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OMB Collection 0651-0027 (exp. 02/28/2009)

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

RECORDATION FORM COVER SHEET
TRADEMARKS ONLY

To the Director of the U. S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies):
OSMETECH TECHNOLOGY INC.

☐ Individual(s) ☐ Association
☐ General Partnership ☐ Limited Partnership
☒ Corporation- State: DELAWARE
☐ Other

Citizenship (see guidelines)

Additional names of conveying parties attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)
Additional names, addresses, or citizenship attached? ☐ Yes ☒ No

Name: Square 1 Bank
Internal Address: Lee Conner
Street Address: 406 Blackwell Street, Suite 240
City: Durham
State: North Carolina
Country: USA Zip: 27701

☐ Association Citizenship
☐ General Partnership Citizenship
☐ Limited Partnership Citizenship
☒ Corporation Citizenship North Carolina
☐ Other Citizenship

If assignee is not domiciled in the United States, a domestic representative designation is attached: ☐ Yes ☐ No
(Designations must be a separate document from assignment)

3. Nature of conveyance)/Execution Date(s) :
Execution Date(s) 03/12/2010

☐ Assignment ☐ Merger
☒ Security Agreement ☐ Change of Name
☐ Other

4. Application number(s) or registration number(s) and identification or description of the Trademark.
A. Trademark Application No.(s)
77/841,387 and as more particularly described in Exhibit C

B. Trademark Registration No.(s)

Additional sheet(s) attached? ☒ Yes ☐ No

C. Identification or Description of Trademark(s) (and Filing Date if Application or Registration Number is unknown):

5. Name & address of party to whom correspondence concerning document should be mailed:
Name: Lee Conner
Internal Address: Square 1 Bank
Street Address: 406 Blackwell Street, Suite 240
City: Durham
State: North Carolina Zip: 27701
Phone Number: 919-314-3099
Fax Number: 919-354-1278 NEW
Email Address:

6. Total number of applications and registrations involved: 2

7. Total fee (37 CFR 2.6(b)(6) & 3.41) $ 65

☒ Authorized to be charged to deposit account
☐ Enclosed

8. Payment Information:

Deposit Account Number 50-3822
Authorized User Name Lee Conner

9. Signature:

Signature — 04/01/10 Date

Lee Conner
Name of Person Signing

Total number of pages including cover sheet, attachments, and document: 16

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

CH $65.00 503822 77841387

EXHIBIT C

TRADEMARKS

Description	Registration/ Application Number	Registration/ Application Date
GenMark	77/841,387	10/05/2009
OSMETECH	77/525,030	07/17/2008

INTELLECTUAL PROPERTY SECURITY AGREEMENT

THIS INTELLECTUAL PROPERTY SECURITY AGREEMENT is entered into as of March 12, 2010 by and between **SQUARE 1 BANK** ("***Bank***") and **OSMETECH TECHNOLOGY, INC.**, a Delaware corporation ("***Grantor***").

RECITALS

A. Bank has agreed to make certain advances of money and to extend certain financial accommodations to Grantor (the "Loans") in the amounts and manner set forth in that certain Loan and Security Agreement by and between Bank and Grantor dated of even date herewith (as the same may be amended, modified or supplemented from time to time, the "Loan Agreement"; capitalized terms used herein are used as defined in the Loan Agreement).

B. Bank is willing to extend and to continue to extend financial accommodations to Grantor, but only upon the condition, among others, that Grantor shall grant to Bank a security interest in certain Copyrights, Trademarks and Patents to secure the obligations of Grantor under the Loan Agreement.

C. Pursuant to the terms of the Loan Agreement, Grantor has granted to Bank a security interest in all of Grantor's right, title and interest, whether presently existing or hereafter acquired, in, to and under all of the Collateral.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, and intending to be legally bound, as collateral security for the prompt and complete payment when due of its obligations under the Loan Agreement and all other agreements now existing or hereafter arising between Grantor and Bank, Grantor hereby represents, warrants, covenants and agrees as follows:

AGREEMENT

To secure its Obligations to Bank, Grantor grants and pledges to Bank a security interest in all of Grantor's right, title and interest in, to and under its Intellectual Property (including without limitation those Copyrights, Patents and Trademarks listed on Exhibits A, B and C hereto), and including without limitation all proceeds thereof (such as, by way of example but not by way of limitation, license royalties and proceeds of infringement suits), the right to sue for past, present and future infringements, all rights corresponding thereto throughout the world and all re-issues, divisions continuations, renewals, extensions and continuations-in-part thereof (collectively, "Intellectual Property Collateral").

This security interest is granted in conjunction with the security interest granted to Bank under the Loan Agreement. The rights and remedies of Bank with respect to the security interest granted hereby are in addition to those set forth in the Loan Agreement and the other Loan Documents, and those which are now or hereafter available to Bank as a matter of law or equity. Each right, power and remedy of Bank provided for herein or in the Loan Agreement or any of the Loan Documents, or now or hereafter existing at law or in equity shall be cumulative and concurrent and shall be in addition to every right, power or remedy provided for herein and the

exercise by Bank of any one or more of the rights, powers or remedies provided for in this Intellectual Property Security Agreement, the Loan Agreement or any of the other Loan Documents, or now or hereafter existing at law or in equity, shall not preclude the simultaneous or later exercise by any person, including Bank, of any or all other rights, powers or remedies.

Grantor represents and warrants that Exhibits A, B, and C attached hereto set forth any and all intellectual property rights in connection to which Grantor has registered or filed an application with either the United States Patent and Trademark Office or the United States Copyright Office, as applicable.

SIGNATURE PAGE FOLLOWS

IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

GRANTOR:

Address of Grantor:

OSMETECH TECHNOLOGY, INC.

757 S. Raymond Avenue
Pasadena, CA 91105

By: _____

Title: CFO, Secty

BANK:

Address of Bank:

SQUARE 1 BANK

406 Blackwell Street, Suite 240
Durham, NC 27701
Attn: Loan Documentation Department

By: _____

Title: SVP

square 1 bank

EXHIBIT A

COPYRIGHTS

Description	Registration Number	Registration Date
None.		

EXHIBIT B
PATENTS

Patent Title	Inventors	US Application Number	Filing Date	Patent #	Issue Date	Foreign Application Number	Foreign Publication Number	Foreign Patent Number
Electrodes Linked Via Conductive Oligomers to Nucleic Acids	Kayyem, O'Conner, Meade, Gozin,Yu	08/743,798	11/5/1996	6,096,273	8/1/2000			
Electrodes Linked Via Conductive Oligomers to Nucleic Acids	Kayyem, O'Conner, Meade, Gozin,Yu	08/873,978	6/12/1997	7,014,992	3/21/2006			
Electrodes Linked Via Conductive Oligomers to Nucleic Acids	Kayyem, O'Conner, Meade, Gozin,Yu	08/899,510	7/24/1997	6,221,583	4/24/2001			
Methods of Attaching Conductive Oligers to Electrodes	Kayyem, O'Conner, Meade, Gozin,Yu	08/911,085	8/14/1997	6,090,933	7/18/2000			
Electrodes Linked Via Conductive Oligomers to Nucleic Acids	Kayyem, O'Conner, Meade, Gozin,Yu		11/5/1997			11-503184 521668/1998	JP2001507930 (T)	JP4072206 (B2)
Electrodes Linked Via Conductive Oligomers to Nucleic Acids	Kayyem, O'Conner, Meade, Gozin,Yu		11/5/1997			PCT/US97/20014 EP19970946876	WO 98/20162 A2 EP0939762 (A2)	
Electrodes Linked Via Conductive Oligomers to Nucleic Acids	Kayyem, O'Conner, Meade, Gozin,Yu	09/557,577	4/21/2000	7,045,285	5/16/2006			
Electrodes Linked Via Conductive Oligomers to Nucleic Acids	Kayyem, O'Conner, Meade, Gozin,Yu	09/577,429	5/22/2000	6,479,240	11/12/2002			
Electrodes Linked Via Conductive Oligomers to Nucleic Acids	Kayyem, O'Conner, Meade, Gozin,Yu	10/081,936	2/20/2002	6,977,151	12/20/2005			
Electrodes Linked Via Conductive Oligomers to Nucleic Acids	Kayyem, O'Conner, Meade, Gozin,Yu	10/236,481	9/5/2002	7,125,668	10/24/2006			
Electrodes Linked Via Conductive Oligomers to Nucleic Acids	Kayyem, O'Conner, Meade, Gozin,Yu	11/295.993	12/6/2005	7,381,533	6/8/2008			
Electrodes Linked Via Conductive Oligomers to Nucleic Acids	Kayyem, O'Conner, Meade, Gozin	11/343,462	1/30/2006	7,384,749	6/10/2008			
AC Methods for the Detection of Nucleic Acids	Kayyem, O'Conner	08/873,597	6/12/1997	7,381,525	6/3/2008			

Patent Title	Inventors	US Application Number	Filing Date	Patent #	Issue Date	Foreign Application Number	Foreign Publication Number	Foreign Patent Number
AC Methods for the Detection of Nucleic Acids	Kayyem, O'Conner	08/911,589	8/14/1997	6,232,062	5/15/2001			
AC Methods for the Detection of Nucleic Acids	Kayyem, O'Conner	09/660,374	9/12/2000	6,495,323	12/17/2002			
AC Methods for the Detection of Nucleic Acids	Kayyem, O'Conner	10/241,376	9/11/2002	7,056,669	6/6/2006			
Electronic Methods for the Detection of Analytes	Kayyem, O'Conner	09/096,593	6/12/1998	7,560,237	7/14/2009			
Electronic Methods for the Detection of Analytes	Kayyem, O'Conner	11/981,645	10/30/2007	7,601,507	10/13/2009			
Electronic Methods for the Detection of Analytes	Kayyem, O'Conner	11/981,735	10/30/2007	Allowed				
Electronic Methods for the Detection of Analytes	Kayyem, O'Conner	12/366,471				FD		
Electronic Methods for the Detection of Analytes	Kayyem, O'Conner					503325/1999	JP2001514762 (T)	JP4124830 (B2)
Electronic Methods for the Detection of Analytes	Kayyem, O'Conner					CA2293744 (A1)	CA2293744 (A1)	
Electronic Methods for the Detection of Analytes	Kayyem, O'Conner		6/12/1998			PCT/US98/12430 EP19980930238	WO 98/57159 A1 EP0988534 (A1)	
Detection of Analytes Using Reorganization Energy	Meade	08/873,977	6/12/1997	6,013,459	1/11/2000			
Detection of Analytes Using Reorganization Energy	Meade	09/096,504	6/12/1998	6,013,170	1/11/2000			
Detection of Analytes Using Reorganization Energy	Meade					AU7835598 (A)	AU7835598 (A)	AU747345 (B2)
Detection of Analytes Using Reorganization Energy	Meade					CA2292696 (A1)	CA2292696 (A1)	
Detection of Analytes Using Reorganization Energy	Meade		6/12/1998			JP19990503184T	JP2002504230 (T)	

Patent Title	Inventors	US Application Number	Filing Date	Patent #	Issue Date	Foreign Application Number	Foreign Publication Number	Foreign Patent Number
Detection of Analytes Using Reorganization Energy	Meade					PCT/US98/12082 EP19980926542	WO 98/57158 A1 EP0988532	
Detection of Analytes Using Reorganization Energy	Meade	09/417,988	10/13/1999	6,248,229	6/19/2001			
Detection of Analytes Using Reorganization Energy	Meade	09/841,809	4/24/2001	7,018,523	3/28/2006			
Detection of Analytes Using Reorganization Energy	Meade	11/283,233	11/18/2005	7,267,939	9/11/2007			
Detection of Analytes Using Reorganization Energy	Meade	11/832,792	8/2/2007	7,514,228	4/7/2009			
Detection of Analytes Using Reorganization Energy	Meade		10/30/2007	7,566,534				
Detection of Analytes Using Reorganization Energy	Meade	11/980,203	10/30/2007	7,595,153	9/29/2009			
Detection of Analytes Using Reorganization Energy	Meade	11/978,930	10/30/2007	7,582,419	9/1/2009			
Detection of Analytes Using Reorganization Energy	Meade	11/978,971	10/30/2007	7,579,145	8/25/2009			
Signal Detection of Techniques for the Detection of Analytes	Doung, Gonazalez, Kayyem, O'Conner, Olsen, Turbrueggan, Litvack	09/397,957	9/17/1999	6,740,518	5/25/2004			
Signal Detection Techniques for the Detection of Analytes	Doung, Gonazalez, Kayyem, O'Conner, Olsen, Turbrueggan, Litvack					PCT/US99/21683 EP19990949735	WO 00/16089 A2 EP1114317 (A2)	
Signal Detection of Techniques for the Detection of Analytes	Doung, Gonazalez, Kayyem, O'Conner, Olsen, Turbrueggan, Litvack		9/17/1999			JP20000570575T	JP2002525577 (T)	

Patent Title	Inventors	US Application Number	Filing Date	Patent #	Issue Date	Foreign Application Number	Foreign Publication Number	Foreign Patent Number
Signal Detection of Techniques for the Detection of Analytes	Doung, Gonazalez, Kayyem, O'Conner, Olsen, Turbrueggan, Litvack	10/714,489	11/14/2003					
Cycling Probe Technology using Electron Transfer Detection	Kayyem	09/014,304	1/27/1998	6,063,573	1/27/1998			
Electronic Methods for the Detection of Analytes	Yu	09/306,653	5/6/1999	6,600,026	7/29/2003			
Electronic Methods for the Detection of Analytes	Bambad, Yu		5/6/1999			CA2331189 (A1)	CA2331189 (A1)	
Electronic Methods for the Detection of Analytes	Bambad, Yu		5/6/1999			PCT/US/98/12430 EP19980930238	WO9857159 (A1) EP0988534 (A1)	
Electronic Methods for the Detection of Analytes Using Monolayers	Bambad, Yu		5/6/1999			PCT/US/99/10104 EP19990924156	WO9957317 (A9) EP1075549 (A1)	EP1075549 (B1)
Electronic Methods for the Detection of Analytes Using Monolayers	Bambad, Yu		5/6/1999			PCT/US/99/10104 EP19990924156	WO9957317 (A9) EP1075549 (A1)	EP1075549 (B1)
Electronic Methods for the Detection of Analytes Using Monolayers	Bambad, Yu		5/6/1999			PCT/US/99/10104 EP19990924156	WO9957317 (A9) EP1075549 (A1)	EP1075549 (B1)
Electronic Methods for the Detection of Analytes Using Monolayers	Bambad, Yu		5/6/1999			PCT/US/99/10104 EP19990924156	WO9957317 (A9) EP1075549 (A1)	EP1075549 (B1)
Electronic Methods for the Detection of Analytes Using Monolayers	Bambad, Yu		5/6/1999			PCT/US/99/10104 EP19990924156	WO9957317 (A9) EP1075549 (A1)	EP1075549 (B1)
Electronic Methods for the Detection of Analytes	O'Conner					JP19990503325T	JP2001514762 (T)	JP4124830 (B2)
Electronic Methods for the Detection of Analytes	O'Conner							

Patent Title	Inventors	US Application Number	Filing Date	Patent #	Issue Date	Foreign Application Number	Foreign Publication Number	Foreign Patent Number
Compositions for the electronic detection of analytes utilizing monolayers	Bambad, Yu	09/452,277	11/30/1999	7,160,678	1/9/2007			
Compositions for the Electronic Detection of Analytes Using Monolayers	Kayyem	11/208,384	8/19/2005	7,393,645	7/1/2008			
Systems for Electrophretic Transport and Detection of Analytes	Blackburn, Kayyem	09/134,058	8/14/1998	6,290,839	9/18/2001			
Bind Acceleration Techniques for the Detection of Analytes	Blackburn, Irvine, O'Conner, Terbrueggan, Vielmetter,	09/338,726	6/23/1999	6,264,825	7/24/2001			
Printed Circuit Boards with Monolayers and Capture Ligands	Irvine, O'Conner, Terbrueggan, Vielmetter,	09/520,477	3/8/2000	6,761,816	7/13/2004			
Bind Acceleration Techniques for the Detection of Analytes	Blackburn, Kayyem Vielmetter	09/712,792	11/13/2000	7,087,148	8/8/2006			
Bind Acceleration Techniques for the Detection of Analytes	Blackburn, Kayyem Vielmetter		11/13/2000			JP20010536580T	JP2003514227 (T)	JP3548159 (B2)
Bind Acceleration Techniques for the Detection of Analytes	Blackburn, Kayyem Vielmetter		11/13/2000			2330182		
Bind Acceleration Techniques for the Detection of Analytes	Blackburn, Kayyem Vielmetter		11/13/2000			PCT/US00/31233 EP20000978615	WO 01/35100 A2 EP1254372 (A2)	EP1254372 (B1)
Bind Acceleration Techniques for the Detection of Analytes	Blackburn, Kayyem Vielmetter		11/13/2000			PCT/US00/31233 EP20000978615	WO 01/35100 A2 EP1254372 (A2)	EP1254372 (B1)
Bind Acceleration Techniques for the Detection of Analytes	Blackburn, Kayyem Vielmetter		11/13/2000			PCT/US00/31233 EP20000978615	WO 01/35100 A2 EP1254372 (A2)	EP1254372 (B1)
Bind Acceleration Techniques for the Detection of Analytes	Blackburn, Kayyem Vielmetter	10/823,503	4/12/2004	7,655,129	2/2/2010			
Detection of Target Analytes Using Particles and Electrodes	Bambad, Mucic	09/428,155	10/27/1999	6,541,617	4/1/2003			
Detection of Target Analytes Using Particles and Electrodes	Bambad, Mucic	10/016,416	12/10/2001					
Detection of Target Analytes Using Particles and Electrodes	Bambad, Mucic	11/982,377	10/31/2007					

Patent Title	Inventors	US Application Number	Filing Date	Patent #	Issue Date	Foreign Application Number	Foreign Publication Number	Foreign Patent Number
Detection of Target Analytes Using Particles and Electrodes	Bambad, Mucic	11/982,378	10/31/2007					
Detection of Target Analytes Using Particles and Electrodes	Bambad, Mucic	11/982,435	10/31/2007					
Microfluidic systems in the electrochemical detection of target analytes	Kayyem	09/295,691	4/21/1999	6,942,771	9/13/2005			
The Use of Microfluidic Systems in the Electrochemical Detection of Analytes	Kayyem	11/043,515	1/25/2005	7,534,331	5/19/2009			
The Use of Microfluidic Systems in the Electrochemical Detection of Analytes	Kayyem	11/981,541	10/30/2007		9/13/2005			
The Use of Microfluidic Systems in the Electrochemical Detection of Analytes	Kayyem	11/981,592	10/31/2007		9/13/2005			
The Use of Microfluidic Systems in the Electrochemical Detection of Analytes	Kayyem					PCT/US00/10903 EP20000923580	WO 00/62931 A1 DE60007306 (T2) EP1183102 (B1)	1183102
The Use of Microfluidic Systems in the Electrochemical Detection of Analytes	Kayyem					PCT/US00/10903 EP20000923580	WO 00/62931 A1 ES2213009 (T3) EP1183102 (B1)	1183102
The Use of Microfluidic Systems in the Electrochemical Detection of Analytes	Kayyem					PCT/US00/10903 EP20000923580	WO 00/62931 A1 EP1183102 (B1)	1183102
The Use of Microfluidic Systems in the Electrochemical Detection of Analytes	Kayyem					PCT/US00/10903 EP20000923580	WO 00/62931 A1 EP1183102 (B1)	1183102
Biosensors Utilizing Ligand Induced Conformational Changes	Kayyem, Plaxco	09/489,459	1/21/2000	6,432,723	8/13/2002			
Tissue Collection Devices Containing Biosensors	Kayyem	09/427,657	12/27/1999	6,833,267	12/21/2004			
Amplification of Nucleic Acids with Eletronic Detection	Kayyem	09/238,351	1/27/1999	7,090,804	8/15/2006			
Amplification of Nucleic Acids with Eletronic Detection	Kayyem, Blackburn, Irvine, Sheldon,	09/621,275	7/20/2000	6,686,150	2/3/2004			

Patent Title	Inventors	US Application Number	Filing Date	Patent #	Issue Date	Foreign Application Number	Foreign Publication Number	Foreign Patent Number
Amplification of Nucleic Acids with Eletronic Detection	Blackburn	10/746,904	11/15/2004					
Target analyte detection using asymmetrical self-assembled monolayers	Blackburn, Irvine, Terbrueggan, Umek, Yu	09/847,113	5/1/2001	6,753,143	6/22/2004			
Sequence determination of nucleic acids using electronic detection	Blackburn, Irvine, Terbrueggan, Umek, Yu	09/626,096	7/26/2000	On Appeal File Con!				
Sequence Determination of Nucleic Acids Using Electronic Detection	Blackburn, Irvine, Terbrueggan, Umek, Yu		7/26/2000			PCT/US00/20476 EP20000953701	WO 01/07665 A2 EP1218541 (A2)	EP1218541 (B1)
Sequence Determination of Nucleic Acids Using Electronic Detection	Blackburn, Irvine, Terbrueggan, Umek, Yu		7/26/2000			PCT/US00/20476 EP20000953701	WO 01/07665 A2 EP1218541 (A2)	EP1218541 (B1)
Sequence Determination of Nucleic Acids Using Electronic Detection	Blackburn, Irvine, Terbrueggan, Umek, Yu		7/26/2000			PCT/US00/20476 EP20000953701	WO 01/07665 A2 EP1218541 (A2)	EP1218541 (B1)
Sequence Determination of Nucleic Acids Using Electronic Detection	Blackburn, Irvine, Terbrueggan, Umek, Yu		7/26/2000			PCT/US00/20476 EP20000953701	WO 01/07665 A2 EP1218541 (A2)	EP1218541 (B1)
Sequence Determination of Nucleic Acids Using Electronic Detection	Blackburn, Irvine, Terbrueggan, Umek, Yu		7/26/2000		3/9/2007	JP2001051293OT	3926625 JP2004500033 (T)	JP3926625 (B2)
Devices and Methods for Biochip Multiplexing	Doung, Kayyem, Olsen, Pietri, Terbrueggan	09/760,384	1/11/2001	7,312,087	12/25,2007			
Devices and Methods for Biochip Multiplexing	Doung, Kayyem, O'Conner	09/993,342	11/5/2001	7,172,897				
Devices and Methods for Biochip Multiplexing	Doung, Kayyem, O'Conner	11/532,872	9/18/2006					
Devices and Methods for Biochip Multiplexing	Doung, Kayyem, O'Conner	11/627,011	1/25/2007					
Devices and Methods for Biochip Multiplexing	Doung, Kayyem, O'Conner	11/779,024	7/17/2007					
Devices and Methods for Biochip Multiplexing	Doung, Kayyem, O'Conner	11/982,334	10/31/2007					

Patent Title	Inventors	US Application Number	Filing Date	Patent #	Issue Date	Foreign Application Number	Foreign Publication Number	Foreign Patent Number
Devices and Methods for Biochip Multiplexing	Doung, Kayyem, O'Conner	11/982.368	10/31/2007					
Devices and Methods for Biochip Multiplexing	Doung, Kayyem, O'Conner	11/982,403	10/31/2007					
Devices and Methods for Biochip Multiplexing	Doung, Kayyem, O'Conner	11/982,408	10/31/2007					
Cartridge Comprising a Biochip	Blackburn, Doung, Kayyem, Olsen, Pietri, Terbrueggan		1/11/2001			PCT/US01/01150 EP20010946805	WO 01/54813 A2 EP20010946805	EP1246699 (B1)
Cartridge Comprising a Biochip	Blackburn, Doung, Kayyem, Olsen, Pietri, Terbrueggan		1/11/2001			PCT/US01/01150 EP20010946805	WO 01/54813 A2 EP20010946805	EP1246699 (B1)
Cartridge Comprising a Biochip	Blackburn, Doung, Kayyem, Olsen, Pietri, Terbrueggan		1/11/2001			PCT/US01/01150 EP20010946805	WO 01/54813 A2 EP20010946805	EP1246699 (B1)
Cartridge Comprising a Biochip	Blackburn, Doung, Kayyem, Olsen, Pietri, Terbrueggan		1/11/2001			PCT/US01/01150 EP20010946805	WO 01/54813 A2 EP20010946805	EP1246699 (B1)
Cartridge Comprising a Biochip	Doung, Kayyem, Olsen, Pietri, Terbrueggan		1/11/2001			PCT/US01/01150 EP20010946805	WO 01/54813 A2 EP20010946805	EP1246699 (B1)
Cartridge Comprising a Biochip	Blackburn, Doung, Kayyem, Olsen, Pietri, Terbrueggan		1/11/2001			PCT/US01/01150 EP01987105.2	WO 01/54813 A2 EP01987105.2	
Devices and Methods for Biochip Multiplexing	Doung, Kayyem, Olsen, Pietri, Terbrueggan, Zenhausern, Grodzinski		11/5/2001			JP2007061787		
Devices and Methods for Biochip Multiplexing	Doung, Kayyem, Olsen, Pietri, Terbrueggan, Zenhausern, Grodzinski		11/5/2001			PCT/US01/44364	WO 02/43864 A2	
Target Analyte Detection Using Asymmetric Self-Assemble Monolayers	Tao, Chu	09/847,113	5/1/2001	6,753,143	6/22/2004			
Target Analyte Detection Using Asymmetric Self-Assemble Monolayers	Tao, Yu	10/823,502	4/12/2004					

Patent Title	Inventors	US Application Number	Filing Date	Patent #	Issue Date	Foreign Application Number	Foreign Publication Number	Foreign Patent Number
Electrochemical Detection of Single Base Extension	Maracas, Shi, Gallagher, Choong	09/459,685	12/13/1999	6,518,024	2/11/2003			
Method and Apparatus for Performing BiologicalReactions on a Substrate Surface	Hawkins, Kahn, Tuggle, McGarry	09/458,534	12/9/1999	6,642,046	11/4/2003			
Biochannel Assay for Hybridization with Biomaterial	Yu, Foley, Choong, Shieh	09/438,600	11/12/1999	6,361,958	3/26/2002			
Biochannel Assay for Hybridization with Biomaterial	Yu, Foley, Choong, Shieh	10/028,277	12/19/2001	6,960,467	11/1/2005			
Biochannel Assay for Hybridization with Biomaterial	Yu, Foley, Choong, Shieh		11/9/2000			EP20030010981	EP1350568	EP1350568 B1
Biochannel Assay for Hybridization with Biomaterial	Yu, Foley, Choong, Shieh		11/9/2000			EP20030010981	EP1350568	EP1350568 B1
Biochannel Assay for Hybridization with Biomaterial	Yu, Foley, Choong, Shieh		11/9/2000			EP20030010981	EP1350568	EP1350568 B1
Biochannel Assay for Hybridization with Biomaterial	Yu, Foley, Choong, Shieh		11/9/2000			EP20030010981	EP1350568	EP1350568 B1
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