/413008	06 Apr 2009	2009-0189898	30 Jul 2009	7867787	11 Jan 2011	Bedingham, William (01268033);Ludowise, Peter Daniel (01031605);Kobole, Barry W (01298318)
609377M006	Rotatable Sample Processing Disk	EP	Grant	450143	19 Dec 2005		450143		14 Feb 2006	Bedingham, William (01268033);Kobole, Barry W (01298318)
609377P007	Rotatable Sample Processing Disk	JP	Grant	2005-038126	27 Dec 2005	05 Jul 2005	1271346		31 Mar 2006	Bedingham, William (01268033);Kobole, Barry W (01298318)
609377U002	Rotatable Sample Processing Disk	CN	Grant	200780047650.X	21 Dec 2007	101568385	28 Dec 2009	200780047650.X	18 Mar 2008	Bedingham, William (01268033);Kobole, Barry W (01298318)
62471E9004	Thermal Transfer Methods and Structures for Microfluidic Systems	EP	Published	07869741.1	21 Dec 2007	2117713	18 Nov 2009		Bedingham, William (01268033);Kokalel, Chris R (01330357);Pederson, Jeffrey C (01287578)	
62471M0011	Thermal Transfer Methods and Structures for Microfluidic Systems	IN	Filing	3588/2009	21 Dec 2007				Bedingham, William (01268033);Kokalel, Chris R (01330357);Pederson, Jeffrey C (01287578)	
62471K0012	Thermal Transfer Methods and Structures for Microfluidic Systems	KR	Grant	10-2009-7015249	21 Dec 2007	20090094384	04 Sep 2009	10-1595843	21/5/2010	Bedingham, William (01268033);Kokalel, Chris R (01330357);Pederson, Jeffrey C (01287578)
62471U0002	Thermal Transfer Methods and Structures for Microfluidic Systems	US	Published	10-2014-7029120	17 Oct 2014	10-2014-0138302	03 Dec 2014		Bedingham, William (01268033);Kokalel, Chris R (01330357);Pederson, Jeffrey C (01287578)	
62471U0005	Thermal Transfer Methods and Structures for Microfluidic Systems	WO	Grant	11/962703	22 Dec 2006				Bedingham, William (01268033);Kokalel, Chris R (01330357);Pederson, Jeffrey C (01287578)	
62471W0003	Thermal Transfer Methods and Structures for Microfluidic Systems	WO	National	US2007/088532	21 Dec 2007	2008-0149150	28 Jun 2008	8128893	06 Mar 2012	Bedingham, William (01268033);Kokalel, Chris R (01330357);Pederson, Jeffrey C (01287578)
62810D0E04	Supported Reagents, Methods, and Devices	DE	Grant	08746834.4	25 Apr 2008	2140274	06 Jan 2010	0620080282943.0	15 Jan 2011	Bedingham, William (01268033);Kokalel, Chris R (01330357);Pederson, Jeffrey C (01287578)
62810E0F04	Supported Reagents, Methods, and Devices	EP	Opposition	08746834.4	25 Apr 2008	2140274	06 Jan 2010	2140274	15 Jan 2011	Bedingham, William (01268033);Kokalel, Chris R (01330357);Pederson, Jeffrey C (01287578)
62810E5004	Supported Reagents, Methods, and Devices	ES	Grant	08746834.4	25 Apr 2008	2140274	06 Jan 2010	2140274	15 Jan 2011	Bedingham, William (01268033);Kokalel, Chris R (01330357);Pederson, Jeffrey C (01287578)
62810F0004	Supported Reagents, Methods, and Devices	FR	Grant	08746834.4	25 Apr 2008	2140274	06 Jan 2010	2140274	15 Jan 2011	Bedingham, William (01268033);Kokalel, Chris R (01330357);Pederson, Jeffrey C (01287578)
62810G0B04	Supported Reagents, Methods, and Devices	GB	Grant	08746834.4	25 Apr 2008	2140274	06 Jan 2010	2140274	15 Jan 2011	Bedingham, William (01268033);Kokalel, Chris R (01330357);Pederson, Jeffrey C (01287578)
62810U0502	Supported Reagents, Methods, and Devices	US	Expired	60/913814	25 Apr 2007				16 Sep 2014	Bedingham, William (01268033);Kokalel, Chris R (01330357);Pederson, Jeffrey C (01287578)
62810U0505	Supported Reagents, Methods, and Devices	US	Grant	12/597410	25 Apr 2008	2010-0136554	03 Jun 2010	08853157	16 Sep 2014	Bedingham, William (01268033);Kokalel, Chris R (01330357);Pederson, Jeffrey C (01287578)
62810W0003	Supported Reagents, Methods, and Devices	WO	National	US2008/061484	25 Apr 2008	2008/134462	06 Nov 2008		01/02/2013	Bedingham, William (01268033);Kokalel, Chris R (01330357);Pederson, Jeffrey C (01287578)
62821C0009	Enhanced Sample Processing Devices, Systems and Methods	CN	Grant	200780047567.2	21 Dec 2007	101568384A	28 Oct 2009	200780047567.2	01 May 2011	Bedingham, William (01268033);Kokalel, Chris R (01330357);Pederson, Jeffrey C (01287578)
62821D0E04	Enhanced Sample Processing Devices, Systems and Methods	DE	Grant	07869741.4	21 Dec 2007	2107944	14 Oct 2009	60200729422.3	27 Mar 2013	Bedingham, William (01268033);Kokalel, Chris R (01330357);Pederson, Jeffrey C (01287578)
62821E0F04	Enhanced Sample Processing Devices, Systems and Methods	EP	Grant	07869741.4	21 Dec 2007	2107944	14 Oct 2009	2107944	27 Mar 2013	Bedingham, William (01268033);Kokalel, Chris R (01330357);Pederson, Jeffrey C (01287578)
62821F0004	Enhanced Sample Processing Devices, Systems and Methods	FR	Grant	07869741.4	21 Dec 2007	2107944	14 Oct 2009	2107944	27 Mar 2013	Bedingham, William (01268033);Kokalel, Chris R (01330357);Pederson, Jeffrey C (01287578)
62821G0B04	Enhanced Sample Processing Devices, Systems and Methods	GB	Grant	07869741.4	21 Dec 2007	2107944	14 Oct 2009	2107944	27 Mar 2013	Bedingham, William (01268033);Kokalel, Chris R (01330357);Pederson, Jeffrey C (01287578)
62821H0N01	Enhanced Sample Processing Devices, Systems and Methods	IN	Filing	2009/2607	21 Dec 2007				27 Mar 2013	Bedingham, William (01268033);Kokalel, Chris R (01330357);Pederson, Jeffrey C (01287578)
62821J0U02	Enhanced Sample Processing Devices, Systems and Methods	US	Expired	60/876720	22 Dec 2006				03 Jul 2008	Bedingham, William (01268033);Kokalel, Chris R (01330357);Pederson, Jeffrey C (01287578)
62821W0003	Enhanced Sample Processing Devices, Systems and Methods	WO	National	US2007/088536	22 Dec 2006	2008/080046	03 Jul 2008		26 Nov 2014	Bedingham, William (01268033);Kokalel, Chris R (01330357);Pederson, Jeffrey C (01287578)
6402ZC0008	Analysis of Nucleic Acid Amplification Curves	CN	Grant	200980159169.6	24 Apr 2009	102046607	04 May 2011	200980159169.6	03 Dec 2014	Bedingham, William (01268033);Kokalel, Chris R (01330357);Pederson, Jeffrey C (01287578)
6402ZD0E04	Analysis of Nucleic Acid Amplification Curves	DE	Grant	09734723.1	24 Apr 2009	2276849	26 Jan 2011	2009020902070.0	03 Dec 2014	Bedingham, William (01268033);Kokalel, Chris R (01330357);Pederson, Jeffrey C (01287578)
6402ZE0F04	Analysis of Nucleic Acid Amplification Curves	EP	Grant	09734723.1	24 Apr 2009	2276849	26 Jan 2011	2276849	03 Dec 2014	Bedingham, William (01268033);Kokalel, Chris R (01330357);Pederson, Jeffrey C (01287578)
6402ZF0004	Analysis of Nucleic Acid Amplification Curves	FR	Grant	09734723.1	24 Apr 2009	2276849	26 Jan 2011	2276849	03 Dec 2014	Bedingham, William (01268033);Kokalel, Chris R (01330357);Pederson, Jeffrey C (01287578)
6402ZG0004	Analysis of Nucleic Acid Amplification Curves	GB	Grant	09734723.1	24 Apr 2009	2276849	26 Jan 2011	2276849	03 Dec 2014	Bedingham, William (01268033);Kokalel, Chris R (01330357);Pederson, Jeffrey C (01287578)
6402ZJ0U02	Analysis of Nucleic Acid Amplification Curves	US	Expired	61/047606	24 Apr 2008				01 Sep 2015	Ludowise, Peter Daniel (01031605)
6402ZK0U05	Analysis of Nucleic Acid Amplification Curves	US	Grant	12/988820	24 Apr 2009	2011-0039274	17 Feb 2011	9121055	01 Sep 2015	Ludowise, Peter Daniel (01031605)

64232W0003	Analysis of Nucleic Acid Amplification Curves	WO	National	US2009/041656	24 Apr 2009	2009/132266	29 Oct 2009	Ludwidge, Peter Daniel (01031605)
63232Z0007	Using X-ray for Transcription	CN	Grant	3010800404235.5	31 May 2010	102469270	30 May 2012	Ludwidge, Peter Daniel (01031605)
65232E0004	Compensation for Spectral Crosstalk in Multiple Nucleic Acid Amplification	EP	Publication of application	10013913.4	31 Aug 2010	12475788	18 Jul 2012	Ludwidge, Peter Daniel (01031605)
65232W0008	Compensation for Spectral Crosstalk in Multiple Nucleic Acid Amplification	KR	Filing	US2010/047265	31 Aug 2010			Ludwidge, Peter Daniel (01031605)
65232U0002	Compensation for Spectral Crosstalk in Multiple Nucleic Acid Amplification	US	Expired	61/241307	10 Sep 2009			Ludwidge, Peter Daniel (01031605)
65232S0005	Compensation for Spectral Crosstalk in Multiple Nucleic Acid Amplification	US	Expired	61/258287	24 Jun 2010			Ludwidge, Peter Daniel (01031605)
65232U0006	Compensation for Spectral Crosstalk in Multiple Nucleic Acid Amplification	US	Published	13/394944	31 Aug 2010	012171677	05 Jul 2012	Ludwidge, Peter Daniel (01031605)
65232W0003	Compensation for Spectral Crosstalk in Multiple Nucleic Acid Amplification	WO	National	US2010/047265	31 Aug 2010	2011/031585	17 Mar 2011	Ludwidge, Peter Daniel (01031605)
65861W0003	Amplification Systems and Methods for Sample Processing Devices	WO	National	US2009/064372	13 Nov 2009	2011/059444	19 May 2011	Bedingham, William (01256033); Ludwidge, Peter Daniel (01031605); Pederson, Jeffrey C (01287578); Robble, Barry W (01298319); Kakaee, Chris R (01330357)
65917Z0004	Systems and Methods for Processing Sample Processing Devices	EP	Publication of application	09/64353.7	13 Nov 2009	2499498	19 Sep 2012	Robble, Barry W (01298319); Bedingham, William (01256033); Ludwidge, Peter Daniel (01031605); Pederson, Jeffrey C (01287578)
65917U0002	Systems for Processing Sample Processing Devices	US	Grant	12/617921	13 Nov 2009	2011/0115656	19 May 2011	Robble, Barry W (01298319); Bedingham, William (01256033); Ludwidge, Peter Daniel (01031605); Pederson, Jeffrey C (01287578)
65917W0003	Systems and Methods for Processing Sample Processing Devices	WO	National	US2009/064365	13 Nov 2009	2011/059443	19 May 2011	Robble, Barry W (01298319); Bedingham, William (01256033)
65983G0004	Sample Processing Disk Cover	CN	Grant	201030173109.8	13 May 2010		201030173109.8	Bedingham, William (01256033); Ludwidge, Peter Daniel (01031605); Pederson, Jeffrey C (01287578); Robble, Barry W (01298319)
65983E0005	Laboratory Analytical Apparatus	EM	Grant	12/3136 - 1/2	10 May 2010		12/3136 - 1/2	Bedingham, William (01256033); Ludwidge, Peter Daniel (01031605); Pederson, Jeffrey C (01287578); Robble, Barry W (01298319)
65983U0002	Sample Processing Disk Cover	US	Grant	29/350282	13 Nov 2009		0538550	Bedingham, William (01256033); Ludwidge, Peter Daniel (01031605); Pederson, Jeffrey C (01287578); Robble, Barry W (01298319)
65984A0002	Sample Processing Disk Cover	US	Grant	29/350284	13 Nov 2009		0538951	Bedingham, William (01256033); Ludwidge, Peter Daniel (01031605); Pederson, Jeffrey C (01287578); Robble, Barry W (01298319)
67257A0006	Systems and Methods for Valving on a Sample Processing Device	AU	Grant	2012255142	18 May 2012		2012255142	Ludwidge, Peter Daniel (01031605); Smith, Jeffrey Douglas (01297772)
67257B0007	Systems and Methods for Valving on a Sample Processing Device	BR	Filing	11/013027290.7	18 May 2012			Ludwidge, Peter Daniel (01031605); Smith, Jeffrey Douglas (01297772)
67257C0008	Systems and Methods for Valving on a Sample Processing Device	CN	Published	201280021952.4	18 May 2012	1035019084	08 Jan 2014	Ludwidge, Peter Daniel (01031605); Smith, Jeffrey Douglas (01297772)
67257E0009	Systems and Methods for Valving on a Sample Processing Device	EP	Publication of application	12/23253.4	18 May 2012	2209760	26 Mar 2014	Ludwidge, Peter Daniel (01031605); Smith, Jeffrey Douglas (01297772)
67257F0010	Systems and Methods for Valving on a Sample Processing Device	IN	Publication of application	8717/CHEM/13	18 May 2012	8717/CHEM/2013 A	12 Sep 2014	Ludwidge, Peter Daniel (01031605); Smith, Jeffrey Douglas (01297772)
67257K0013	Sample Processing Device	KR	Filing	2013-7028860	18 May 2012			Ludwidge, Peter Daniel (01031605); Smith, Jeffrey Douglas (01297772)
67257M0012	Systems and Methods for Valving on a Sample Processing Device	KX	Filing	KX/A/2013/012687	18 May 2012			Ludwidge, Peter Daniel (01031605); Smith, Jeffrey Douglas (01297772)
67257U0002	Systems and Methods for Valving on a Sample Processing Device	US	Expired	61/487659	18 May 2011			Ludwidge, Peter Daniel (01031605); Smith, Jeffrey Douglas (01297772)
67257U0003	Systems and Methods for Valving on a Sample Processing Device	US	Expired	61/490012	25 May 2011			Ludwidge, Peter Daniel (01031605); Smith, Jeffrey Douglas (01297772)
67257U0005	Systems and Methods for Valving on a Sample Processing Device	WO	Grant	13/474779	18 May 2012	2012/0391665	22 Nov 2012	Ludwidge, Peter Daniel (01031605); Smith, Jeffrey Douglas (01297772)
67257W0004	Systems and Methods for Valving on a Sample Processing Device	AU	Grant	US2012/038420	18 May 2012	2012/158988	22 Nov 2012	Ludwidge, Peter Daniel (01031605); Smith, Jeffrey Douglas (01297772)
67258A0006	Systems and Methods for Volumetric Metering on a Sample Processing Device	AU	Grant	2012255144	18 May 2012		2012255144	Ludwidge, Peter Daniel (01031605); Whitman, David Alan (01310768); Smith, Jeffrey Douglas (01297772)
67258B0007	Systems and Methods for Volumetric Metering on a Sample Processing Device	BR	Filing	11/2013027903.6	18 May 2012			Ludwidge, Peter Daniel (01031605); Whitman, David Alan (01310768); Smith, Jeffrey Douglas (01297772)
6738C0006	Systems and Methods for Volumetric Metering on a Sample Processing Device	CN	Grant	201280024062.5	18 May 2012	201280024062.5	29 Jan 2014	Ludwidge, Peter Daniel (01031605); Whitman, David Alan (01310768); Smith, Jeffrey Douglas (01297772)
67228E0009	Systems and Methods for Volumetric Metering on a Sample Processing Device	EP	Publication of application	12/24481.2	18 May 2012	22709761	26 Mar 2014	Ludwidge, Peter Daniel (01031605); Whitman, David Alan (01310768); Smith, Jeffrey Douglas (01297772)
67258I0010	Systems and Methods for Volumetric Metering on a Sample Processing Device	IN	Publication of application	8606/CHEM/13	18 May 2012	8606/CHEM/13 A	12 Dec 2014	Ludwidge, Peter Daniel (01031605); Whitman, David Alan (01310768); Smith, Jeffrey Douglas (01297772)
67258K0013	Systems and Methods for Volumetric Metering on a Sample Processing Device	KR	Filing	2013-7028881	18 May 2012			Ludwidge, Peter Daniel (01031605); Whitman, David Alan (01310768); Smith, Jeffrey Douglas (01297772)
67258M0012	Systems and Methods for Volumetric Metering on a Sample Processing Device	KX	Filing	KX/A/2013/012573	18 May 2012			Ludwidge, Peter Daniel (01031605); Whitman, David Alan (01310768); Smith, Jeffrey Douglas (01297772)
67258U0002	Systems and Methods for Volumetric Metering on a Sample Processing Device	US	Expired	61/487672	18 May 2011			Ludwidge, Peter Daniel (01031605); Whitman, David Alan (01310768); Smith, Jeffrey Douglas (01297772)
67258U0003	Systems and Methods for Volumetric Metering on a Sample Processing Device	US	Expired	61/490014	25 May 2011			Ludwidge, Peter Daniel (01031605); Whitman, David Alan (01310768); Smith, Jeffrey Douglas (01297772)
67258U0005	Systems and Methods for Volumetric Metering on a Sample Processing Device	US	Grant	13/474873	18 May 2012	2012-0291538	22 Nov 2012	Ludwidge, Peter Daniel (01031605); Whitman, David Alan (01310768); Smith, Jeffrey Douglas (01297772)
67258W0004	Systems and Methods for Volumetric Metering on a Sample Processing Device	WO	National	US2012/038478	18 May 2012	2012/158990	22 Nov 2012	Ludwidge, Peter Daniel (01031605); Whitman, David Alan (01310768); Smith, Jeffrey Douglas (01297772)
67259A0005	Systems and Methods for Detecting the Presence of a Selected Volume of Material in a Sample Processing Device	AU	Grant	2012255151	18 May 2012		2012255151	Ludwidge, Peter Daniel (01031605); Whitman, David Alan (01310768); Smith, Jeffrey Douglas (01297772)
67259B0006	Systems and Methods for Detecting the Presence of a Selected Volume of Material in a Sample Processing Device	BR	Filing	11/20130293818	18 May 2012			Ludwidge, Peter Daniel (01031605); Whitman, David Alan (01310768); Smith, Jeffrey Douglas (01297772)
67259E0008	Systems and Methods for Detecting the Presence of a Selected Volume of Material in a Sample Processing Device	EP	Publication of application	13/272770.0	18 May 2012	22709762	26 Mar 2014	Whitman, David Alan (01310768); Ludwidge, Peter Daniel (01031605); Amantour, Kyle C (INV-07152011-1); Ekerf, Maurice (INV-07152011-2); Jacky, Lucien A.E. (INV-07152011-3); Rabd, Michelle M. (INV-07152011-4)
67259K0012	Systems and Methods for Detecting the Presence of a Selected Volume of Material in a Sample Processing Device	KR	Filing	10-2013-7033201	18 May 2012			Whitman, David Alan (01310768); Ludwidge, Peter Daniel (01031605); Amantour, Kyle C (INV-07152011-1); Ekerf, Maurice (INV-07152011-2); Jacky, Lucien A.E. (INV-07152011-3); Rabd, Michelle M. (INV-07152011-4)
67259W0011	Systems and Methods for Detecting the Presence of a Selected Volume of Material in a Sample Processing Device	KX	Filing	KX/A/13/013149	18 May 2012			Whitman, David Alan (01310768); Ludwidge, Peter Daniel (01031605); Amantour, Kyle C (INV-07152011-1); Ekerf, Maurice (INV-07152011-2); Jacky, Lucien A.E. (INV-07152011-3); Rabd, Michelle M. (INV-07152011-4)

67239US002	Yes	Systems and Methods for Detecting the Presence of a Selected Volume of Material in a Sample Processing Device	US	Expired	6/1/487618	18 May 2011					Whitman, David Alan (01310768);Ludowise, Peter Daniel (01031605);Armantout, Kyle C. (INV-07152011-1);Exner, Maurice (INV-07152011-2);Jacky, Lucien A.E. (INV-07152011-3);Trabb, Michelle M. (INV-07152011-4)
67239US004	Yes	Systems and Methods for Detecting the Presence of a Selected Volume of Material in a Sample Processing Device	US	Grant	13/474903	18 May 2012	2012-0293796	22 Nov 2012	9168523	27 Oct 2015	Whitman, David Alan (01310768);Ludowise, Peter Daniel (01031605);Armantout, Kyle C. (INV-07152011-1);Exner, Maurice (INV-07152011-2);Jacky, Lucien A.E. (INV-07152011-3);Trabb, Michelle M. (INV-07152011-4)
67239US014	Yes	Systems and Methods for Detecting the Presence of a Selected Volume of Material in a Sample Processing Device	US	Filing	14/881506	13 Oct 2015					Whitman, David Alan (01310768);Ludowise, Peter Daniel (01031605);Armantout, Kyle C. (INV-07152011-1);Exner, Maurice (INV-07152011-2);Jacky, Lucien A.E. (INV-07152011-3);Trabb, Michelle M. (INV-07152011-4)
67239W0003	Yes	Systems and Methods for Detecting the Presence of a Selected Volume of Material in a Sample Processing Device	WO	National	US2012/038498	18 May 2012	2012/158997	22 Nov 2012			Whitman, David Alan (01310768);Ludowise, Peter Daniel (01031605);Armantout, Kyle C. (INV-07152011-1);Exner, Maurice (INV-07152011-2);Jacky, Lucien A.E. (INV-07152011-3);Trabb, Michelle M. (INV-07152011-4)
67274US002	Yes	Systems and Methods for Detecting the Presence of a Selected Volume of Material in a Sample Processing Device	US	Grant	13/364821	04 Feb 2011			0667561	18 Sep 2012	Whitman, David Alan (01310768);Ludowise, Peter Daniel (01031605);Armantout, Kyle C. (INV-07152011-1);Exner, Maurice (INV-07152011-2);Jacky, Lucien A.E. (INV-07152011-3);Trabb, Michelle M. (INV-07152011-4)
67417US002	Yes	Disk for a Rotatable Sample Processing Disk	US	Grant	12/932223	18 May 2011			0672467	11 Dec 2012	Smith, Jeffrey Douglas (01297272);Ludowise, Peter Daniel (01031605)
67417US003	Yes	Rotatable Sample Processing Disk	US	Grant	12/931512	07 Sep 2012			0677395	05 Mar 2013	Smith, Jeffrey Douglas (01297272);Ludowise, Peter Daniel (01031605)

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