

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM361783

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	Release of Security Interest Reel Frame 5519-0491		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
General Electric Capital Corporation, as Agent		10/28/2015	CORPORATION: DELAWARE
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	Affymetrix, Inc.		
<b>Street Address:</b>	3420 Central Expressway		
<b>City:</b>	Santa Clara		
<b>State/Country:</b>	CALIFORNIA		
<b>Postal Code:</b>	95051		
<b>Entity Type:</b>	CORPORATION: DELAWARE		
<b>PROPERTY NUMBERS Total: 4</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Registration Number:</b>	3685094	EG	
<b>Registration Number:</b>	3675342	EUREKA GENOMICS	
<b>Registration Number:</b>	3675344	EUREKAGENOMICS	
<b>Registration Number:</b>	3871237	XNA	
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	8004947512		
<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>			
<b>Phone:</b>	2023704750		
<b>Email:</b>	ipteam@nationalcorp.com		
<b>Correspondent Name:</b>	Darlena Bari Stark		
<b>Address Line 1:</b>	1025 Vermont Ave NW, Suite 1130		
<b>Address Line 2:</b>	National Corporate Research, Ltd.		
<b>Address Line 4:</b>	Washington, D.C. 20005		
<b>ATTORNEY DOCKET NUMBER:</b>	F159352		
<b>NAME OF SUBMITTER:</b>	Sonya Jackman		
<b>SIGNATURE:</b>	/Sonya Jackman/		
<b>DATE SIGNED:</b>	11/10/2015		
<b>Total Attachments: 275</b>			

OP \$115.00 3685094
















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The Trademark Security Agreement dated as of May 13, 2015, by Borrower in favor of Agent, which was recorded with the United States Patent and Trademark Office (the "USPTO") on May 19, 2015 at Reel 5519, Frame 0491 and covering the following trademarks:

1. REGISTERED TRADEMARKS

Trademark	Jurisdiction	Reg. No.	International Class	Filing Date	Reg. Date
EG & design: 	Thailand	SM45618	042: Biotechnology research and development services for others, namely, genome sequencing, genome mapping, genome analysis and compute service for genome sequencing	10/21/08	01/29/10
EG + design: 	U.S. Federal	3685094	042: Biotechnology research and development services for others, namely, genome sequencing, genome mapping, genome analysis and scientific research and analysis in the fields of genetics and bioinformatics	07/30/08	09/22/09
EUREKA GENOMICS	U.S. Federal	3675342	042: Biotechnology research and development services for others, namely, genome sequencing, genome mapping, genome analysis and scientific research and analysis in the fields of genetics and bioinformatics	07/30/08	09/01/09
EUREKAGENOMICS & design: 	U.S. Federal	3675344	042: Biotechnology research and development services for others, namely, genome sequencing,	07/30/08	09/01/09

Trademark	Jurisdiction	Reg. No.	International Class	Filing Date	Reg. Date
			genome mapping, genome analysis and scientific research and analysis in the fields of genetics and bioinformatics		
XNA	U.S. Federal	3871237	042: Biotechnology research and development services for others, namely, genome sequencing, genome mapping, genome analysis and scientific research and analysis in the fields of genetics and bioinformatics	06/29/09	11/02/10

2. TRADEMARK APPLICATIONS

None

**RELEASE OF SECURITY INTEREST  
IN INTELLECTUAL PROPERTY COLLATERAL**

This **RELEASE OF SECURITY INTEREST IN INTELLECTUAL PROPERTY COLLATERAL** (this “**Release**”), dated as of October 28, 2015, is made by GENERAL ELECTRIC CAPITAL CORPORATION, as agent (“**Agent**”), under the Credit Agreement referred to below (terms used in this Release and not herein defined shall have the meanings set forth in the Credit Agreement).

**WHEREAS**, in connection with that certain Credit Agreement, dated as of June 25, 2012 (as amended, restated, supplemented or otherwise modified from time to time, and together with all general security agreements, trademark security agreements, and copyright security agreements entered into in connection therewith or in connection with prior versions thereof, the “**Credit Agreement**”), among Affymetrix, Inc. (the “**Borrower**”), the other Credit Parties, the Lenders party thereto and Agent, each Grantor (as defined in the Guaranty and Security Agreement (as defined below)), agreed, pursuant to the Guaranty and Security Agreement, dated as of June 25, 2012, in favor of Agent (as the same may be amended, restated, supplemented or otherwise modified from time to time, the “**Guaranty and Security Agreement**”), to guarantee the Obligations of the Borrower;

**WHEREAS**, in connection with the Credit Agreement and the Guaranty and Security Agreement and pursuant to each Trademark Security Agreement, Patent Security Agreement and Copyright Security Agreement described on Annex I hereto (collectively, the “**Security Agreements**”), the Grantors granted security interests in certain intellectual property owned by such Grantors, including the intellectual property listed on Annex I hereto (collectively, the “**Intellectual Property Collateral**”); and

**WHEREAS**, the Security Agreements were recorded in the United States Patent and Trademark Office or the United States Copyright Office, as applicable, on the dates and on the reels, and frames or volumes, as set forth on Annex I hereto.

**NOW THEREFORE**, Agent hereby **RELEASES**, without representation, recourse or warranty whatsoever, all of its security interest in the Intellectual Property Collateral, whether granted pursuant to the Security Agreements or any other agreement or document delivered in connection with the Credit Agreement, and Agent hereby reassigns any and all such right, title and interest (if any) that Agent may have in the Intellectual Property Collateral to the Grantors, respectively.

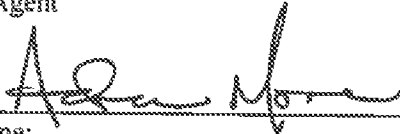
Agent agrees, at the Grantors’ expense, to cooperate with the Grantors and to provide the Grantors with the information and additional authorization reasonably required or desirable to effect the release of Agent’s security interest in the released collateral described herein.

This Release and the rights and obligations of the parties hereto shall be governed by, and construed and interpreted in accordance with, the laws of the State of New York.

[Signature Page Follows]

IN WITNESS WHEREOF, Agent has executed this Release as of the date first above written.

GENERAL ELECTRIC CAPITAL CORPORATION,  
as Agent

By:   
Name: \_\_\_\_\_  
Title: Duly Authorized Signatory

**Andrew D Moore**  
**Duly Authorized Signatory**

[Signature Page to Release of Security Interest in Intellectual Property Collateral]

The Trademark Security Agreement dated as of June 25, 2012, by Borrower in favor of Agent, which was recorded with the United States Patent and Trademark Office (the "USPTO") on June 25, 2012 at Reel 4807, Frame 0853 and covering the following trademarks:

**Trademarks**

Name of Credit Party	Registration/Application Number and Date (Indicate if an application)	Date of Registration/Application	Jurisdiction of Registration or Application	Description of Trademarks, Tradenames or Service Marks
Affymetrix, Inc.	888078	08/16/2001	Australia	AFFYMETRIX
Affymetrix, Inc.	808641	09/09/1999	Australia	GENECHIP
Affymetrix, Inc.	978532	04/13/2004	Australia	GENOSPECTRA & Design
Affymetrix, Inc.	815003	06/02/2000	Australia	Helix Design
Affymetrix, Inc.	824108868	02/12/2008	Brazil	AFFYMETRIX
Affymetrix, Inc.	824108833	02/12/2008	Brazil	AFFYMETRIX
Affymetrix, Inc.	824108850	02/12/2008	Brazil	AFFYMETRIX
Affymetrix, Inc.	824108841	02/12/2008	Brazil	AFFYMETRIX
Affymetrix, Inc.	824108876	02/12/2008	Brazil	AFFYMETRIX
Affymetrix, Inc.	822145383	10/04/2005	Brazil	GENECHIP
Affymetrix, Inc.	822145393	10/04/2005	Brazil	GENECHIP
Affymetrix, Inc.	822145413	08/17/2004	Brazil	GENECHIP
Affymetrix, Inc.	822145421	08/17/2004	Brazil	GENECHIP
Affymetrix, Inc.	822145405	08/17/2004	Brazil	GENECHIP
Affymetrix, Inc.	TMA590,022	09/17/2003	Canada	AFFYMETRIX
Affymetrix, Inc.	TMA553,877	11/13/2001	Canada	GENECHIP
Affymetrix, Inc.	TMA612913	06/16/2004	Canada	GENOSPECTRA
Affymetrix, Inc.	3037675	06/14/2003	China P.R.	AFFYMETRIX
Affymetrix, Inc.	3037674	02/28/2003	China P.R.	AFFYMETRIX
Affymetrix, Inc.	3037673	02/28/2003	China P.R.	AFFYMETRIX
Affymetrix, Inc.	3037672	04/07/2004	China P.R.	AFFYMETRIX
Affymetrix, Inc.	3037671	03/07/2003	China P.R.	AFFYMETRIX
Affymetrix, Inc.	4896103	09/07/2008	China P.R.	AFFYMETRIX (in Chinese)
Affymetrix, Inc.	4896104	05/07/2009	China P.R.	AFFYMETRIX (in Chinese)
Affymetrix, Inc.	4896102	01/14/2009	China P.R.	AFFYMETRIX (in Chinese)
Affymetrix, Inc.	4896101	01/14/2009	China P.R.	AFFYMETRIX (in Chinese)
Affymetrix, Inc.	4896095	05/07/2009	China P.R.	AFFYMETRIX (in English and Chinese)
Affymetrix, Inc.	4895428	09/07/2008	China P.R.	AFFYMETRIX (in English and Chinese)
Affymetrix, Inc.	4895429	01/14/2009	China P.R.	AFFYMETRIX (in English and Chinese)
Affymetrix, Inc.	4896105	01/14/2009	China P.R.	AFFYMETRIX (in English and Chinese)
Affymetrix, Inc.	3026159	08/21/2005	China P.R.	GENECHIP
Affymetrix, Inc.	3026160	09/21/2004	China P.R.	GENECHIP
Affymetrix, Inc.	3026161	07/14/2003	China P.R.	GENECHIP
Affymetrix, Inc.	8410301	07/07/2011	China P.R.	GENETATLAS
Affymetrix, Inc.	8410302	07/07/2011	China P.R.	GENETITAN
Affymetrix, Inc.	G941377	09/28/2007	China P.R.	PANOMICS



Affymetrix, Inc.	000151569	11/10/1998	Community Trademark	AFFYMETRIX
Affymetrix, Inc.	004263942	01/30/2006	Community Trademark	CSHRNA
Affymetrix, Inc.	004262978	01/30/2006	Community Trademark	CSIRNA
Affymetrix, Inc.	009189978	12/06/2010	Community Trademark	GENEATLAS
Affymetrix, Inc.	000005678	11/28/2001	Community Trademark	GENECHIP
Affymetrix, Inc.	003518537	04/14/2005	Community Trademark	GENOSPECTRA & Design
Affymetrix, Inc.	001229930	11/06/2003	Community Trademark	Helix Design
Affymetrix, Inc.	941377	09/28/2007	Community Trademark	PANOMICS
Affymetrix, Inc.	034756288	10/16/2008	Community Trademark	PROCARTA
Affymetrix, Inc.	008425557	10/30/2008	Community Trademark	QUANTIGENE
Affymetrix, Inc.	200400497AA	11/21/2001	Hong Kong	AFFYMETRIX
Affymetrix, Inc.	300450465	01/08/2006	Hong Kong	AFFYMETRIX (in Chinese)
Affymetrix, Inc.	300460447	01/06/2006	Hong Kong	AFFYMETRIX (in English and Chinese)
Affymetrix, Inc.	2002B14217AA	11/15/2001	Hong Kong	GENECHIP
Affymetrix, Inc.	300103535	10/31/2003	Hong Kong	GENOSPECTRA & Design
Affymetrix, Inc.	46/2002	01/03/2002	Iceland	AFFYMETRIX
Affymetrix, Inc.	24/2000	01/04/2000	Iceland	GENECHIP
Affymetrix, Inc.	941377	09/28/2007	International	PANOMICS
Affymetrix, Inc.	128942	01/03/2001	Israel	GENECHIP
Affymetrix, Inc.	128944	01/03/2001	Israel	GENECHIP
Affymetrix, Inc.	128946	01/03/2001	Israel	GENECHIP
Affymetrix, Inc.	128943	01/03/2001	Israel	GENECHIP
Affymetrix, Inc.	4818124	11/12/2004	Japan	AFFYMETRIX
Affymetrix, Inc.	4908216	11/11/2005	Japan	CSHRNA
Affymetrix, Inc.	5003594	11/17/2005	Japan	GENECHIP
Affymetrix, Inc.	4195932	10/09/1998	Japan	GENECHIP
Affymetrix, Inc.	4202204	10/23/1998	Japan	GENECHIP
Affymetrix, Inc.	4807412	10/01/2004	Japan	GENECHIP and THE SELECTED STANDARD (in Japanese)
Affymetrix, Inc.	4865081	05/20/2005	Japan	GENOSPECTRA & Design
Affymetrix, Inc.	4995579	10/13/2006	Japan	Helix Design
Affymetrix, Inc.	941377	09/28/2007	Japan	PANOMICS
Affymetrix, Inc.	4995247	10/13/2006	Japan	PROCARTA
Affymetrix, Inc.	01010919	08/08/2008	Malaysia	AFFYMETRIX
Affymetrix, Inc.	01010922	06/03/2008	Malaysia	AFFYMETRIX
Affymetrix, Inc.	01010918	08/13/2004	Malaysia	AFFYMETRIX
Affymetrix, Inc.	01010920	07/15/2004	Malaysia	AFFYMETRIX
Affymetrix, Inc.	01010921	07/15/2004	Malaysia	AFFYMETRIX

Affymetrix, Inc.	01010505	07/01/2004	Malaysia	GENECHIP
Affymetrix, Inc.	01010508	07/09/2007	Malaysia	GENECHIP
Affymetrix, Inc.	01010509	08/13/2001	Malaysia	GENECHIP
Affymetrix, Inc.	01010506	05/17/2004	Malaysia	GENECHIP
Affymetrix, Inc.	01010507	07/24/2004	Malaysia	GENECHIP
Affymetrix, Inc.	643905	02/21/2002	New Zealand	AFFYMETRIX
Affymetrix, Inc.	643906	02/21/2002	New Zealand	AFFYMETRIX
Affymetrix, Inc.	643907	02/21/2002	New Zealand	AFFYMETRIX
Affymetrix, Inc.	643908	02/21/2002	New Zealand	AFFYMETRIX
Affymetrix, Inc.	643909	02/21/2002	New Zealand	AFFYMETRIX
Affymetrix, Inc.	642936	02/09/2004	New Zealand	GENECHIP
Affymetrix, Inc.	642937	02/09/2004	New Zealand	GENECHIP
Affymetrix, Inc.	642938	02/09/2004	New Zealand	GENECHIP
Affymetrix, Inc.	642939	02/09/2004	New Zealand	GENECHIP
Affymetrix, Inc.	642940	02/09/2004	New Zealand	GENECHIP
Affymetrix, Inc.	T0113186C	08/22/2001	Singapore	AFFYMETRIX
Affymetrix, Inc.	T0113187A	08/22/2001	Singapore	AFFYMETRIX
Affymetrix, Inc.	T0113188Z	08/22/2001	Singapore	AFFYMETRIX
Affymetrix, Inc.	T0113189H	08/22/2001	Singapore	AFFYMETRIX
Affymetrix, Inc.	T0113190A	08/22/2001	Singapore	AFFYMETRIX
Affymetrix, Inc.	T0112655Z	08/13/2001	Singapore	GENECHIP
Affymetrix, Inc.	T0112656H	08/13/2001	Singapore	GENECHIP
Affymetrix, Inc.	T0112657F	08/13/2001	Singapore	GENECHIP
Affymetrix, Inc.	T0112658D	08/13/2001	Singapore	GENECHIP
Affymetrix, Inc.	T0112659B	08/13/2001	Singapore	GENECHIP
Affymetrix, Inc.	T0317447J	12/28/2004	Singapore	GENOSPECTRA & Design
Affymetrix, Inc.	T0317450J	05/02/2003	Singapore	GENOSPECTRA & Design
Affymetrix, Inc.	8814	12/04/2003	South Korea	AFFYMETRIX
Affymetrix, Inc.	P494174	08/21/2001	Switzerland	AFFYMETRIX
Affymetrix, Inc.	P486 157	01/31/1996	Switzerland	GENECHIP
Affymetrix, Inc.	522656	08/29/2004	Switzerland	GENOSPECTRA & Design
Affymetrix, Inc.	01021503	11/16/2002	Taiwan	AFFYMETRIX
Affymetrix, Inc.	01020214	11/01/2002	Taiwan	AFFYMETRIX
Affymetrix, Inc.	01040234	04/16/2003	Taiwan	AFFYMETRIX
Affymetrix, Inc.	01061366	10/16/2003	Taiwan	AFFYMETRIX
Affymetrix, Inc.	00186579	09/01/2003	Taiwan	AFFYMETRIX
Affymetrix, Inc.	1227598	09/01/2006	Taiwan	AFFYMETRIX (in Chinese)
Affymetrix, Inc.	1227599	09/01/2006	Taiwan	AFFYMETRIX (in English and Chinese)
Affymetrix, Inc.	01032416	02/16/2003	Taiwan	GENECHIP
Affymetrix, Inc.	01048435	07/01/2003	Taiwan	GENECHIP
Affymetrix, Inc.	01036737	03/16/2003	Taiwan	GENECHIP
Affymetrix, Inc.	01040549	04/16/2003	Taiwan	GENECHIP
Affymetrix, Inc.	01050795	07/16/2003	Taiwan	GENECHIP
Affymetrix, Inc.	00186574	09/01/2003	Taiwan	GENECHIP
Affymetrix, Inc.	1126652	11/16/2004	Taiwan	GENOSPECTRA & Design
Affymetrix, Inc.	2,204,161	11/17/1998	United States	AFFYMETRIX
Affymetrix, Inc.	1,866,612	12/06/1994	United States	AFFYMETRIX
Affymetrix, Inc.	2,007,269	10/06/1996	United States	AFFYMETRIX

Affymetrix, Inc.	3,994,261	07/12/2011	United States	AFFYMETRIX & Helix Design
Affymetrix, Inc.	3,958,163	05/10/2011	United States	AFFYMETRIX & Helix Design on Platinum Plate
Affymetrix, Inc.	3,500,512	09/16/2008	United States	Array Configuration
Affymetrix, Inc.	2,369,100	07/18/2008	United States	Array Design
Affymetrix, Inc.	4,128,169	04/17/2012	United States	AXIOM
Affymetrix, Inc.	3,886,861	05/24/2011	United States	AXIOM
Affymetrix, Inc.	4,135,406	05/01/2012	United States	COMMAND CONSOLE
Affymetrix, Inc.	3,289,226	09/04/2007	United States	COMMAND CONSOLE
Affymetrix, Inc.	4,050,437	11/01/2011	United States	CYTOSCAN
Affymetrix, Inc.	3,927,347	03/08/2011	United States	GensAtlas
Affymetrix, Inc.	2,203,029	11/10/1998	United States	GENECHIP
Affymetrix, Inc.	2,045,143	03/11/1997	United States	GENECHIP
Affymetrix, Inc.	3,729,516	12/22/2009	United States	GENETITAN
Affymetrix, Inc.	2,467,029	07/10/2001	United States	Helix Design
Affymetrix, Inc.	65,085,589	07/15/2010	United States	MAGNITAQ
Affymetrix, Inc.	3,145,542	09/19/2006	United States	NETAFFX
Affymetrix, Inc.	65,107,410	08/13/2010	United States	ONCOSCAN
Affymetrix, Inc.	3,483,741	08/12/2008	United States	PANOMICS
Affymetrix, Inc.	85,430,392	09/23/2011	United States	PRIMEVIEW
Affymetrix, Inc.	3,299,563	09/25/2007	United States	PROGATA
Affymetrix, Inc.	3,375,756	08/06/2000	United States	QUANTIGENE
Affymetrix, Inc.	3,971,516	05/31/2011	United States	VERIQUEST
Affymetrix, Inc.	1,211,150	10/5/1982	United States	BIOBLAND
Affymetrix, Inc.	2,030,128	1/14/1997	United States	C-HEGA
Affymetrix, Inc.	2,030,128	1/14/1997	United States	HEGA
Affymetrix, Inc.	2,073,422	6/24/1997	United States	CYMAL
Affymetrix, Inc.	2,250,987	6/8/1999	United States	ANAGRADE
Affymetrix, Inc.	2,254,935	6/22/1999	United States	ANAPOE
Affymetrix, Inc.	2,260,438	7/13/1999	United States	SOL-GRADE
Affymetrix, Inc.	2,260,438	7/13/1999	United States	FOS-CHOLINE
Affymetrix, Inc.	2,310,817	1/25/2000	United States	CYGLU
Affymetrix, Inc.	2,788,434	12/2/2003	United States	FOS-MEA
Affymetrix, Inc.	2,790,690	12/9/2003	United States	ANZERGENT
Affymetrix, Inc.	2,790,691	12/9/2003	United States	ANAMEG
Affymetrix, Inc.	2,886,091	9/21/2004	United States	PMAL
Affymetrix, Inc.	2,940,521	4/12/2005	United States	SHERPA
Affymetrix, Inc.	3,432,339	5/20/2008	United States	LYSOFOS
Affymetrix, Inc.	3,487,472	8/19/2008	United States	ANATRACE

The Trademark Security Agreement dated as of June 25, 2012, by eBioscience, Inc. in favor of Agent, which was recorded with the United States Patent and Trademark Office (the "USPTO") on June 25, 2012 at Reel 4807, Frame 0798 and covering the following trademarks:

#### Trademarks

Owner	Registration/Application Number and Date(indicate if an application)	Date of Registration/Application	Jurisdiction of Registration or Application	Description of Trademarks, Tradenames or Service Marks
eBioscience, Inc.	3630183	06/02/2009	United States	EFLUOR
eBioscience, Inc.	3607893	04/14/2009	United States	BESTPROTOCOLS
eBioscience, Inc.	3637795	06/16/2009	United States	READY-SET-GO!
eBioscience, Inc.	3585904	03/10/2009	United States	TRUEBLOT ULTRA
eBioscience, Inc.	3585903	03/10/2009	United States	TRUEBLOT
eBioscience, Inc.	3607891	04/14/2009	United States	FULL SPECTRUM CELL ANALYSIS
eBioscience, Inc.	3579220	02/24/2009	United States	THE NEW STANDARD OF EXCELLENCE
eBioscience, Inc.	3642072	06/23/2009	United States	EBIOSCIENCE
Bender Medsystems, GmbH	212263	09/12/2003	Austria	Hermes (design mark)
Bender Medsystems, GmbH	IR 818799	10/14/2003	Japan	Hermes (design mark)
Bender Medsystems, GmbH	2918972	01/18/2005	United States	Hermes (design mark)
Bender Medsystems, GmbH	22661	03/14/2002	Austria	Instant ELISA (word mark)
Bender Medsystems, GmbH	IR 784708	06/17/2002	Japan	Instant ELISA (word mark)
Bender Medsystems, GmbH	2857072	06/22/2004	United States	Instant ELISA (word mark)
Bender Medsystems, GmbH	202818	03/21/2002	Austria	Instant ELISA (word mark & design)
Affymetrix, Inc.	886078	08/16/2001	Australia	AFFYMETRIX
Affymetrix, Inc.	806641	09/09/1999	Australia	GENECHIP

The Patent Security Agreement dated as of June 25, 2012, by Borrower in favor of Agent, which was recorded with the United States Patent and Trademark Office (the "USPTO") on June 27, 2012 at Reel 028465, Frame 0541 and covering the following patents:

See attached

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1000.1/ European Patent Convention	PCT	90909187.8 07-Jun-1990 Affymetrix, Inc. Affymetrix	0476014 13-Dec-1990	0476014B1 31-Aug-1994	Granted
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i>					
<i>Title:</i> Large Scale Photolithographic Solid Phase Synthesis of Polypeptides and Receptor Binding Screening Thereof					
1000.1/ Israel	ORD	94551 29-May-1990 Affymetrix, Inc. Affymetrix		94551 02-Jul-1995	Granted
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i>					
<i>Title:</i> Large Scale Photolithographic Solid Phase Synthesis of Polypeptides and Receptor Binding Screening Thereof					
1000.1/ Korea, Republic of	ORD	91-701791 07-Jun-1990 Affymetrix, Inc. Affymetrix	97-1577	118659 11-Feb-1997	Granted
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i>					
<i>Title:</i> Large Scale Photolithographic Solid Phase Synthesis of Polypeptides and Receptor Binding Screening Thereof					
1000.1/ Mexico	ORD	21058 07-Jun-1990 Affymetrix, Inc. Affymetrix		180397 11-Jan-1996	Granted
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i>					
<i>Title:</i> Large Scale Photolithographic Solid Phase Synthesis of Polypeptides and Receptor Binding Screening Thereof					

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1000.1/ New Zealand	ORD	233886 31-May-1990		233886 30-Jun-1993	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>		<i>Attorney(s):</i> PLM <i>Division Ref:</i> <i>Agent Ref:</i>	
		<i>Title:</i> Large Scale Photolithographic Solid Phase Synthesis of Polypeptides and Receptor Binding Screening Thereof			
1000.1/ United Kingdom	ORD	9125996.0 07-Jun-1990		2248840B 01-Dec-1993	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>		<i>Attorney(s):</i> PLM <i>Division Ref:</i> <i>Agent Ref:</i>	
		<i>Title:</i> Large Scale Photolithographic Solid Phase Synthesis of Polypeptides and Receptor Binding Screening Thereof			
1000.1/ United States of America	CIP	07/492,462 07-Mar-1990		5,143,854 01-Sep-1992	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz		<i>Attorney(s):</i> PLM <i>Division Ref:</i> <i>Agent Ref:</i>	
		<i>Title:</i> Large Scale Photolithographic Solid Phase Synthesis of Polypeptides and Receptor Binding Screening Thereof			
1000.1/GB/ Hong Kong	ORD	9125996 07-Jun-1990		613/95 01-Dec-1993	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>		<i>Attorney(s):</i> PLM <i>Division Ref:</i> <i>Agent Ref:</i>	
		<i>Title:</i> Very Large Scale Immobilized Polymer Synthesis			

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1000.1A/ Singapore	PCT	9125996.0 07-Jun-1990		526/1994 01-Dec-1993	Granted
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i>					
<i>Title:</i> Very Large Scale Immobilized Polymer Synthesis					
1000.1A/ Australia	DIV	77655/94 07-Jun-1990		672723 29-Jan-1997	Granted
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i>					
<i>Title:</i> Very Large Scale Immobilized Polymer Synthesis					
1000.1A/ Canada	DIV	2,278,878 16-Aug-1999		2,278,878 17-Sep-2002	Granted
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Joe Liebeschuetz					
<i>Title:</i> Very Large Scale Immobilized Polymer Synthesis					
1000.1A/ Korea, Republic of	DIV	96-705897 21-Oct-1996		118362 16-Jul-1997	Granted
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i>					
<i>Title:</i> Very Large Scale Immobilized Polymer Synthesis					



Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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1000.1A/ Netherlands	DIV	90909187.8 07-Jun-1990		NL-4706014 31-Aug-1994	Granted
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:**Title:* Very Large Scale Immobilized Polymer Synthesis*Attorney(s):* SW PLM*Division Ref:**Agent Ref:*

1000.1B/ Canada	DIV	2,278,883 17-Aug-1999		2,278,883 04-Dec-2001	Granted 07-Jun-2010
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:**Title:* Large Scale Photolithographic Solid Phase Synthesis of an Array of Polymers*Attorney(s):* PLM SW*Division Ref:**Agent Ref:*

1000.1B/ United States of America	DIV	07/850,356 12-Mar-1992		5,405,783 11-Apr-1995	Granted
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Joe Liebeschuetz*Title:* Large Scale Photolithographic Solid Phase Synthesis of an Array of Polymers*Attorney(s):* PLM SW*Division Ref:**Agent Ref:*

1000.1B1/ United States of America	DIV	07/954,519 30-Sep-1992		5,510,270 23-Apr-1996	Granted
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:**Title:* Synthesis and Screening of Immobilized Oligonucleotide Arrays*Attorney(s):* PLM*Division Ref:**Agent Ref:*

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1000.1B2/ United States of America	DIV	07/954,646 30-Sep-1992 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Array of Oligonucleotides On a Solid Substrate		5,445,934 29-Aug-1995 <i>Attorney(s):</i> PLM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
1000.1B3/ United States of America	DIV	08/456,598 01-Jun-1995 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>		6,225,625 01-May-2001 <i>Attorney(s):</i> PLM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 01-May-2018
1000.1B4/ United States of America	DIV	08/456,887 01-Jun-1995 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Very Large Scale Immobilized Polymer Synthesis		6,406,844 18-Jun-2002 <i>Attorney(s):</i> PLM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 18-Jun-2019
1000.1B5/ United States of America	CON	09/129,470 04-Aug-1998 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Signal Detection Methods and Apparatus		6,329,143 11-Dec-2001 <i>Attorney(s):</i> PLM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1000.1B8/ United States of America	CON	09/690,191 16-Oct-2000		6,403,957 11-Jun-2002	Granted
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Philip L. McGarrigle <i>Title:</i> Nucleic Acid Reading and Analysis System					
1000.1B9/ United States of America	CON	10/004,501 06-Dec-2001	0064796-A1 30-May-2002	6,630,308 07-Oct-2003	Granted 04-Aug-2018
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Lisa Treannie <i>Title:</i> Very Large Scale Immobilized Polymer Synthesis					
1000.2/ Australia	ORD	91534/91 20-Nov-1991		663300 13-Feb-1996	Granted
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Very Large Scale Immobilized Polymer Synthesis					
1000.2/ European Patent Convention	ORD	92903279.5 20-Nov-1991	0562025 25-Jun-1992	0562025 07-Feb-2001	Granted
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> <i>Title:</i> Very Large Scale Immobilized Polymer Synthesis					

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1000.2/ France	EPC	92903279.5 20-Nov-1991 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Dick Bizley <i>Title:</i> Very Large Scale Immobilized Polymer Synthesis		0562025 07-Feb-2001 <i>Attorney(s):</i> TM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 20-Nov-2011
1000.2/ Germany	EPC	92903279.5 20-Nov-1991 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Dick Bizley <i>Title:</i> Very Large Scale Immobilized Polymer Synthesis		69132531.6 07-Feb-2001 <i>Attorney(s):</i> TM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 20-Nov-2011
1000.2/ Mexico	ORD	9102400 05-Dec-1991 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Very Large Scale Immobilized Polymer Synthesis		221630 21-Jul-2004 <i>Attorney(s):</i> TM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 05-Dec-2011
1000.2/ New Zealand	ORD	240744 26-Nov-1991 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> <i>Title:</i> Very Large Scale Immobilized Polymer Synthesis		240744 16-Aug-1994 <i>Attorney(s):</i> TM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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1000.2/ South Africa	ORD	919650 12-Jun-1991		919650 25-Aug-1993	Granted
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*Owner Name:* Affymetrix, Inc.

*Division:* Affymetrix

*Agent Name:*

*Attorney(s):* TM

*Division Ref:*

*Agent Ref:*

*Title:* Very Large Scale Immobilized Polymer Synthesis

1000.2/ United Kingdom	EPC	92903279.5 20-Nov-1991		0562025 07-Feb-2001	Granted 20-Nov-2011
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*Owner Name:* Affymetrix, Inc.

*Division:* Affymetrix

*Agent Name:* Dick Bizley

*Attorney(s):* TM

*Division Ref:*

*Agent Ref:*

*Title:* Very Large Scale Immobilized Polymer Synthesis

1000.2A/ European Patent Convention	DIV	00202667.2 20-Jul-2000	1046421 19-Sep-2001	1046421 02-Jul-2003	Granted
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*Owner Name:* Affymetrix, Inc.

*Division:* Affymetrix

*Agent Name:* Bill Kezer

*Attorney(s):* TM

*Division Ref:*

*Agent Ref:* APEP00665

*Title:* Photolabile Nucleoside and Peptide Protecting Groups

1000.2A/ France	EDV	00202667.2 20-Jul-2000	1046421 19-Sep-2001	1046421 02-Jul-2003	Granted
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*Owner Name:* Affymetrix, Inc.

*Division:* Affymetrix

*Agent Name:* Bill Kezer

*Attorney(s):* TM

*Division Ref:*

*Agent Ref:*

*Title:* Photolabile Nucleoside and Peptide Protecting Groups

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1000.2A/ Germany	EDV	00202667.2 20-Jul-2000	19-Sep-2001	69133293.2 02-Jul-2003	Granted
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Bill Kezer <i>Title:</i> Photolabile Nucleoside and Peptide Protecting Groups					
1000.2A/ United Kingdom	EDV	00202667.2 20-Jul-2000	19-Sep-2001	1046421 02-Jul-2003	Granted
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Bill Kezer <i>Title:</i> Photolabile Nucleoside and Peptide Protecting Groups					
1000.2A/ United States of America	FWC	08/390.272 16-Feb-1995		5,489,678 06-Feb-1996	Granted 06-Feb-2013
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Bill Kezer <i>Title:</i> Photolabile Nucleoside and Peptide Protecting Groups					
1000.2A.1/ United States of America	DIV	08/466.632 06-Jun-1995		5,744,305 28-Apr-1998	Granted
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Bill Kezer <i>Title:</i> Very Large Scale Immobilized Polymer Synthesis					

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1000.2A9/ United States of America	CON	09/490,580 25-Jan-2000		6,310,189 30-Oct-2001	Granted
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Lisa Treannie <i>Title:</i> Nucleotides and Analogs having Photoremovable Protecting Groups					
1000.2C/ United States of America	DIV	08/388,321 14-Feb-1995		5,744,101 28-Apr-1998	Granted
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> <i>Title:</i> Very Large Scale Immobilized Polymer Synthesis					
1000.2D/ United States of America	DIV	08/444,598 19-May-1995		5,889,165 30-Mar-1999	Granted
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> <i>Title:</i> Photolabile Nucleoside Protecting Groups					
1000.2E/ United States of America	DIV	08/446,177 19-May-1995		5,753,788 19-May-1998	Granted
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> <i>Title:</i> Photolabile Nucleoside Protecting Groups					

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1000.2F/ United States of America	CON	09/063,936 21-Apr-1998 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>		6,124,102 26-Sep-2000 <i>Attorney(s):</i> PLM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
<i>Title:</i> Methods for determining receptor-ligand binding using probe arrays					
1000.3/ United States of America	CIP	07/805,727 06-Dec-1991 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz		5,424,186 13-Jun-1995 <i>Attorney(s):</i> PLM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
<i>Title:</i> Very Large Scale Immobilized Polymer Synthesis					
1000.4/ United States of America	CIP	07/972,007 05-Nov-1992 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>		5,527,681 18-Jun-1996 <i>Attorney(s):</i> PLM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
<i>Title:</i> Immobilized Molecular Synthesis of Systematically Substituted Compounds					
1000.4B/ United States of America	CON	09/057,162 08-Apr-1998 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz		6,468,740 22-Oct-2002 <i>Attorney(s):</i> PLM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
<i>Title:</i> Cyclic and Substituted Immobilized Molecular Synthesis					



Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1000.9/ United States of America	CON	09/653,761 01-Sep-2000		6,919,211 19-Jul-2005	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Lisa Treannie <i>Title:</i> Polypeptide Arrays		<i>Attorney(s):</i> PLM JL <i>Division Ref:</i> <i>Agent Ref:</i>	LT
1001.1/ United States of America	CIP	07/612,671 13-Nov-1990		5,252,743 12-Oct-1993	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>		<i>Attorney(s):</i> PLM JL <i>Division Ref:</i> <i>Agent Ref:</i>	JL
		<i>Title:</i> Spatially Addressable Immobilization of Anti-Ligands on Surfaces			
1001.1A/ United States of America	DIV	08/054,121 23-Apr-1993		5,482,867 09-Jan-1996	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>		<i>Attorney(s):</i> PLM JL <i>Division Ref:</i> <i>Agent Ref:</i>	JL
		<i>Title:</i> Spatially Addressable Immobilization of Anti-Ligands on Surfaces			
1001.1B/ United States of America	DIV	08/053,124 23-Apr-1993		5,451,683 19-Sep-1995	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>		<i>Attorney(s):</i> PLM JL <i>Division Ref:</i> <i>Agent Ref:</i>	JL
		<i>Title:</i> Spatially Addressable Immobilization of Anti-Ligands on Surfaces			

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1004.1/ European Patent Convention	ORD	94921367.2 24-Jun-1994	0705271 05-Jan-1995	0705271 13-Nov-2002	Granted 24-Jun-2014
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Hybridization and Sequencing of Nucleic Acids			<i>Attorney(s):</i> PLM <i>Division Ref:</i> <i>Agent Ref:</i> APEP99124
1004.1/ France	EPC	94921367.2 24-Jun-1994		0705271 13-Nov-2002	Granted 24-Jun-2014
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Hybridization and Sequencing of Nucleic Acids			<i>Attorney(s):</i> PLM <i>Division Ref:</i> <i>Agent Ref:</i>
1004.1/ Germany	EPC	94921367.2 24-Jun-1994		0705271 13-Nov-2002	Granted 24-Jun-2014
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Hybridization and Sequencing of Nucleic Acids			<i>Attorney(s):</i> PLM <i>Division Ref:</i> <i>Agent Ref:</i>
1004.1/ Italy	EPC	94921367.2 24-Jun-1994		20607BE 13-Nov-2002	Granted 24-Jun-2014
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Hybridization and Sequencing of Nucleic Acids			<i>Attorney(s):</i> PLM <i>Division Ref:</i> <i>Agent Ref:</i>

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1004.1/ Japan	ORD	7-503084 24-Jun-1994 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Hybridization and Sequencing of Nucleic Acids		3954092 11-May-2007 <i>Attorney(s):</i> PLM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 24-Jun-2014
1004.1/ Liechtenstein	EPC	94921367.2 24-Jun-1994 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Hybridization and Sequencing of Nucleic Acids		0705271 13-Nov-2002 <i>Attorney(s):</i> PLM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 24-Jun-2014
1004.1/ Switzerland	EPC	94921367.2 24-Jun-1994 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Hybridization and Sequencing of Nucleic Acids		0705271 13-Nov-2002 <i>Attorney(s):</i> PLM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 24-Jun-2014
1004.1/ United Kingdom	EPC	94921367.2 24-Jun-1994 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Hybridization and Sequencing of Nucleic Acids		0705271 13-Nov-2002 <i>Attorney(s):</i> PLM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 24-Jun-2014

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1004.1B/ United States of America	CON	08/811,829 05-Mar-1997 <i>Owner Name:</i> Affymetrix, Inc <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Method of Identifying a Base in a Nucleic Acid (as amended)		5,968,740 19-Oct-1999 <i>Attorney(s):</i> SW PLM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
1004.1C/ United States of America	FWC	08/877,196 17-Jun-1997 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Probe Array, Library, and Method of Identifying a Base in a Nucleic Acid (as amended)		6,284,460 04-Sep-2001 <i>Attorney(s):</i> PLM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
1004.1D/ United States of America	DIV	09/543,789 06-Apr-2000 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Probe Kit for Identifying a Base in a Nucleic Acid		6,268,152 31-Jul-2001 <i>Attorney(s):</i> PLM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
1004.1E/ United States of America	CON	09/776,768 06-Feb-2001 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Identifying a Base in a Nucleic Acid	0177131 28-Nov-2002	6,852,488 08-Feb-2005 <i>Attorney(s):</i> PLM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1004A/EP/ Hong Kong	DIV	98111143.6		HK1010219 26-Jul-2002	Granted 12-Jun-2011
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Michael S. Tuscan					
<i>Title:</i> Sequencing by Hybridization of a Target Nucleic Acid to a Matrix of Defined Oligonucleotides					
1004B/EP/ Hong Kong	ORD	98111142.7		HK1010218 26-Jul-2002	Granted 12-Jun-2011
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Michael S. Tuscan					
<i>Title:</i> Sequencing by Hybridization of a Target Nucleic Acid to a Matrix of Defined Oligonucleotides					
1004E/ United States of America	CON	09/056.927 08-Apr-1998		6,197,506 06-Mar-2001	Granted
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Michael S. Tuscan					
<i>Title:</i> A Method of Detecting Nucleic Acids (as amended)					
1004G/ United States of America	CON	09/585.659 02-Jun-2000		6,355,432 12-Mar-2002	Granted
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Michael S. Tuscan					
<i>Title:</i> Products for Detecting Nucleic Acids					

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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1005/ United States of America	ORD	07/626,730 06-Dec-1990		5,547,839 20-Aug-1996	Granted 20-Aug-2013
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:**

**Attorney(s):** SW JL  
**Division Ref:**  
**Agent Ref:**

**Title:** Sequencing of Surface Immobilized Polymers Utilizing Microfluorescence Detection

1005C/ United States of America	CON	10/077,070 14-Feb-2002	0008302 09-Jan-2003	7,056,666 06-Jun-2006	Granted 02-Apr-2017
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Joe Liebeschuetz

**Attorney(s):** SW JL  
**Division Ref:**  
**Agent Ref:**

**Title:** Analysis of Surface Immobilized Polymers Utilizing Microfluorescence Detection

1005F/ United States of America	CON	11/446,575 02-Jun-2006	0105131 10-May-2007	7,459,275 02-Dec-2008	Granted 06-Dec-2010
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Sandra Wells

**Attorney(s):** SW JL  
**Division Ref:**  
**Agent Ref:**

**Title:** Sequencing of Surface Immobilized Polymers Utilizing Microfluorescence Detection

1009/ United States of America	ORD	07/796,243 22-Nov-1991		5,384,261 24-Jan-1995	Granted
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Tom Siepmann

**Attorney(s):** PLM  
**Division Ref:**  
**Agent Ref:**

**Title:** Very Large Scale Immobilized Polymer Synthesis Using Mechanically Directed Flow Paths

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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1009.1/ Japan	PCT	5-509567 20-Nov-1992		3939338 06-Apr-2007	Granted 20-Nov-2012
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:**Title:* Combinatorial Strategies For Polymer Synthesis*Attorney(s):* TS*Division Ref:**Agent Ref:* MIYOSHI -TT/AI/P9903

1009.1/ United States of America	CIP	07/980,523 20-Nov-1992		5,677,195 14-Oct-1997	Granted
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Tom Siepmann*Title:* Combinatorial Strategies For Polymer Synthesis*Attorney(s):* TS*Division Ref:**Agent Ref:*

1009.1A/ European Patent Convention	DIV	98118908.7 20-Nov-1992	0916396 19-Jan-2000	0916396 13-Apr-2005	Granted
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:**Title:* Combinatorial Strategies For Polymer Synthesis*Attorney(s):* TS*Division Ref:**Agent Ref:* APEP99119

1009.1A/ France	EDV	98118908.7 20-Nov-1992		0916396 13-Apr-2005	Granted
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:**Title:* Combinatorial Strategies For Polymer Synthesis*Attorney(s):* TS*Division Ref:**Agent Ref:*

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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1009.1A/ Germany	EDV	98118908.7 20-Nov-1992		0916396 13-Apr-2005	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:*

*Attorney(s):* TS  
*Division Ref:*  
*Agent Ref:*

*Title:* Combinatorial Strategies For Polymer Synthesis

1009.1A/ United Kingdom	EDV	98118908.7 20-Nov-1992		0916396 13-Apr-2005	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:*

*Attorney(s):* TS  
*Division Ref:*  
*Agent Ref:*

*Title:* Combinatorial Strategies For Polymer Synthesis

1009.1B/ European Patent Convention	DIV	99202441.4 23-Jul-1999	0972564 19-Jan-2000	0972564 28-May-2003	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Sandra Wells

*Attorney(s):* SW  
*Division Ref:*  
*Agent Ref:* APEP99287

*Title:* Combinatorial Strategies For Polymer Synthesis

1009.1B/ France	EDV	99202441.4 23-Jul-1999		0972564 28-May-2003	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:*

*Attorney(s):* SW  
*Division Ref:*  
*Agent Ref:*

*Title:* Combinatorial Strategies For Polymer Synthesis



Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1009.1B/ Germany	EDV	99202441.4 23-Jul-1999		69233087.9 28-May-2003	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>			<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>
		<i>Title:</i> Combinatorial Strategies For Polymer Synthesis			
1009.1B/ United Kingdom	EDV	99202441.4 23-Jul-1999		0972564 28-May-2003	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>			<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>
		<i>Title:</i> Combinatorial Strategies For Polymer Synthesis			
1009.1C/ European Patent Convention	DIV	00203704.2 24-Oct-2000	1086742 28-Mar-2001	1086742 24-Mar-2004	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>			<i>Attorney(s):</i> TM <i>Division Ref:</i> <i>Agent Ref:</i> APEP00765
		<i>Title:</i> Combinatorial Strategies For Polymer Synthesis			
1009.1C/ France	EDV	00203704.2 24-Oct-2000		1086742 24-Mar-2004	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>			<i>Attorney(s):</i> TM <i>Division Ref:</i> <i>Agent Ref:</i>
		<i>Title:</i> Combinatorial Strategies For Polymer Synthesis			

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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1009.1C/ Germany	EDV	00203704.2 24-Oct-2000		69233331.2 24-Mar-2004	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:*

*Attorney(s):* TM  
*Division Ref:*  
*Agent Ref:*

*Title:* Combinatorial Strategies For Polymer Synthesis

1009.1C/ United Kingdom	EDV	00203704.2 24-Oct-2000		1086742 24-Mar-2004	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:*

*Attorney(s):* TM  
*Division Ref:*  
*Agent Ref:*

*Title:* Combinatorial Strategies For Polymer Synthesis

1009.3/ United States of America	CON	08/426.202 21-Apr-1995		6,136,269 24-Oct-2000	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* John Iwanicki

*Attorney(s):* PLM  
*Division Ref:*  
*Agent Ref:*

*Title:* Combinatorial Kit for Polymer Synthesis

1009.3A/ United States of America	CON	09/129.463 04-Aug-1998		6,040,193 21-Mar-2000	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Tom Siepmann

*Attorney(s):* PLM  
*Division Ref:*  
*Agent Ref:*

*Title:* Combinatorial Strategies for Polymer Synthesis

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1009.3B/ United States of America	CON	09/498,554 04-Feb-2000 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Siepmann <i>Title:</i> Combinatorial Strategies for Polymer Synthesis		6,943,034 13-Sep-2005 <i>Attorney(s):</i> PLM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
1009.3C/ United States of America	CON	09/579,982 26-May-2000 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Siepmann <i>Title:</i> Combinatorial Strategies for Polymer Synthesis		7,691,330 06-Apr-2010 <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
1009.3D/ United States of America	CON	09/579,949 26-May-2000 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Siepmann <i>Title:</i> Combinatorial Strategies for Polymer Synthesis		6,864,101 08-Mar-2005 <i>Attorney(s):</i> PLM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
1009.3E/ United States of America	CON	09/579,991 26-May-2000 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Siepmann <i>Title:</i> Combinatorial Strategies for Polymer Synthesis		6,849,462 01-Feb-2005 <i>Attorney(s):</i> PLM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1009.3F/ United States of America	CON	10/172,939 17-Jun-2002 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Siepmann <i>Title:</i> Combinatorial Strategies for Polymer Synthesis	0092032-A1 13-May-2004	7,736,906 15-Jun-2010 <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 13-Sep-2022
1009.3G/ United States of America	CON	10/997,136 24-Nov-2004 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steve Yee <i>Title:</i> Combinatorial Strategies for Polymer Synthesis	0186683 25-Aug-2005		Published <i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>
1009B/ United States of America	FWC	08/740,170 23-Oct-1996 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Siepmann <i>Title:</i> Very Large Scale Immobilized Polymer Synthesis Using Mechanically Directed Flow Paths		5,885,837 23-Mar-1999 <i>Attorney(s):</i> PLM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
1012/ United States of America	ORD	07/796,947 22-Nov-1991 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Method and Apparatus for Measuring Binding Affinity		5,324,633 28-Jun-1994 <i>Attorney(s):</i> PLM JL <i>Division Ref:</i> <i>Agent Ref:</i>	Granted

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1013/ United States of America	ORD	07/796,727 22-Nov-1991 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Polymer Reversal on Solid Surfaces		5,242,974 07-Sep-1993 <i>Attorney(s):</i> PLM JL <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
1013.1A/ United States of America	CON	08/351,058 28-Nov-1994 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>		5,550,215 27-Aug-1996 <i>Attorney(s):</i> PLM JL <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
1014/ United States of America	ORD	07/876,792 29-Apr-1992 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Methods for Screening Factorial Chemical Libraries		5,541,061 30-Jul-1996 <i>Attorney(s):</i> TM MT <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
1014.1/ European Patent Convention	PCT	93910996.3 28-Apr-1993 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Factorial Chemical Libraries	0639276 11-Nov-1993	0639276 14-Jun-2006 <i>Attorney(s):</i> TM MT <i>Division Ref:</i> <i>Agent Ref:</i>	Granted

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1014.1/ Switzerland	EPP	93910996.3 28-Apr-1993 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Factorial Chemical Libraries	0639276	0639276 14-Jun-2006 <i>Attorney(s):</i> TM MT <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
1014.1/ United Kingdom	EPP	93910996.3 28-Apr-1993 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Factorial Chemical Libraries	0639276	0639276 14-Jun-2006 <i>Attorney(s):</i> TM MT <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
1014.1/ United States of America	CIP	08/325.457 28-Oct-1994 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Factorial Chemical Libraries	0042047-A1 11-Apr-2002	6,864,048 08-Mar-2005 <i>Attorney(s):</i> TM MT <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 08-Mar-2022
1014.1A/ United States of America	DIV	10/992.334 19-Nov-2004 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Cooley LLP <i>Title:</i> Factorial Chemical Libraries	0095638 05-May-2005		Published <i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status	Expiration Date
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1015/ United States of America	ORD	08/327,512 18-Oct-1994		6,121,048 19-Sep-2000	Granted	
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:**

**Attorney(s):** PLM SA  
**Division Ref:**  
**Agent Ref:**

**Title:** Method of Conducting a Plurality of Reactions

1016/ United States of America	ORD	07/874,849 24-Apr-1992		5,412,087 02-May-1995	Granted	
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:**

**Attorney(s):** JL TM  
**Division Ref:**  
**Agent Ref:**

**Title:** Spatially Addressable Immobilization of Oligonucleotides and Other Biological Polymers on Surfaces

1035/ United States of America	CIP	08/067,387 24-May-1993		5,491,074 13-Feb-1996	Granted	13-Feb-2013
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:**

**Attorney(s):** PLM JL  
**Division Ref:**  
**Agent Ref:**

**Title:** Association Peptides

1046.1/ European Patent Convention	PCT	95900441.7 24-Oct-1996		0730663 24-Sep-2003	Granted	
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Joe Liebeschuetz

**Attorney(s):** SW  
**Division Ref:**  
**Agent Ref:** P50310

**Title:** HIV Diagnosis by Arrays of Nucleic Acid Probes on Biological Chips

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1046.1/ France	EPC	95900441.7 24-Oct-1996 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> HIV Diagnosis by Arrays of Nucleic Acid Probes on Biological Chips		0730663 24-Sep-2003 <i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 24-Oct-2016
1046.1/ Germany	EPC	95900441.7 24-Oct-1996 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> HIV Diagnosis by Arrays of Nucleic Acid Probes on Biological Chips		69433180.5 24-Sep-2003 <i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 24-Oct-2016
1046.1/ Italy	EPC	95900441.7 24-Oct-1996 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> HIV Diagnosis by Arrays of Nucleic Acid Probes on Biological Chips		0730663 24-Sep-2003 <i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 24-Oct-2016
1046.1/ Netherlands	EPC	95900441.7 24-Oct-1996 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> HIV Diagnosis by Arrays of Nucleic Acid Probes on Biological Chips		0730663 24-Sep-2003 <i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 24-Oct-2016



Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1046.1/ Switzerland	EPC	95900441.7 24-Oct-1996 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> HIV Diagnosis by Arrays of Nucleic Acid Probes on Biological Chips		0730663 24-Sep-2003 <i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 24-Oct-2016
1046.1/ United Kingdom	EPC	95900441.7 24-Oct-1996 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> HIV Diagnosis by Arrays of Nucleic Acid Probes on Biological Chips		0730663 24-Sep-2003 <i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 24-Oct-2016
1046.1A/ United States of America	FWC	08/781,550 09-Jan-1997 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> <i>Title:</i> HIV Diagnosis by Arrays of Nucleic Acid Probes on Biological Chips		5,861,242 19-Jan-1999 <i>Attorney(s):</i> TM JL <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
1046.2/ United States of America	CIP	08/544,381 10-Oct-1995 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> <i>Title:</i> Arrays of Nucleic Acid Probes and Methods of Using the Same for Detecting Cystic Fibrosis		6,027,880 22-Feb-2000 <i>Attorney(s):</i> TM JL <i>Division Ref:</i> <i>Agent Ref:</i>	Granted

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1046.2A/ United States of America	CON	09/510,378 22-Feb-2000	0165823-A1 04-Sep-2003	7,399,584 15-Jul-2008	Granted
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Arrays of Nucleic Acid Probes on Biological Chips					
1046.3/ United States of America	CIP	08/510,521 02-Aug-1995		7,115,364 03-Oct-2006	Granted
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Arrays of Nucleic Acid Probes on Biological Chips					
1046.3C/ United States of America	CON	11/506,176 18-Aug-2006	0261832 23-Oct-2008		Published
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Cooley LLP <i>Title:</i> Arrays of Nucleic Acid Probes on Biological Chips					
1046.6/ United States of America	FWC	08/441,887 16-May-1995		5,837,832 17-Nov-1998	Granted
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> <i>Title:</i> Arrays of Nucleic Acid Probes on Biological Chips					

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status	Expiration Date
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1047/ United States of America	ORD	08/301,051 02-Sep-1994		5,578,832 26-Nov-1996	Granted	
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**Owner Name:** Affymetrix, Inc.**Division:** Affymetrix**Agent Name:** Darin J. Gibby**Title:** Method and Apparatus for Imaging a Sample on a Device**Attorney(s):** BMC**Division Ref:****Agent Ref:**

1047A/ United States of America	CON	08/708,335 04-Sep-1996		5,834,758 10-Nov-1998	Granted	
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**Owner Name:** Affymetrix, Inc.**Division:** Affymetrix**Agent Name:****Title:** Method and Apparatus for Imaging a Sample on a Device**Attorney(s):** BMC**Division Ref:****Agent Ref:**

1047B/ United States of America	DIV	08/871,269 09-Jun-1997		6,025,601 15-Feb-2000	Granted	
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**Owner Name:** Affymetrix, Inc.**Division:** Affymetrix**Agent Name:****Title:** Method and Apparatus for Imaging a Sample on a Device**Attorney(s):** BMC**Division Ref:****Agent Ref:**

1047C/ United States of America	CON	09/348,216 06-Jul-1999		6,232,236 26-Jun-2001	Granted	
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**Owner Name:** Affymetrix, Inc.**Division:** Affymetrix**Agent Name:** Darin J. Gibby**Title:** Method and Apparatus for Imaging a Sample on a Device**Attorney(s):** BMC**Division Ref:****Agent Ref:**

Patent List

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status	Expiration Date
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1054/ United States of America	ORD	08/249,188 24-May-1994		5,571,639 05-Nov-1996	Granted	24-May-2014
<p><i>Owner Name:</i> Affymetrix, Inc.  <i>Division:</i> Affymetrix  <i>Agent Name:</i> Joe Liebeschuetz  <i>Title:</i> Computer Aided Engineering System for Design of Sequence Arrays and Lithographic Masks</p>						

1054A/ United States of America	DIV	08/460,411 02-Jun-1995		5,593,839 14-Jan-1997	Granted	
<p><i>Owner Name:</i> Affymetrix, Inc.  <i>Division:</i> Affymetrix  <i>Agent Name:</i> Joe Liebeschuetz  <i>Title:</i> Computer Aided Engineering System for Design of Sequence Arrays and Lithographic Masks</p>						

1054B/ United States of America	CON	08/721,689 27-Sep-1996		5,856,101 05-Jan-1999	Granted	
<p><i>Owner Name:</i> Affymetrix, Inc.  <i>Division:</i> Affymetrix  <i>Agent Name:</i> Joe Liebeschuetz  <i>Title:</i> Computer Aided Engineering System for Design of Sequence Arrays and Lithographic Masks</p>						

1055/ United States of America	ORD	08/195,889 10-Feb-1994		5,631,734 20-May-1997	Granted	
<p><i>Owner Name:</i> Affymetrix, Inc.  <i>Division:</i> Affymetrix  <i>Agent Name:</i> Ivan Zitkovsky  <i>Title:</i> Method and Apparatus for Detection of Fluorescently Labeled Materials</p>						

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status	Expiration Date
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1055A/ United States of America	CON	08/823,824 25-Mar-1997		6,141,096 31-Oct-2000	Granted	
<b>Owner Name:</b> Affymetrix, Inc. <b>Division:</b> Affymetrix <b>Agent Name:</b>						
<b>Attorney(s):</b> BMC IZ WZ <b>Division Ref:</b> <b>Agent Ref:</b>						
<b>Title:</b> Method and Apparatus for Detection of Fluorescently Labeled Materials						

1055B/ United States of America	CON	09/699,852 30-Oct-2000		6,741,344 25-May-2004	Granted	
<b>Owner Name:</b> Affymetrix, Inc. <b>Division:</b> Affymetrix <b>Agent Name:</b> Ivan Zitkovsky						
<b>Attorney(s):</b> BMC IZ WZ <b>Division Ref:</b> <b>Agent Ref:</b>						
<b>Title:</b> Method and Apparatus for Detection of Fluorescently Labeled Materials						

1055F/ United States of America	CON	12/212,320 17-Sep-2008	0010524 08-Jan-2009		Allowed	
<b>Owner Name:</b> Affymetrix, Inc. <b>Division:</b> Affymetrix <b>Agent Name:</b> Tom Siepmann						
<b>Attorney(s):</b> TS <b>Division Ref:</b> <b>Agent Ref:</b>						
<b>Title:</b> Method and Apparatus for Detection of Fluorescently Labeled Materials						

1067/ European Patent Convention	ORD	95303556.0 19-May-1995	0695941 27-Dec-1996	0695941 31-Jul-2002	Granted	19-May-2015
<b>Owner Name:</b> Affymetrix, Inc. <b>Division:</b> Affymetrix <b>Agent Name:</b> Ivan Zitkovsky						
<b>Attorney(s):</b> SY <b>Division Ref:</b> <b>Agent Ref:</b>						
<b>Title:</b> Method and Apparatus for Packaging a Chip						

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1067/ France	EPC	95303356.0 19-May-1995 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitkovsky <i>Title:</i> Method and Apparatus for Packaging a Chip		0695941 31-Jul-2002 <i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 19-May-2015
1067/ Germany	EPC	95303356.0 19-May-1995 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitkovsky <i>Title:</i> Method and Apparatus for Packaging a Chip		0695941 31-Jul-2002 <i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 19-May-2015
1067/ Japan	ORD	7-142195 08-Jun-1995 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitkovsky <i>Title:</i> Method and Apparatus for Packaging a Chip		3790280 07-Apr-2006 <i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i> A1-31-JP1	Granted 08-Jun-2015
1067/ Liechtenstein	EPC	95303356.0 19-May-1995 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitkovsky <i>Title:</i> Method and Apparatus for Packaging a Chip		0695941 31-Jul-2002 <i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 19-May-2015

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1067/ Switzerland	EPC	95303356.0 19-May-1995 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitkovsky <i>Title:</i> Method and Apparatus for Packaging a Chip		0695941 31-Jul-2002 <i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 19-May-2015
1067/ United Kingdom	EPC	95303356.0 19-May-1995 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitkovsky <i>Title:</i> Method and Apparatus for Packaging a Chip		0695941 31-Jul-2002 <i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 19-May-2015
1067.1/ European Patent Convention	PCT	95925244.6 08-Jun-1995 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Andrew Sheard <i>Title:</i> Apparatus for Packaging a Chip	0764214 14-Dec-1995	0764214 31-Aug-2005 <i>Attorney(s):</i> PLM SW <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
1067.1/ France	EPP	95925244.6 08-Jun-1995 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitkovsky <i>Title:</i> Apparatus for Packaging a Chip	0764214	0764214 31-Aug-2005 <i>Attorney(s):</i> PLM SW <i>Division Ref:</i> <i>Agent Ref:</i>	Granted

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1067.1/ Germany	EPP	95925244.6 08-Jun-1995 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitkovsky <i>Title:</i> Apparatus for Packaging a Chip	0764214	0764214 31-Aug-2005 <i>Attorney(s):</i> PLM SW <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
1067.1/ Italy	EPP	95925244.6 08-Jun-1995 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitkovsky <i>Title:</i> Apparatus for Packaging a Chip	0764214	0764214 31-Aug-2005 <i>Attorney(s):</i> PLM SW <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
1067.1/A Japan	DIV	2005-227258 08-Jun-1995 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitkovsky <i>Title:</i> Apparatus for Packaging a Chip	345481 15-Dec-2005	3884048 24-Nov-2006 <i>Attorney(s):</i> PLM SW <i>Division Ref:</i> <i>Agent Ref:</i> A1-32JP1	Granted 08-Jun-2015
1067.1/ Switzerland	EPP	95925244.6 08-Jun-1995 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitkovsky <i>Title:</i> Apparatus for Packaging a Chip	0764214	0764214 31-Aug-2005 <i>Attorney(s):</i> PLM SW <i>Division Ref:</i> <i>Agent Ref:</i>	Granted



Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1067.1/ United Kingdom	EPP	95925244.6 08-Jun-1995	0764214	0764214 31-Aug-2005	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitkovsky <i>Title:</i> Apparatus for Packaging a Chip			<i>Attorney(s):</i> PLM SW <i>Division Ref:</i> <i>Agent Ref:</i>
1067.1/ United States of America	CIP	08/485,452 07-Jun-1995		5,945,334 31-Aug-1999	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitkovsky <i>Title:</i> Apparatus for Packaging a Chip			<i>Attorney(s):</i> PLM SW <i>Division Ref:</i> <i>Agent Ref:</i>
1067.1A/ United States of America	CON	09/302,052 29-Apr-1999		6,287,850 11-Sep-2001	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitkovsky <i>Title:</i> Bioarray Chip Reaction Apparatus and its manufacture			<i>Attorney(s):</i> PLM <i>Division Ref:</i> <i>Agent Ref:</i>
1067.1B/ United States of America	CON	09/907,196 17-Jul-2001	0041341 15-Nov-2001	6,399,365 04-Jun-2002	Granted 29-Apr-2019
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Bioarray chip reaction apparatus and its manufacture			<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1067.1C/ United States of America	CON	10/046.623 14-Jan-2002 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitkovsky <i>Title:</i> Method and Apparatus for Hybridization	0058331-A1 16-May-2002	6,551,817 22-Apr-2003 <i>Attorney(s):</i> PLM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 07-Jun-2015
1067.1D/ United States of America	CON	10/229.759 28-Aug-2002 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitkovsky <i>Title:</i> Hybridization Device and Method	0003499-A1 02-Jan-2003	6,733,977 11-May-2004 <i>Attorney(s):</i> PLM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 07-Jun-2015
1067.1F/ United States of America	CON	10/639.696 11-Aug-2003 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Philip L. McGarrigle <i>Title:</i> Bioarray Chip Reaction Apparatus and its Manufacture	0191630 01-Sep-2005	7,364,895 29-Apr-2008 <i>Attorney(s):</i> PLM WZ <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 07-Jun-2015
1067.1S/ United States of America	CON	12/265.048 05-Nov-2008 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steve Yee <i>Title:</i> Bioarray Chip Reaction Apparatus and Its Manufacture	0143249 04-Jun-2009		Published <i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1067.IT/ United States of America	CON	12/842,977 23-Jul-2010 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steve Yee <i>Title:</i> Bioarray Chip Reaction Apparatus and Its Manufacture	0298165 25-Nov-2010		Published  <i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>
1067A/ United States of America	FWC	08/528,173 14-Sep-1995 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitkovsky <i>Title:</i> Method and Apparatus for Packaging a Probe Array		6,140,044 31-Oct-2000 <i>Attorney(s):</i> PLM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
1069/ United States of America	ORD	08/327,687 24-Oct-1994 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Surface Bound Unimolecular, Double Stranded DNA		5,556,752 17-Sep-1996 <i>Attorney(s):</i> WZ JL <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 24-Oct-2014
1069A/ United States of America	DIV	08/664,093 13-Jun-1996 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Surface-Bound, Unimolecular, Double-Stranded DNA		5,770,722 23-Jun-1998 <i>Attorney(s):</i> WZ JL <i>Division Ref:</i> <i>Agent Ref:</i>	Granted

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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1069B/ United States of America	DIV	09/054,969 03-Apr-1998	0016008 07-Feb-2002	6,482,591 19-Nov-2002	Granted
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*Owner Name:* Affymetrix, Inc.

*Division:* Affymetrix

*Agent Name:* Joe Liebeschuetz

*Title:* Conformationally-restricted peptide probe libraries

*Attorney(s):* WZ JL

*Division Ref:*

*Agent Ref:*

1069C/ United States of America	CON	10/278,970 22-Oct-2002	0049674-A1 13-Mar-2003	6,830,890 14-Dec-2004	Granted 03-Apr-2018
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*Owner Name:* Affymetrix, Inc.

*Division:* Affymetrix

*Agent Name:* Bill Kezer

*Title:* Nucleic Acid Probe Libraries

*Attorney(s):* WZ BK

*Division Ref:*

*Agent Ref:*

1072.1/ European Patent Convention	ORD	96303245.3 09-May-1996	EP0742287 13-Nov-1996	EP0742287 18-Jan-2006	Granted 09-May-2016
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*Owner Name:* Affymetrix, Inc.

*Division:* Affymetrix

*Agent Name:* Philip L. McGarrigle

*Title:* Arrays of Modified Nucleic Acid Probes and Methods of Use

*Attorney(s):* TM MT

*Division Ref:*

*Agent Ref:*

1072.1/ France	EPC	96303245.3 09-May-1996	EP0742287 13-Nov-1996	EP0742287 18-Jan-2006	Granted 09-May-2016
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*Owner Name:* Affymetrix, Inc.

*Division:* Affymetrix

*Agent Name:* Michael S. Tuscan

*Title:* Arrays of Modified Nucleic Acid Probes and Methods of Use

*Attorney(s):* TM MT

*Division Ref:*

*Agent Ref:*

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1072.1/ Germany	EPC	96303245.3 09-May-1996	EP0742287 13-Nov-1996	DE69635744 18-Jan-2006	Granted 09-May-2016
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan					
<i>Title:</i> Arrays of Modified Nucleic Acid Probes and Methods of Use					
1072.1/ United Kingdom	EPC	96303245.3 09-May-1996	EP0742287 13-Nov-1996	EP0742287 18-Jan-2006	Granted 09-May-2016
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan					
<i>Title:</i> Arrays of Modified Nucleic Acid Probes and Methods of Use					
1072.1/ United States of America	CIP	08/630.427 03-Apr-1996		6,156,501 05-Dec-2000	Granted
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>					
<i>Title:</i> Arrays of Modified Nucleic Acid Probes and Methods of Use					
1072.1/EP/ Hong Kong	ORD	98115796.7 Affymetrix, Inc.	1014561A 30-Sep-1999	HK1014561 16-Jun-2006	Granted
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan					
<i>Title:</i> Modified Nucleic Acid Probes					

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1072.1B/ United States of America	CON	10/418,414 18-Apr-2003 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Modified Nucleic Acid Probes	0072202 15-Apr-2004	7,375,198 20-May-2008 <i>Attorney(s):</i> TM SW <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 29-Jun-2020
1072.1C/ United States of America	CON	12/124,061 20-May-2008 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Modified Nucleic Acid Probes	0286690 19-Nov-2009	7,794,943 14-Sep-2010 <i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 28-Jul-2020
1073.1/ United States of America	CIP	08/815,395 10-Mar-1997 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Nucleic Acid Affinity Columns		6,013,440 11-Jan-2000 <i>Attorney(s):</i> WZ SA <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
1073.1A/ United States of America	CON	09/429,521 28-Oct-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Nucleic Acid Affinity Columns		6,280,950 28-Aug-2001 <i>Attorney(s):</i> WZ SA <i>Division Ref:</i> <i>Agent Ref:</i>	Granted

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1073.1B/ United States of America	CON	09/910,223 20-Jul-2001 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Nucleic Acid Affinity Columns	0053526 20-Dec-2001	6,440,677 27-Aug-2002 <i>Attorney(s):</i> WZ SA <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 28-Oct-2019
1073.1C/ United States of America	CON	10/219,006 14-Aug-2002 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Wei Zhou <i>Title:</i> Nucleic Acid Affinity Columns	0013114-A1 16-Jan-2003	6,828,104 07-Dec-2004 <i>Attorney(s):</i> WZ <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 11-Mar-2016
1078.1/ United States of America	CIP	08/485,606 07-Jun-1995 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Capturing Sequences Adjacent To Type IIS Restriction Sites for Genomic Library Mapping		5,710,000 20-Jan-1998 <i>Attorney(s):</i> SW JL <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
1078.1A/ United States of America	CON	09/008,094 16-Jan-1998 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Nucleic acid adapters containing a type IIs restriction site and methods of using the same		6,027,894 22-Feb-2000 <i>Attorney(s):</i> SW JL <i>Division Ref:</i> <i>Agent Ref:</i>	Granted

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status	Expiration Date
1078.1B/ United States of America	CON	09/412,246 05-Oct-1999		6,291,181 18-Sep-2001	Granted	
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz				<i>Attorney(s):</i> SW JL <i>Division Ref:</i> <i>Agent Ref:</i>
		<i>Title:</i> Nucleic Acid Adapters Containing a Type IIS Restriction Site and Methods of Using the Same				
1078.1C/ United States of America	CON	09/940,868 27-Aug-2001	0008292 09-Jan-2003	6,509,160 21-Jan-2003	Granted	05-Oct-2019
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz				<i>Attorney(s):</i> SW JL <i>Division Ref:</i> <i>Agent Ref:</i>
		<i>Title:</i> Capturing Sequences Adjacent To Type IIS Restriction Sites for Genomic Library Mapping				
1078.1E/ United States of America	CON	10/942,479 16-Sep-2004	0026212 03-Feb-2005	7,662,559 16-Feb-2010	Granted	
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells				<i>Attorney(s):</i> SW G&B <i>Division Ref:</i> <i>Agent Ref:</i>
		<i>Title:</i> Capturing Sequences Adjacent to Type-IIS Restriction Sites for Genomic Library Mapping				
1078.1H/ United States of America	CON	12/272,680 17-Nov-2008	0261616 14-Oct-2010	7,985,547 26-Jul-2011	Granted	21-Apr-2015
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells				<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>
		<i>Title:</i> Capturing Sequences Adjacent to Type-IIS Restriction Sites for Genomic Library Mapping				



Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1078.1I/ United States of America	CON	13/159,626 14-Jun-2011			Pending
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells			<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>
		<i>Title:</i> Capturing Sequences Adjacent to Type-IIS Restriction Sites for Genomic Library Mapping			
1079.1J/ United States of America	CIP	08/533,582 18-Oct-1995		6,974,666 13-Dec-2005	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz			<i>Attorney(s):</i> WZ JL UXS <i>Division Ref:</i> <i>Agent Ref:</i>
		<i>Title:</i> Methods of Enzymatic Discrimination Enhancement and Surface-Bound Double-Stranded DNA			
1079.1A/ United States of America	CON	11/176,012 05-Jul-2005	0292579 28-Dec-2006		Published
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells			<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>
		<i>Title:</i> Methods of Enzymatic Discrimination Enhancement and Surface-Bound Double-Stranded DNA			
1079.1B/ United States of America	CON	11/950,213 04-Dec-2007			Pending
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells			<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>
		<i>Title:</i> Methods of Enzymatic Discrimination Enhancement and Surface-Bound Double-Stranded DNA			

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1079.1C/ United States of America	CIP	12/187,503 07-Aug-2008	0216656 26-Aug-2010		Allowed
<b>Owner Name:</b> Affymetrix, Inc. <b>Division:</b> Affymetrix <b>Agent Name:</b> Sandra Wells <b>Attorney(s):</b> SW <b>Division Ref:</b> <b>Agent Ref:</b> <b>Title:</b> Methods of Enzymatic Discrimination Enhancement and Surface Bound Double-Stranded DNA					
1084/ Canada	PCT	2,251,755 16-Apr-1997		2,251,755 14-Sep-2010	Granted
<b>Owner Name:</b> Affymetrix, Inc. <b>Division:</b> Affymetrix <b>Agent Name:</b> Fetherstonhaugh <b>Attorney(s):</b> TS <b>Division Ref:</b> <b>Agent Ref:</b> <b>Title:</b> Substrate Preparation Process					
1084/ United States of America	ORD	08/634,053 17-Apr-1996		5,959,098 28-Sep-1999	Granted
<b>Owner Name:</b> Affymetrix, Inc. <b>Division:</b> Affymetrix <b>Agent Name:</b> <b>Attorney(s):</b> TS <b>Division Ref:</b> <b>Agent Ref:</b> <b>Title:</b> Substrate Preparation Process					
1084A/ United States of America	CON	09/244,568 04-Feb-1999		6,307,042 23-Oct-2001	Granted 17-Apr-2016
<b>Owner Name:</b> Affymetrix, Inc. <b>Division:</b> Affymetrix <b>Agent Name:</b> <b>Attorney(s):</b> LK <b>Division Ref:</b> <b>Agent Ref:</b> <b>Title:</b> Substrate Preparation Process					

Patent List

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status	Expiration Date
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1084B/ United States of America	CON	09/716,507 20-Nov-2000		6,706,875 16-Mar-2004	Granted	
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:**  
**Title:** Substrate Preparation Process  
**Attorney(s):** TM  
**Division Ref:**  
**Agent Ref:**

1084J/ United States of America	CON	12/634,475 09-Dec-2009	0331217 30-Dec-2010	8,067,578 29-Nov-2011	Granted	20-Nov-2020
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Steve Yee  
**Title:** Substrate Preparation Process  
**Attorney(s):** SY  
**Division Ref:**  
**Agent Ref:**

1084K/ United States of America	CON	13/273,399 14-Oct-2011	0071361 22-Mar-2012		Published	
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Steve Yee  
**Title:** Substrate Preparation Process  
**Attorney(s):** SY  
**Division Ref:**  
**Agent Ref:**

1085/ European Patent Convention	ORD	96300860.2 08-Feb-1996	0728520 28-Aug-1996	0728520 16-May-2001	Granted	08-Feb-2016
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:**  
**Title:** Printing Molecular Library Arrays  
**Attorney(s):** TM JPI SW  
**Division Ref:**  
**Agent Ref:**

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status	Expiration Date
1085/ France	EPC	96300860.2 08-Feb-1996	28-Aug-1996	0728520 16-May-2001	Granted 08-Feb-2016	JPI SW
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>				<i>Attorney(s):</i> TM JPI SW <i>Division Ref:</i> <i>Agent Ref:</i> DAN/54154001
	<i>Title:</i> Printing Molecular Library Arrays					
1085/ Germany	EPC	96300860.2 08-Feb-1996	28-Aug-1996	69612772.5 16-May-2001	Granted 08-Feb-2016	JPI SW
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>				<i>Attorney(s):</i> TM JPI SW <i>Division Ref:</i> <i>Agent Ref:</i>
	<i>Title:</i> Printing Molecular Library Arrays					
1085/ Italy	EPC	96300860.2 08-Feb-1996	28-Aug-1996	0728520 16-May-2001	Granted 08-Feb-2016	JPI SW
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Uexküll & Stolberg				<i>Attorney(s):</i> TM JPI SW <i>Division Ref:</i> <i>Agent Ref:</i> 03848.00058
	<i>Title:</i> Printing Molecular Library Arrays					
1085/ Netherlands	EPC	96300860.2 08-Feb-1996	28-Aug-1996	0728520 16-May-2001	Granted 08-Feb-2016	JPI SW
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Uexküll & Stolberg				<i>Attorney(s):</i> TM JPI SW <i>Division Ref:</i> <i>Agent Ref:</i> 03848.00058
	<i>Title:</i> Printing Molecular Library Arrays					

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1085/ United Kingdom	EPC	96300860.2 08-Feb-1996 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Uexküll & Stolberg <i>Title:</i> Printing Molecular Library Arrays	28-Aug-1996	0728520 16-May-2001 <i>Attorney(s):</i> TM JPI SW <i>Division Ref:</i> <i>Agent Ref:</i> 03848.00058	Granted 08-Feb-2016
1085/ United States of America	ORD	08/395,604 27-Feb-1995 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> <i>Title:</i> Printing Molecular Library Arrays		5,599,695 04-Feb-1997 <i>Attorney(s):</i> TM JPI SW <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
1085.1/ United States of America	CON	08/635,272 19-Apr-1996 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> <i>Title:</i> Printing Oligonucleotide Arrays Using Deprotection Agents Solely in the Vapor Phase		5,831,070 03-Nov-1998 <i>Attorney(s):</i> TM JPI <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
1085.1B/ United States of America	CON	09/427,850 26-Oct-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> <i>Title:</i> Printing Molecular Library Arrays		6,239,273 29-May-2001 <i>Attorney(s):</i> TM JPI <i>Division Ref:</i> <i>Agent Ref:</i>	Granted

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1085.1C/ United States of America	CON	09/841,405 24-Apr-2001	147319-A1 10-Oct-2002	6,667,394 23-Dec-2003	Granted
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> <i>Title:</i> Printing Molecular Library Arrays  <i>Attorney(s):</i> TM JPI <i>Division Ref:</i> <i>Agent Ref:</i>					
1087.1/ United States of America	CIP	08/589,027 19-Jan-1996		5,856,174 05-Jan-1999	Granted
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitikovsky <i>Title:</i> Integrated Nucleic Acid Diagnostic Device  <i>Attorney(s):</i> BMC <i>Division Ref:</i> <i>Agent Ref:</i>					
1087.1A/ United States of America	DIV	09/210,025 11-Dec-1998		6,043,080 28-Mar-2000	Granted
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitikovsky <i>Title:</i> Integrated Nucleic Acid Diagnostic Device  <i>Attorney(s):</i> BMC <i>Division Ref:</i> <i>Agent Ref:</i>					
1087.3/ Austria	EPC	96923572.0 27-Jun-1996		0843734 26-Mar-2003	Granted 27-Jun-2016
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitikovsky <i>Title:</i> Integrated Nucleic Acid Diagnostic Device  <i>Attorney(s):</i> BMC WZ <i>Division Ref:</i> <i>Agent Ref:</i>					

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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1087.3/A Austria	DIV	03000459.2 10-Jan-2003	1304388 23-Apr-2003	1304388 20-Feb-2008	Granted
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Uexkill & Stolberg					
<i>Title:</i> Integrated Nucleic Acid Diagnostic Device					

*Attorney(s):* BMC WZ  
*Division Ref:*  
*Agent Ref:* P50462

1087.3/ Belgium	EPC	96923572.0 27-Jun-1996	0843734 26-Mar-2003	0843734 26-Mar-2003	Granted 27-Jun-2016
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Ivan Zitkovsky					
<i>Title:</i> Integrated Nucleic Acid Diagnostic Device					

*Attorney(s):* BMC WZ  
*Division Ref:*  
*Agent Ref:*

1087.3/ European Patent Convention	ORD	96923572.0 27-Jun-1996	0843734 23-Jan-1997	0843734 26-Mar-2003	Granted 27-Jun-2016
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Ivan Zitkovsky					
<i>Title:</i> Integrated Nucleic Acid Diagnostic Device					

*Attorney(s):* BMC WZ  
*Division Ref:*  
*Agent Ref:* P50462

1087.3/A European Patent Convention	DIV	03000459.2 10-Jan-2003	1304388 23-Apr-2003	1304388 20-Feb-2008	Granted
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Uexkill & Stolberg					
<i>Title:</i> Integrated Nucleic Acid Diagnostic Device					

*Attorney(s):* BMC WZ  
*Division Ref:*  
*Agent Ref:* P50462

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1087.3/ France	EPC	96923572.0 27-Jun-1996		0843734 26-Mar-2003	Granted 27-Jun-2016
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitkovsky <i>Title:</i> Integrated Nucleic Acid Diagnostic Device			<i>Attorney(s):</i> BMC WZ <i>Division Ref:</i> <i>Agent Ref:</i>
1087.3/ Germany	EPC	96923572.0 27-Jun-1996		69626988.0 26-Mar-2003	Granted 27-Jun-2016
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitkovsky <i>Title:</i> Integrated Nucleic Acid Diagnostic Device			<i>Attorney(s):</i> BMC WZ <i>Division Ref:</i> <i>Agent Ref:</i>
1087.3/A Germany	DIV	03000459.2 10-Jan-2003	1304388 23-Apr-2003	69637443.9 20-Feb-2008	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Uexküll & Stolberg <i>Title:</i> Integrated Nucleic Acid Diagnostic Device			<i>Attorney(s):</i> BMC WZ <i>Division Ref:</i> <i>Agent Ref:</i> P50462
1087.3/ Ireland	EPC	96923572.0 27-Jun-1996		0843734 26-Mar-2003	Granted 27-Jun-2016
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitkovsky <i>Title:</i> Integrated Nucleic Acid Diagnostic Device			<i>Attorney(s):</i> BMC WZ <i>Division Ref:</i> <i>Agent Ref:</i>



Case Number/Subclass Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1087.3/A Ireland	DIV	03000459.2 10-Jan-2003	1304388 23-Apr-2003	1304388 20-Feb-2008	Granted
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Uexkull & Stolberg <i>Title:</i> Integrated Nucleic Acid Diagnostic Device  <i>Attorney(s):</i> BMC WZ <i>Division Ref:</i> <i>Agent Ref:</i> P50462					
1087.3/ Italy	EPC	96923572.0 27-Jun-1996		0843734 26-Mar-2003	Granted 27-Jun-2016
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitkovsky <i>Title:</i> Integrated Nucleic Acid Diagnostic Device  <i>Attorney(s):</i> BMC WZ <i>Division Ref:</i> <i>Agent Ref:</i>					
1087.3/ Switzerland	EPC	96923572.0 27-Jun-1996		0843734 26-Mar-2003	Granted 27-Jun-2016
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitkovsky <i>Title:</i> Integrated Nucleic Acid Diagnostic Device  <i>Attorney(s):</i> BMC WZ <i>Division Ref:</i> <i>Agent Ref:</i>					
1087.3/A Switzerland	DIV	03000459.2 10-Jan-2003	1304388 23-Apr-2003	1304388 20-Feb-2008	Granted
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Uexkull & Stolberg <i>Title:</i> Integrated Nucleic Acid Diagnostic Device  <i>Attorney(s):</i> BMC WZ <i>Division Ref:</i> <i>Agent Ref:</i> P50462					

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1087.3/ United Kingdom	EPC	96923572.0 27-Jun-1996		0843734 26-Mar-2003	Granted 27-Jun-2016
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitkovsky <i>Title:</i> Integrated Nucleic Acid Diagnostic Device			<i>Attorney(s):</i> BMC WZ <i>Division Ref:</i> <i>Agent Ref:</i>
1087.3/ United States of America	CIP	08/671,928 27-Jun-1996		5,922,591 13-Jul-1999	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>			<i>Attorney(s):</i> BMC WZ <i>Division Ref:</i> <i>Agent Ref:</i>
1087.3A/ United States of America	DIV	09/294,700 19-Apr-1999		6,197,595 06-Mar-2001	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitkovsky <i>Title:</i> Integrated Nucleic Acid Diagnostic Device			<i>Attorney(s):</i> BMC <i>Division Ref:</i> <i>Agent Ref:</i>
1087.3B/ United States of America	CON	09/523,417 10-Mar-2000		6,326,211 04-Dec-2001	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitkovsky <i>Title:</i> Integrated Nucleic Acid Diagnostic Device			<i>Attorney(s):</i> BMC <i>Division Ref:</i> <i>Agent Ref:</i>

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1087.3C/ United States of America	CON	09/751,658 31-Dec-2000	0036672 01-Nov-2001	6,830,936 14-Dec-2004	Granted
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitkovsky <i>Title:</i> Integrated Nucleic Acid Diagnostic Device					
1087.5/ United States of America	CIP	09/005,985 12-Jan-1998		6,168,948 02-Jan-2001	Granted
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitkovsky <i>Title:</i> Miniaturized Genetic Analysis Systems and Methods					
1091/ United States of America	ORD	08/527,525 21-Oct-1994		5,795,716 18-Aug-1998	Granted
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Dan Mao Townsend <i>Title:</i> Computer Aided Visualization and Analysis System for Sequence Evaluation					
1091.1/ United States of America	CIP	08/531,137 16-Oct-1995		5,974,164 26-Oct-1999	Granted
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Dan Mao Townsend <i>Title:</i> Computer Aided Visualization and Analysis System for Sequence Evaluation					

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1091.1A/ United States of America	CON	09/158,765 23-Sep-1998 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Dan Mao Townsend <i>Title:</i> Computer-Aided Visualization and Analysis System for Sequence Evaluation		6,242,180 05-Jun-2001 <i>Attorney(s):</i> WZ <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
1091.1B/ United States of America	CON	09/796,071 27-Feb-2001 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Dan Mao Townsend <i>Title:</i> Computer-Aided Visualization and Analysis System for Sequence Evaluation	0012925 31-Jan-2002	6,607,887 19-Aug-2003 <i>Attorney(s):</i> WZ <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
1091C/ United States of America	CON	09/049,805 27-Mar-1998 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Dan Mao Townsend <i>Title:</i> Computer-Aided Visualization and Analysis System for Sequence Evaluation		6,733,964 11-May-2004 <i>Attorney(s):</i> WZ <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
1094/ United States of America	ORD	08/531,155 18-Sep-1995 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Lisa Treannie <i>Title:</i> Methods for Testing Oligonucleotide Arrays		5,843,655 01-Dec-1998 <i>Attorney(s):</i> TM LT <i>Division Ref:</i> <i>Agent Ref:</i>	Granted

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1094A/ United States of America	CON	08/995,265 19-Dec-1997 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Lisa Treannie <i>Title:</i> Methods for Testing Oligonucleotide Arrays		6,238,862 29-May-2001 <i>Attorney(s):</i> <i>Division Ref:</i> <i>Agent Ref:</i>	Granted LT TM
1094B/ United States of America	CON	09/781,537 08-Feb-2001 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Lisa Treannie <i>Title:</i> Methods for Testing Oligonucleotide Arrays	0009729 24-Jan-2002	6,576,425 10-Jun-2003 <i>Attorney(s):</i> TM LT <i>Division Ref:</i> <i>Agent Ref:</i>	Granted TM LT
1094C/ United States of America	CON	10/457,994 10-Jun-2003 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Lisa Treannie <i>Title:</i> Methods for Testing Oligonucleotide Arrays	0076987 22-Apr-2004	7,060,443 13-Jun-2006 <i>Attorney(s):</i> TM LT <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 28-Mar-2021 TM LT
1095/ United States of America	ORD	08/476,850 07-Jun-1995 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Methods for Making a Device for Concurrently Processing Multiple Biological Chip Assays		5,345,531 13-Aug-1996 <i>Attorney(s):</i> WZ LT <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 07-Jun-2015 WZ LT

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1095a/ United States of America	CON	08/630,051 09-Apr-1996		5,874,219 23-Feb-1999	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Lisa Treannie <i>Title:</i> Methods for Concurrently Processing Multiple Biological Chip Assays		<i>Attorney(s):</i> WZ LT <i>Division Ref:</i> <i>Agent Ref:</i>	
1095C/ United States of America	CON	10/157,252 28-May-2002		6,720,149 13-Apr-2004	Granted 10-Feb-2019
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Lisa Treannie <i>Title:</i> Methods for Concurrently Processing Multiple Biological Chip Assays		<i>Attorney(s):</i> WZ LT <i>Division Ref:</i> <i>Agent Ref:</i>	
1096/ United States of America	ORD	08/431,196 27-Apr-1995		5,624,711 29-Apr-1997	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> <i>Title:</i> Derivatization of Solid Supports and Methods for Oligomer Synthesis		<i>Attorney(s):</i> PLM JPI <i>Division Ref:</i> <i>Agent Ref:</i>	
1096B/ United States of America	DIV	08/956,986 24-Oct-1997		5,919,523 06-Jul-1999	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> <i>Title:</i> Derivatization of Solid Supports and Methods for Oligomer Synthesis		<i>Attorney(s):</i> PLM JPI <i>Division Ref:</i> <i>Agent Ref:</i>	

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
1098/ United States of America	ORD	08/535,875 28-Sep-1995 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitkovsky <i>Title:</i> Miniature Reaction Chamber and Devices Incorporating Same		6,132,580 17-Oct-2000 <i>Attorney(s):</i> BMC IZ <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
1098A/ United States of America	CON	09/651,532 29-Aug-2000 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitkovsky <i>Title:</i> Miniature Reaction Chamber and Devices Incorporating Same		6,284,525 04-Sep-2001 <i>Attorney(s):</i> BMC IZ <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
1099.1/ United States of America	CIP	08/574,461 30-Nov-1995 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> <i>Title:</i> Methods and Compositions For Monitoring Polymer Array Synthesis		7,026,114 11-Apr-2006 <i>Attorney(s):</i> TM JPI <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
2000/ United States of America	ORD	08/618,834 19-Mar-1996 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Dan Mao Townsend <i>Title:</i> Computer Aided Nucleic Acid Sequencing		6,361,937 26-Mar-2002 <i>Attorney(s):</i> WZ <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 19-Mar-2016

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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2000B/  
United States of America

CON 11/300,196  
13-Dec-2005

Owner Name: Affymetrix, Inc.  
Division: Affymetrix  
Agent Name: Steve Yee

Attorney(s): SY  
Division Ref:  
Agent Ref:

Title: Computer Aided Nucleic Acid Sequencing

0194224  
31-Aug-2006

Published

2001/  
United States of America

CIP 08/778,794  
03-Jan-1997

Owner Name: Affymetrix, Inc.  
Division: Affymetrix  
Agent Name: Lisa Treannie

Attorney(s): WZ LT  
Division Ref:  
Agent Ref:

Title: Arrays of Nucleic Acid Probes for Analyzing Biotransformation Genes and Methods Using the Same

6,309,823  
30-Oct-2001

Granted

2001.1/PCT/  
United States of America

PCT 09/341,399  
17-Nov-1999

Owner Name: Affymetrix, Inc.  
Division: Affymetrix  
Agent Name: Joe Liebeschuetz

Title: Analysis of Genetic Polymorphisms and Gene Copy Number

6,468,744  
22-Oct-2002

Granted

Attorney(s): WZ LT  
Division Ref:  
Agent Ref:

2001C/  
United States of America

CON 11/401,482  
11-Apr-2006

Owner Name: Affymetrix, Inc.  
Division: Affymetrix  
Agent Name: Sandra Wells

Title: Arrays of Nucleic Acid Probes for Analyzing Biotransformation Genes

0054286  
08-Mar-2007

Granted

7,846,659  
07-Dec-2010

01-May-2023

Attorney(s): SW  
Division Ref:  
Agent Ref:



Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status	Expiration Date
2001D/ United States of America	DIV	12/959,359 02-Dec-2010			Pending	
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Arrays of Nucleic Acid Probes for Analyzing Biotransformation Genes				<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>
2002.1/ United States of America	CIP	09/070,689 30-Apr-1998		6,114,122 05-Sep-2000	Granted	
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Darin J. Gibby <i>Title:</i> Fluidics Station with a Mounting System & a Method of Using (as amended)				<i>Attorney(s):</i> BMC DJG <i>Division Ref:</i> <i>Agent Ref:</i>
2002.1A/ United States of America	CON	09/501,095 09-Feb-2000		6,391,623 21-May-2002	Granted	
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Darin J. Gibby <i>Title:</i> Fluidics Station with Injection Needles				<i>Attorney(s):</i> BMC DJG <i>Division Ref:</i> <i>Agent Ref:</i>
2007/ United States of America	ORD	08/425,684 18-Apr-1995		5,834,252 10-Nov-1998	Granted	
		<i>Owner Name:</i> Affymetrix & Glaxo Wellcome <i>Division:</i> Affymetrix <i>Agent Name:</i> <i>Title:</i> End Complementary Polymerase Reaction				<i>Attorney(s):</i> SW JL <i>Division Ref:</i> <i>Agent Ref:</i>

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
2007.1/ United States of America	CIP	08/675,502 03-Jul-1996		5,928,905 27-Jul-1999	Granted
		<i>Owner Name:</i> Affymetrix & Glaxo Wellcome <i>Division:</i> Affymetrix <i>Agent Name:</i>			<i>Attorney(s):</i> SW JL <i>Division Ref:</i> <i>Agent Ref:</i>
		<i>Title:</i> End-Complementary Polymerase Reaction			
2007.1A/ United States of America	CON	09/245,802 05-Feb-1999	0049125 06-Dec-2001	6,489,146 03-Dec-2002	Granted
		<i>Owner Name:</i> Affymetrix & Glaxo Wellcome <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz			<i>Attorney(s):</i> TM JL <i>Division Ref:</i> <i>Agent Ref:</i>
		<i>Title:</i> End-Complementary Polymerase Reaction			
2010/ United States of America	ORD	08/626,285 04-Apr-1996		6,458,530 01-Oct-2002	Granted 04-Apr-2016
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan			<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>
		<i>Title:</i> Methods and Compositions for Selecting Tag Nucleic Acids and Probe Arrays			
2013/ United States of America	ORD	08/529,115 15-Sep-1995		6,040,138 21-Mar-2000	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan			<i>Attorney(s):</i> SW JL MT <i>Division Ref:</i> <i>Agent Ref:</i>
		<i>Title:</i> Expression Monitoring By Hybridization to High Density Oligonucleotide Arrays			

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
2013.1/ Belgium	EPC	96931598.5 13-Sep-1996		0853679 22-Jan-2003	Granted 13-Sep-2016
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Expression Monitoring By Hybridization to High Density Oligonucleotide Arrays		<i>Attorney(s):</i> SW JL <i>Division Ref:</i> <i>Agent Ref:</i>	MT
2013.1/ European Patent Convention	PCT	96931598.5 13-Sep-1996	0853679 20-Mar-1997	0853679 22-Jan-2003	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Expression Monitoring By Hybridization to High Density Oligonucleotide Arrays		<i>Attorney(s):</i> SW JL <i>Division Ref:</i> <i>Agent Ref:</i> APEP98815	MT
2013.1/ France	EPC	96931598.5 13-Sep-1996		0853679 22-Jan-2003	Granted 13-Sep-2016
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Expression Monitoring By Hybridization to High Density Oligonucleotide Arrays		<i>Attorney(s):</i> SW JL <i>Division Ref:</i> <i>Agent Ref:</i>	MT
2013.1/ Germany	EPC	96931598.5 13-Sep-1996		0853679 22-Jan-2003	Granted 13-Sep-2016
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Expression Monitoring By Hybridization to High Density Oligonucleotide Arrays		<i>Attorney(s):</i> SW JL <i>Division Ref:</i> <i>Agent Ref:</i>	MT

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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2013.1/ Ireland	EPC	96931598.5 13-Sep-1996		0853679 22-Jan-2003	Granted 13-Sep-2016
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Joe Liebeschuetz					
<i>Title:</i> Expression Monitoring By Hybridization to High Density Oligonucleotide Arrays					

2013.1/ Italy	EPC	96931598.5 13-Sep-1996		0853679 22-Jan-2003	Granted 13-Sep-2016
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Joe Liebeschuetz					
<i>Title:</i> Expression Monitoring By Hybridization to High Density Oligonucleotide Arrays					

2013.1/ Netherlands	EPC	96931598.5 16-Sep-1996		0853679 22-Jan-2003	Granted 16-Sep-2016
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Joe Liebeschuetz					
<i>Title:</i> Expression Monitoring By Hybridization to High Density Oligonucleotide Arrays					

2013.1/ Switzerland	EPC	96931598.5 16-Sep-1996		0853679 22-Jan-2003	Granted 16-Sep-2016
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Joe Liebeschuetz					
<i>Title:</i> Expression Monitoring By Hybridization to High Density Oligonucleotide Arrays					

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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2013.1/ United Kingdom	EPC	96931598.5 13-Sep-1996		0855679 22-Jan-2003	Granted 13-Sep-2016
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Joe Liebeschuetz*Title:* Expression Monitoring By Hybridization to High Density Oligonucleotide Arrays*Attorney(s):* SW JL MT*Division Ref:**Agent Ref:*

2013.1/EP/ Hong Kong	ORD	98115957.2 13-Sep-1996		HK1015416 19-Dec-2003	Granted 13-Sep-2016
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Joe Liebeschuetz*Title:* Expression Monitoring By Hybridization to High Density Oligonucleotide Arrays*Attorney(s):* SW JL MT*Division Ref:**Agent Ref:*

2013.1A/ Australia	DIV	53649/00 25-Aug-2000	751557 22-Aug-2002	751557 19-Dec-2002	Granted 13-Sep-2016
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Joe Liebeschuetz*Title:* Expression Monitoring By Hybridization to High Density Oligonucleotide Arrays*Attorney(s):* SW JL MT*Division Ref:**Agent Ref:*

2013.2/ United States of America	CIP	08/772,376 23-Dec-1996		6,309,822 30-Oct-2001	Granted
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Michael S. Tuscan*Title:* Methods for Comparing copy Number of Nucleic Acid Sequences*Attorney(s):* SW JL MT*Division Ref:**Agent Ref:*

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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2013.2C/  
United States of America

CON 11/406,531 19-Apr-2006 0227653 18-Sep-2008 6,600,996 29-Jul-2003

*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Cooley LLP

*Attorney(s):* SW  
*Division Ref:*  
*Agent Ref:*

*Title:* Expression monitoring by hybridization to high density oligonucleotide arrays

Published

2013.3/  
United States of America

CIP 08/828,952 28-Mar-1997 0183933-A1 05-Dec-2002 6,600,996 29-Jul-2003

*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Dan Mao Townsend

*Attorney(s):* SW DM  
*Division Ref:*  
*Agent Ref:*

*Title:* Computer-Aided Techniques for Analyzing Biological Sequences

Granted

2013A/  
United States of America

CON 09/212,004 14-Dec-1998 6,410,229 25-Jun-2002

*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Joe Liebeschuetz

*Attorney(s):* SW JL MT  
*Division Ref:*  
*Agent Ref:*

*Title:* Expression Monitoring By Hybridization to High Density Oligonucleotide Arrays

Granted

2013B/  
United States of America

CON 09/935,365 22-Aug-2001 0012940 31-Jan-2002 6,548,257 15-Apr-2003

*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Joe Liebeschuetz

*Attorney(s):* SW JL MT  
*Division Ref:*  
*Agent Ref:*

*Title:* Methods of Identifying Nucleic Acid Probes to Quantify the Expression of a Target Nucleic Acid

Granted

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
2013C/ United States of America	CON	10/353,792 28-Jan-2003 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Expression Monitoring by Hybridization to High Density Oligonucleotide Arrays	0215841 20-Nov-2003	6,927,032 09-Aug-2005 <i>Attorney(s):</i> SW JL <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 03-May-2017
3003/ United States of America	ORD	08/528,656 14-Sep-1995 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Dan Mao Townsend <i>Title:</i> Computer-Aided Probability Base Calling For Arrays of Nucleic Acid Probes on Chips		5,733,729 31-Mar-1998 <i>Attorney(s):</i> WZ DM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3003A/ United States of America	CON	08/948,896 10-Oct-1997 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Dan Mao Townsend <i>Title:</i> Computer-Aided Probability Base Calling For Arrays of Nucleic Acid Probes on Chips		6,066,454 23-May-2000 <i>Attorney(s):</i> WZ DM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3003B/ United States of America	CON	09/483,190 14-Jan-2000 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Dan Mao Townsend <i>Title:</i> Computer-Aided Probability Base Calling For Arrays of Nucleic Acid Probes on Chips		6,228,593 08-May-2001 <i>Attorney(s):</i> WZ DM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3003C/ United States of America	CON	09/814,144 20-Mar-2001 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Dan Mao Townsend <i>Title:</i> Computer-Aided Probability Base Calling For Arrays of Nucleic Acid Probes on Chips	0058261-A1 16-May-2002	6,546,340 08-Apr-2003 <i>Attorney(s):</i> WZ DM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3003D/ United States of America	CON	10/405,962 01-Apr-2003 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Dan Mao Townsend <i>Title:</i> Computer-Aided Probability Base Calling For Arrays of Nucleic Acid Probes on Chips	0002819 01-Jan-2004	6,957,149 18-Oct-2005 <i>Attorney(s):</i> WZ DM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 23-Mar-2022
3004/ United States of America	CIP	08/648,709 16-May-1996 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Hybridization Assays on Oligonucleotide Arrays		6,045,996 04-Apr-2000 <i>Attorney(s):</i> TM MT <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3004A/ United States of America	CON	09/393,389 10-Sep-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Hybridization Assays on Oligonucleotide Arrays		6,632,605 14-Oct-2003 <i>Attorney(s):</i> TM MT <i>Division Ref:</i> <i>Agent Ref:</i>	Granted



Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3005.1A/A Japan	DIV	2003-333828 25-Sep-2003		3711352 17-Aug-2005	Granted
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**Owner Name:** Affymetrix, Inc.**Division:** Affymetrix**Agent Name:** Dan Mao Townsend**Title:** Lithographic Mask Design and Synthesis of Diverse Probes on a Substrate**Attorney(s):** LK**Division Ref:****Agent Ref:** AFFYP015JP

3005.2/ United States of America	CIP	09/059,779 13-Apr-1998		6,153,743 28-Nov-2000	Granted
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**Owner Name:** Affymetrix, Inc.**Division:** Affymetrix**Agent Name:** Dan Mao Townsend**Title:** Lithographic Mask Design and Synthesis of Diverse Probes on a Substrate**Attorney(s):** WZ DM**Division Ref:****Agent Ref:**

3006.4/ United States of America	CIP	08/797,812 07-Feb-1997		6,228,575 08-May-2001	Granted
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**Owner Name:** Affymetrix, Inc.**Division:** Affymetrix**Agent Name:** Michael S. Tuscan**Title:** Chip-Based Speciation and Phenotypic Characterization of Microorganisms**Attorney(s):** SW**Division Ref:****Agent Ref:**

3006.4A/ United States of America	CON	09/724,938 28-Nov-2000		6,924,094 02-Aug-2005	Granted
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**Owner Name:** Affymetrix, Inc.**Division:** Affymetrix**Agent Name:** Michael S. Tuscan**Title:** Chip-Based Species Identification and Phenotypic Characterization of Microorganisms**Attorney(s):** SW**Division Ref:****Agent Ref:**

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3006.4B/ United States of America	CON	11/050.647 04-Feb-2005	0204970 14-Sep-2006	7,252,948 07-Aug-2007	Granted 04-Jul-2021
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Sandra Wells

*Attorney(s):* SW  
*Division Ref:*  
*Agent Ref:*

*Title:* Chip-Based Speciation and Phenotypic Characterization of Microorganisms

3006.7/ United States of America	CIP	09/285.306 02-Apr-1999	0187467-A1 12-Dec-2002	7,108,968 19-Sep-2006	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Michael S. Tuscan

*Attorney(s):* SW  
*Division Ref:*  
*Agent Ref:*

*Title:* Mycobacterial 16S RNA and RPOB Sequences

3007.1/ Belgium	EPC	99300721.0 01-Feb-1999	0933126 04-Aug-1999	0933126 20-Oct-2004	Granted 01-Feb-2019
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Darin J. Gibby

*Attorney(s):* BMC DJG  
*Division Ref:*  
*Agent Ref:*

*Title:* Rotational Mixing Method using a Cartridge having a Narrow Interior

3007.1/ European Patent Convention	ORD	99300721.0 01-Feb-1999	0933126 04-Aug-1999	0933126 20-Oct-2004	Granted 01-Feb-2019
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Darin J. Gibby

*Attorney(s):* BMC DJG  
*Division Ref:*  
*Agent Ref:*

*Title:* Rotational Mixing Method using a Cartridge having a Narrow Interior

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3007.1/ France	EPC	99300721.0 01-Feb-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Darin J. Gibby <i>Title:</i> Rotational Mixing Method using a Cartridge having a Narrow Interior	0933126 20-Oct-2004 <i>Attorney(s):</i> BMC DIG <i>Division Ref:</i> <i>Agent Ref:</i>	0933126 20-Oct-2004 <i>Attorney(s):</i> BMC DIG <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 01-Feb-2019
3007.1/ Germany	EPC	99300721.0 01-Feb-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Darin J. Gibby <i>Title:</i> Rotational Mixing Method using a Cartridge having a Narrow Interior	0933126 20-Oct-2004 <i>Attorney(s):</i> BMC DIG <i>Division Ref:</i> <i>Agent Ref:</i>	0933126 20-Oct-2004 <i>Attorney(s):</i> BMC DIG <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 01-Feb-2019
3007.1/ Ireland	EPC	99300721.0 01-Feb-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Darin J. Gibby <i>Title:</i> Rotational Mixing Method using a Cartridge having a Narrow Interior	0933126 20-Oct-2004 <i>Attorney(s):</i> BMC DIG <i>Division Ref:</i> <i>Agent Ref:</i>	0933126 20-Oct-2004 <i>Attorney(s):</i> BMC DIG <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 01-Feb-2019
3007.1/ Italy	EPC	99300721.0 01-Feb-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Darin J. Gibby <i>Title:</i> Rotational Mixing Method using a Cartridge having a Narrow Interior	0933126 20-Oct-2004 <i>Attorney(s):</i> BMC DIG <i>Division Ref:</i> <i>Agent Ref:</i>	0933126 20-Oct-2004 <i>Attorney(s):</i> BMC DIG <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 01-Feb-2019

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3007.1/ Netherlands	EPC	99300721.0 01-Feb-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Darin J. Gibby <i>Title:</i> Rotational Mixing Method using a Cartridge having a Narrow Interior		0933126 20-Oct-2004 <i>Attorney(s):</i> BMC DJG <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 01-Feb-2019
3007.1/ Switzerland	EPC	99300721.0 01-Feb-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Darin J. Gibby <i>Title:</i> Rotational Mixing Method using a Cartridge having a Narrow Interior		0933126 20-Oct-2004 <i>Attorney(s):</i> BMC DJG <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 01-Feb-2019
3007.1/ United Kingdom	EPC	99300721.0 01-Feb-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> <i>Title:</i> Rotational Mixing Method using a Cartridge having a Narrow Interior		0933126 20-Oct-2004 <i>Attorney(s):</i> BMC DJG <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 01-Feb-2019
3007.1/ United States of America	CIP	09/032,724 27-Feb-1998 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Darin J. Gibby <i>Title:</i> Rotational Mixing Method using a Cartridge having a Narrow Interior		6,050,719 18-Apr-2000 <i>Attorney(s):</i> BMC DJG <i>Division Ref:</i> <i>Agent Ref:</i>	Granted

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3007.1B/ United States of America	CON	10/062.431 30-Jan-2002	0071339-A1 13-Jun-2002	6,705,754 16-Mar-2004	Granted 19-Jan-2020
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Darin J. Gibby <i>Title:</i> Device and Methods for Mixing Fluids			<i>Attorney(s):</i> BMC DJG <i>Division Ref:</i> <i>Agent Ref:</i>
3007.1C/ United States of America	DIV	10/727.877 03-Dec-2003	0114456-A1 17-Jun-2004	7,125,161 24-Oct-2006	Granted 19-Jan-2020
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>			<i>Attorney(s):</i> BMC DJG <i>Division Ref:</i> <i>Agent Ref:</i>
3010/ European Patent Convention	ORD	96308616.0 28-Nov-1996	0785280 23-Jul-1997	0785280 02-Apr-2003	Granted 28-Nov-2016
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Lisa Treannie <i>Title:</i> Polymorphism Detection			<i>Attorney(s):</i> SW LT <i>Division Ref:</i> <i>Agent Ref:</i>
3010/ France	EPC	96308616.0 28-Nov-1996	0785280	0785280 02-Apr-2003	Granted 28-Nov-2016
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Lisa Treannie <i>Title:</i> Polymorphism Detection			<i>Attorney(s):</i> SW LT <i>Division Ref:</i> <i>Agent Ref:</i>

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3010/ Germany	EPC	96308616.0 28-Nov-1996	0785280	0785280 02-Apr-2003	Granted 28-Nov-2016
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Lisa Treannie <i>Title:</i> Polymorphism Detection			<i>Attorney(s):</i> SW LT <i>Division Ref:</i> <i>Agent Ref:</i>
3010/ United Kingdom	EPC	96308616.0 28-Nov-1996	0785280	0785280 02-Apr-2003	Granted 28-Nov-2016
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Lisa Treannie <i>Title:</i> Polymorphism Detection			<i>Attorney(s):</i> SW LT <i>Division Ref:</i> <i>Agent Ref:</i>
3010/ United States of America	ORD	08/563,762 29-Nov-1995		5,858,659 12-Jan-1999	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Lisa Treannie <i>Title:</i> Polymorphism Detection			<i>Attorney(s):</i> SW LT <i>Division Ref:</i> <i>Agent Ref:</i>
3010.2/ United States of America	CIP	08/853,370 08-May-1997		6,300,063 09-Oct-2001	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Dan Mao Townsend <i>Title:</i> Polymorphism Detection			<i>Attorney(s):</i> WZ DM <i>Division Ref:</i> <i>Agent Ref:</i>

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3010.2A/ United States of America	CON	09/939,119 24-Aug-2001 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Dan Mao Townsend <i>Title:</i> Polymorphism Detection	0098496 25-Jul-2002	6,586,186 01-Jul-2003 <i>Attorney(s):</i> WZ DM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 08-May-2017
3010.2B/ United States of America	CON	10/607,829 27-Jun-2003 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Dan Mao Townsend <i>Title:</i> Polymorphism Detection		6,953,663 11-Oct-2005 <i>Attorney(s):</i> WZ DM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 08-May-2017
3010.2D/ United States of America	CON	11/675,980 16-Feb-2007 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Lisa Kajisa <i>Title:</i> Polymorphism Detection	0044920 21-Feb-2008	7,674,587 09-Mar-2010 <i>Attorney(s):</i> WZ LK <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3010.2E/ United States of America	CON	12/692,729 25-Jan-2010 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Polymorphism Detection	0286924 11-Nov-2010	8,095,323 10-Jan-2012 <i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>	Granted

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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30102F/  
United States of America

CON 13/297,072  
15-Nov-2011  
**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Sandra Wells  
**Title:** Polymorphism Detection

**Attorney(s):** SW  
**Division Ref:**  
**Agent Ref:**

Pending

30106/  
United States of America

REX 90/008,675  
25-Jun-2007  
**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Sandra Wells  
**Title:** Array of Oligonucleotides on a Solid Substrate

**Attorney(s):** SW  
**Division Ref:**  
**Agent Ref:**

5,445,934  
21-Apr-2009  
Granted

30107/  
United States of America

REX 90/008,708  
25-Jul-2007  
**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Sandra Wells  
**Title:** Methods Involving Direct Write Optical Lithography

**Attorney(s):** SW  
**Division Ref:**  
**Agent Ref:**

6,271,957  
21-Jul-2009  
Granted

30109/  
United States of America

REX 90/008,889  
27-Nov-2007  
**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Sandra Wells  
**Title:** Nucleic Acid Reading And Analysis System

**Attorney(s):** SW  
**Division Ref:**  
**Agent Ref:**

6,646,243  
04-Nov-2008  
Granted



Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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30111/ United States of America	CIP	08/544,376 17-Oct-1995		5,658,734 19-Aug-1997	Granted
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*Owner Name:* Affymetrix and IBM*Division:* Affymetrix*Agent Name:* Tom Malone*Title:* Process for Synthesizing Chemical Compounds*Attorney(s):* TM*Division Ref:**Agent Ref:*

30110/ United States of America	REX	90/008,886 27-Nov-2007		5,795,716 16-Jun-2009	Granted
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Sandra Wells*Title:* Computer-Aided Visualization and Analysis System for Sequence Evaluation*Attorney(s):* SW*Division Ref:**Agent Ref:*

30111/ United States of America	REX	90/008,888 27-Nov-2007		5,545,531 15-Dec-2009	Granted
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Sandra Wells*Title:* Methods for Making a Device for Concurrently Processing Multiple Biological Chip Assays*Attorney(s):* SW*Division Ref:**Agent Ref:*

30112/ United States of America	REX	90/008,885 27-Nov-2007		6,355,432 30-Dec-2008	Granted
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Sandra Wells*Title:* Products for Detecting Nucleic Acids*Attorney(s):* SW*Division Ref:**Agent Ref:*

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3013.1/ United States of America	REX	90/008,895 05-Dec-2007		6,399,365 22-Sep-2009	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Bioarray Chip Reaction Apparatus and Its Manufacture			<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>
3013.1/ United States of America	CIP	08/630,148 10-Apr-1996		6,022,963 08-Feb-2000	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Lisa Treanue <i>Title:</i> Synthesis of Oligonucleotide Arrays Using Photocleavable Protecting Groups			<i>Attorney(s):</i> TM LT <i>Division Ref:</i> <i>Agent Ref:</i>
3013.2/ United States of America	CIP	08/812,005 05-Mar-1997		6,147,205 14-Nov-2000	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Lisa Treannie <i>Title:</i> Photocleavable Protecting Groups and Methods for Their Use			<i>Attorney(s):</i> TM LT <i>Division Ref:</i> <i>Agent Ref:</i>
3013.2A/ United States of America	CON	09/525,045 14-Mar-2000		6,566,515 20-May-2003	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Lisa Treannie <i>Title:</i> Photocleavable Protecting Groups and Methods for Their Use			<i>Attorney(s):</i> TM LT <i>Division Ref:</i> <i>Agent Ref:</i>

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3013.2B/ United States of America	DIV	10/348,917 22-Jan-2003	0144499 31-Jul-2003	6,881,836 19-Apr-2005	Granted 04-Jun-2020
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Lisa Treannie

*Title:* Photocleavable Protecting Groups and Methods for Their Use

*Attorney(s):* TM LT  
*Division Ref:*  
*Agent Ref:*

3013.2C/ United States of America	CON	11/105,571 14-Apr-2005	0266148 01-Dec-2005	7,470,783 30-Dec-2008	Granted 14-Mar-2020
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Tom Malone

*Title:* Photocleavable Protecting Groups and Methods for Their Use

*Attorney(s):* TM LK  
*Division Ref:*  
*Agent Ref:*

3013.2D/ United States of America	CON	12/343,782 24-Dec-2008	0280234 04-Nov-2010		Published
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Cooley LLP

*Title:* Photocleavable Protecting Groups and Methods for Their Use

*Attorney(s):* TS  
*Division Ref:*  
*Agent Ref:*

3013.3/ United States of America	CIP	12/510,501 28-Jul-2009	0028350 03-Feb-2011		Published
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Cooley LLP

*Title:* Photocleavable Protecting Groups and Methods for their use

*Attorney(s):* TS  
*Division Ref:*  
*Agent Ref:*

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3014.1/ United States of America	CIP	08/882,649 25-Jun-1997 <b>Owner Name:</b> Affymetrix, Inc. <b>Division:</b> Affymetrix <b>Agent Name:</b> Michael S. Tuscan <b>Title:</b> Nucleic Acid Analysis Techniques		6,344,316 05-Feb-2002 <b>Attorney(s):</b> TS <b>Division Ref:</b> <b>Agent Ref:</b>	Granted
3014.10/ United States of America	CIP	10/641,677 15-Aug-2003 <b>Owner Name:</b> Affymetrix, Inc. <b>Division:</b> Affymetrix <b>Agent Name:</b> Tom Malone <b>Title:</b> Nucleic Acid Labeling Compounds	0101892-A1 27-May-2004	7,282,327 16-Oct-2007 <b>Attorney(s):</b> TS <b>Division Ref:</b> <b>Agent Ref:</b>	Granted 12-Mar-2021
3014.11/ United States of America	CIP	10/745,916 23-Dec-2003 <b>Owner Name:</b> Affymetrix, Inc. <b>Division:</b> Affymetrix <b>Agent Name:</b> Tom Malone <b>Title:</b> Nucleic Acid Labeling Compounds	0003496 06-Jan-2005	7,291,463 06-Nov-2007 <b>Attorney(s):</b> TM <b>Division Ref:</b> <b>Agent Ref:</b>	Granted 17-Jan-2024
3014.13/ United States of America	DIV	12/163,528 27-Jun-2008 <b>Owner Name:</b> Affymetrix, Inc. <b>Division:</b> Affymetrix <b>Agent Name:</b> Tom Siepmann <b>Title:</b> Nucleic Acid Labeling Compounds	0287667 20-Nov-2008	8,026,057 27-Sep-2011 <b>Attorney(s):</b> TS <b>Division Ref:</b> <b>Agent Ref:</b>	Granted 12-Mar-2021

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3014.13A/ United States of America	DIV	12/892,531 28-Sep-2010	0082289 07-Apr-2011	8,076,072 13-Dec-2011	Granted 12-Mar-2021
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Tom Siepmann  
**Attorney(s):** TS  
**Division Ref:**  
**Agent Ref:**

**Title:** Nucleic Acid Labeling Compounds

3014.13B/ United States of America	CON	13/286,870 01-Nov-2011	0053336 01-Mar-2012		Published
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Tom Siepmann  
**Attorney(s):** TS  
**Division Ref:**  
**Agent Ref:**

**Title:** Nucleic Acid Labeling Compounds

3014.1A/ United States of America	CON	09/880,727 13-Jun-2001	0064364-A1 03-Apr-2003	6,858,711 22-Feb-2005	Granted 01-Aug-2017
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Joe Liebeschuetz  
**Attorney(s):** TM JL  
**Division Ref:**  
**Agent Ref:**

**Title:** Labeling Reagents

3014.2/PCT/ Belgium	EPP	99937150.3 20-Jul-1999	1124838	1124838 01-Jun-2005	Granted
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Michael S. Tuscan  
**Attorney(s):** TS  
**Division Ref:**  
**Agent Ref:**

**Title:** Nucleic Acid Labeling Compounds

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3014.2/PCT/ European Patent Convention	PCT	99937150.3 20-Jul-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Nucleic Acid Labeling Compounds	1124838 22-Aug-2001	1124838 01-Jun-2005 <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3014.2/PCT/ France	EPP	99937150.3 20-Jul-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Nucleic Acid Labeling Compounds	1124838	1124838 01-Jun-2005 <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3014.2/PCT/ Germany	EPP	99937150.3 20-Jul-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Nucleic Acid Labeling Compounds	1124838	1124838 01-Jun-2005 <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3014.2/PCT/ Ireland	EPP	99937150.3 20-Jul-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Nucleic Acid Labeling Compounds	1124838	1124838 01-Jun-2005 <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>	Granted

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3014.2/PCT/ Italy	EPP	99937150.3 20-Jul-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Nucleic Acid Labeling Compounds	1124838	1124838 01-Jun-2005 <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3014.2/PCT/ Netherlands	EPP	99937150.3 20-Jul-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Nucleic Acid Labeling Compounds	1124838	1124838 01-Jun-2005 <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3014.2/PCT/ Switzerland	EPP	99937150.3 20-Jul-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Nucleic Acid Labeling Compounds	1124838	1124838 01-Jun-2005 <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3014.2/PCT/ United Kingdom	EPP	99937150.3 20-Jul-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Nucleic Acid Labeling Compounds	1124838	1124838 01-Jun-2005 <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>	Granted

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3014.8/ United States of America	CIP	09/952,387 11-Sep-2001 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Nucleic Acid Labeling Compounds	016372-A1 07-Nov-2002	6,965,020 15-Nov-2005 <i>Attorney(s):</i> TM MT <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 12-Mar-2021
3014.8A/ United States of America	CON	11/125,338 10-May-2005 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Nucleic Acid Labeling Compounds	0287563 29-Dec-2005	7,423,143 09-Sep-2008 <i>Attorney(s):</i> TM LK <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 12-Mar-2021
3014.9/ United States of America	ORD	10/097,113 12-Mar-2002 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Nucleic Acid Labeling Compounds	0182625-A1 05-Dec-2002	7,468,243 23-Dec-2008 <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 20-Mar-2022
3014.9A/ United States of America	CIP	10/314,012 05-Dec-2002 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Biotin Containing C-Glycoside Nucleic Acid Labeling Compounds	0180757-A1 25-Sep-2003	6,864,059 08-Mar-2005 <i>Attorney(s):</i> TM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted



Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3015.1/ United States of America	CIP	08/856,642 15-May-1997		5,981,956 09-Nov-1999	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:*

*Attorney(s):* LK  
*Division Ref:*  
*Agent Ref:*

*Title:* Systems and Methods for Detection of Labeled Materials

3015.1A/ United States of America	CON	09/295,214 21-Apr-1999	185610-AI 12-Dec-2002	6,207,960 27-Mar-2001	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Ivan Zitkovsky

*Attorney(s):* LK  
*Division Ref:*  
*Agent Ref:*

*Title:* Systems and Methods for Detection of Labeled Materials

3015.1C/ United States of America	CON	10/191,420 08-Jul-2002	185610-AI 12-Dec-2002	6,597,000 22-Jul-2003	Granted 26-Mar-2021
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Ivan Zitkovsky

*Attorney(s):* BMC  
*Division Ref:*  
*Agent Ref:*

*Title:* Systems and methods for Detection of Labeled Materials

3016.1/ United States of America	CIP	08/933,219 18-Sep-1997		6,329,140 11-Dec-2001	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Joe Liebeschuetz

*Attorney(s):* TM JL UXS  
*Division Ref:*  
*Agent Ref:*

*Title:* Rapid Identification of Sequence Signatures in Nucleic Acid Molecules

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3016.2/ United States of America	CIP	09/321,481 27-May-1999		6,391,550 21-May-2002	Granted
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**Owner Name:** Affymetrix, Inc.

**Division:** Affymetrix

**Agent Name:** Tom Malone

**Title:** Rapid Identification of Sequence Signatures in Nucleic Acid Molecules

**Attorney(s):** TM

**Division Ref:**

**Agent Ref:**

3016.2A/ United States of America	CON	10/099,442 14-Mar-2002	0129604-A1 10-Jul-2003	7,135,285 14-Nov-2006	Granted 05-Aug-2019
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**Owner Name:** Affymetrix, Inc.

**Division:** Affymetrix

**Agent Name:** Joe Liebeschuetz

**Title:** Rapid Identification of Sequence Signatures in Nucleic Acid Molecules

**Attorney(s):** TM JL

**Division Ref:**

**Agent Ref:**

3016.3/ United States of America	CON	10/911,065 04-Aug-2004	0069927 31-Mar-2005	7,323,307 29-Jan-2008	Granted 27-May-2019
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**Owner Name:** Affymetrix, Inc.

**Division:** Affymetrix

**Agent Name:** Michael S. Tuscan

**Title:** Rapid Identification of Sequence Signatures in Nucleic Acid Molecules

**Attorney(s):** TM JL

**Division Ref:**

**Agent Ref:**

3016.5/ United States of America	CON	11/745,987 08-May-2007	0029865 29-Jan-2009	8,084,197 27-Dec-2011	Granted 23-Dec-2019
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**Owner Name:** Affymetrix, Inc.

**Division:** Affymetrix

**Agent Name:** Sandra Wells

**Title:** Identification of Molecular Sequence Signatures and Methods Involving the same

**Attorney(s):** SW

**Division Ref:**

**Agent Ref:**

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status	Expiration Date
3016.6/ United States of America	CON	13/300,341 18-Nov-2011 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells	0077701 29-Mar-2012		Published	
		<i>Title:</i> Identification of Molecular Sequence Signatures and Methods Involving the same				
3017/ United States of America	ORD	09/138,958 24-Aug-1998 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz		6,306,643 23-Oct-2001	Granted	24-Aug-2018
		<i>Title:</i> Use of Pooled Probes In Genetic Analysis				
3017/PCT/ Belgium	EPC	99942387.4 19-Aug-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz	1108062 20-Jun-2001	1108062 16-Jun-2004	Granted	19-Aug-2019
		<i>Title:</i> Use of Pooled Probes In Genetic Analysis				
3017/PCT/ European Patent Convention	PCT	99942387.4 19-Aug-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz	1108062 20-Jun-2001	1108062 16-Jun-2004	Granted	
		<i>Title:</i> Use of Pooled Probes In Genetic Analysis				

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3017/PCT/ France	EPC	99942387.4 19-Aug-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Use of Pooled Probes In Genetic Analysis	1108062 20-Jun-2001	1108062 16-Jun-2004 <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 19-Aug-2019
3017/PCT/ Germany	EPC	99942387.4 19-Aug-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Use of Pooled Probes In Genetic Analysis	1108062 20-Jun-2001	69918130.5 16-Jun-2004 <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 19-Aug-2019
3017/PCT/ Ireland	EPC	99942387.4 19-Aug-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Use of Pooled Probes In Genetic Analysis	1108062 20-Jun-2001	1108062 16-Jun-2004 <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 19-Aug-2019
3017/PCT/ Italy	EPC	99942387.4 19-Aug-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Use of Pooled Probes In Genetic Analysis	1108062 20-Jun-2001	1108062 16-Jun-2004 <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 19-Aug-2019

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3017/PCT/ Netherlands	EPC	99942387.4 19-Aug-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Use of Pooled Probes In Genetic Analysis	1108062 20-Jun-2001	1108062 16-Jun-2004 <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 19-Aug-2019
3017/PCT/ Switzerland	EPC	99942387.4 19-Aug-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Use of Pooled Probes In Genetic Analysis	1108062 20-Jun-2001	1108062 16-Jun-2004 <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 19-Aug-2019
3017/PCT/ United Kingdom	EPC	99942387.4 19-Aug-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Use of Pooled Probes In Genetic Analysis	1108062 20-Jun-2001	1108062 16-Jun-2004 <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 19-Aug-2019
3017A/ United States of America	CON	09/930,536 14-Aug-2001 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Methods of Using an Array of Pooled Probes in Genetic Analysis	106663-A1 08-Aug-2002	6,852,490 08-Feb-2005 <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 11-Oct-2018

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3017C/ United States of America	CON	11/876,920 23-Oct-2007	0041569 18-Feb-2010		Published
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Steve Yee  
*Attorney(s):* SY  
*Division Ref:*  
*Agent Ref:*

*Title:* Methods of Using An Array of Pooled Probes in Genetic Analysis

3017D/ United States of America	CON	12/858,237 17-Aug-2010	0009289 13-Jan-2011		Published
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Steve Yee  
*Attorney(s):* SY  
*Division Ref:*  
*Agent Ref:*

*Title:* Methods of Using An Array of Pooled Probes in Genetic Analysis

3018.1/ United States of America	CIP	09/182,991 30-Oct-1998		6,033,860 07-Mar-2000	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Joe Liebeschuetz  
*Attorney(s):* SW JL  
*Division Ref:*  
*Agent Ref:*

*Title:* Expression Profiles in Adult and Fetal Organs

3018.1/PCT/ Belgium	EPP	98956326.7 30-Oct-1998		1027456 16-Mar-2005	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Joe Liebeschuetz  
*Attorney(s):* SW JL  
*Division Ref:*  
*Agent Ref:*

*Title:* Expression Profiles in Adult and Fetal Organs

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3018.1/PCT/ European Patent Convention	PCT	98956326.7 30-Oct-1998	1027456 16-Aug-2000	1027456 16-Mar-2005	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Expression Profiles in Adult and Fetal Organs			<i>Attorney(s):</i> SW JL <i>Division Ref:</i> <i>Agent Ref:</i> P54257
3018.1/PCT/ France	EPP	98956326.7 30-Oct-1998		1027456 16-Mar-2005	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Expression Profiles in Adult and Fetal Organs			<i>Attorney(s):</i> SW JL <i>Division Ref:</i> <i>Agent Ref:</i>
3018.1/PCT/ Germany	EPP	98956326.7 30-Oct-1998		1027456 16-Mar-2005	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Expression Profiles in Adult and Fetal Organs			<i>Attorney(s):</i> SW JL <i>Division Ref:</i> <i>Agent Ref:</i>
3018.1/PCT/ Ireland	EPP	98956326.7 30-Oct-1998		1027456 16-Mar-2005	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Expression Profiles in Adult and Fetal Organs			<i>Attorney(s):</i> SW JL <i>Division Ref:</i> <i>Agent Ref:</i>

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3018.1/PCT/ Italy	EPP	98956326.7 30-Oct-1998		1027456 16-Mar-2005	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Joe Liebeschuetz

*Title:* Expression Profiles in Adult and Fetal Organs

*Attorney(s):* SW JL  
*Division Ref:*  
*Agent Ref:*

3018.1/PCT/ Netherlands	EPP	98956326.7 30-Oct-1998		1027456 16-Mar-2005	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Joe Liebeschuetz

*Title:* Expression Profiles in Adult and Fetal Organs

*Attorney(s):* SW JL  
*Division Ref:*  
*Agent Ref:*

3018.1/PCT/ Switzerland	EPP	98956326.7 30-Oct-1998		1027456 16-Mar-2005	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Joe Liebeschuetz

*Title:* Expression Profiles in Adult and Fetal Organs

*Attorney(s):* SW JL  
*Division Ref:*  
*Agent Ref:*

3018.1/PCT/ United Kingdom	EPP	98956326.7 30-Oct-1998		1027456 16-Mar-2005	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Joe Liebeschuetz

*Title:* Expression Profiles in Adult and Fetal Organs

*Attorney(s):* SW JL  
*Division Ref:*  
*Agent Ref:*



Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3019.1/ United States of America	CIP	08/813,508 07-Mar-1997		5,856,104 05-Jan-1999	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Joe Liebeschuetz  
*Attorney(s):* SW JL  
*Division Ref:*  
*Agent Ref:*

*Title:* Polymorphisms in the Glucose-6 Phosphate Dehydrogenase Locus

3023/ Belgium	EPC	99250202.1 21-Jun-1999	0967217	0967217 21-Dec-2005	Granted 21-Jun-2019
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Lisa Treannie  
*Attorney(s):* LK  
*Division Ref:*  
*Agent Ref:*

*Title:* Reagents and Methods for Solid-Phase Synthesis and Display

3023/ European Patent Convention	ORD	99250202.1 21-Jun-1999	0967217 14-Feb-2001	0967217 21-Dec-2005	Granted 21-Jun-2019
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Lisa Treannie  
*Attorney(s):* LK  
*Division Ref:*  
*Agent Ref:* P50963

*Title:* Reagents and Methods for Solid-Phase Synthesis and Display

3023/ France	EPC	99250202.1 21-Jun-1999	0967217	0967217 21-Dec-2005	Granted 21-Jun-2019
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Lisa Treannie  
*Attorney(s):* LK  
*Division Ref:*  
*Agent Ref:*

*Title:* Reagents and Methods for Solid-Phase Synthesis and Display

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3023/ Germany	EPC	99250202.1 21-Jun-1999	0967217	69928995.5 21-Dec-2005	Granted 21-Jun-2019
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Lisa Treannie <i>Title:</i> Reagents and Methods for Solid-Phase Synthesis and Display		<i>Attorney(s):</i> LK <i>Division Ref:</i> <i>Agent Ref:</i>	
3023/ Ireland	EPC	99250202.1 21-Jun-1999	0967217	0967217 21-Dec-2005	Granted 21-Jun-2019
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Lisa Treannie <i>Title:</i> Reagents and Methods for Solid-Phase Synthesis and Display		<i>Attorney(s):</i> LK <i>Division Ref:</i> <i>Agent Ref:</i>	
3023/ Italy	EPC	99250202.1 21-Jun-1999	0967217	0967217 21-Dec-2005	Granted 21-Jun-2019
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Lisa Treannie <i>Title:</i> Reagents and Methods for Solid-Phase Synthesis and Display		<i>Attorney(s):</i> LK <i>Division Ref:</i> <i>Agent Ref:</i>	
3023/ Switzerland	EPC	99250202.1 21-Jun-1999	0967217	0967217 21-Dec-2005	Granted 21-Jun-2019
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Lisa Treannie <i>Title:</i> Reagents and Methods for Solid-Phase Synthesis and Display		<i>Attorney(s):</i> LK <i>Division Ref:</i> <i>Agent Ref:</i>	

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3023/ United Kingdom	EPC	99250202.1 21-Jun-1999	0967217	0967217 21-Dec-2005	Granted 21-Jun-2019
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Lisa Treannie <i>Title:</i> Reagents and Methods for Solid-Phase Synthesis and Display		<i>Attorney(s):</i> LK <i>Division Ref:</i> <i>Agent Ref:</i>	
3023/EP/ Hong Kong	ORD	00103930.7 29-Jun-2000		1024920 03-Mar-2006	Granted 29-Jun-2020
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Lisa Treannie <i>Title:</i> Reagents and Methods for Solid-Phase Synthesis and Display		<i>Attorney(s):</i> TM SP <i>Division Ref:</i> <i>Agent Ref:</i>	
3028.1/ United States of America	CIP	08/856,376 14-May-1997		7,339,049 04-Mar-2008	Granted SW JL
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Polymorphisms in Human Mitochondrial DNA		<i>Attorney(s):</i> SW JL <i>Division Ref:</i> <i>Agent Ref:</i>	
3030.1/ United States of America	CIP	09/122,434 24-Jul-1998		6,308,170 23-Oct-2001	Granted 25-Jul-2017
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Gene Expression and Evaluation System		<i>Attorney(s):</i> WZ JL <i>Division Ref:</i> <i>Agent Ref:</i>	

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3030.1/PCT/ Japan	PCT	2000-504290 25-Jan-2000	01-511546 14-Aug-2001	3776728 03-Mar-2006	Granted 24-Jul-2018
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Dan Mao Townsend*Title:* Gene Expression and Evaluation System*Attorney(s):* LK*Division Ref:**Agent Ref:*

3030.1A/ United States of America	CON	09/940,285 27-Aug-2001	0062319 23-May-2002	6,532,462 11-Mar-2003	Granted 24-Jul-2018
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Joe Liebeschuetz*Title:* Gene Expression and Evaluation System using a Filter Table with a Gene Expression Database*Attorney(s):* LK*Division Ref:**Agent Ref:*

3033.1D/ United States of America	DIV	10/395,262 25-Mar-2003	0143625 31-Jul-2003	6,803,229 12-Oct-2004	Granted 12-Sep-2020
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Michael S. Tuscan*Title:* Method for Analysis of Biological Substances in a Conductive Liquid Medium*Attorney(s):* TM MT*Division Ref:**Agent Ref:*

3034.1/ European Patent Convention	PCT	97947595.1 13-Nov-1997	0946286 22-May-1998	0946286 19-Mar-2003	Granted
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:**Title:* Chemical Amplification for the Synthesis of Patterned Arrays*Attorney(s):* TM JPI*Division Ref:**Agent Ref:*

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3034.1/ France	EPC	97947595.1 13-Nov-1997		0946286 19-Mar-2003	Granted 13-Nov-2017
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*Owner Name:* Affymetrix, Inc.

*Division:* Affymetrix

*Agent Name:*

*Title:* Chemical Amplification for the Synthesis of Patterned Arrays

*Attorney(s):* TM JPI

*Division Ref:*

*Agent Ref:*

3034.1/ Germany	EPC	97947595.1 13-Nov-1997		69720041.8 19-Mar-2003	Granted 13-Nov-2017
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*Owner Name:* Affymetrix, Inc.

*Division:* Affymetrix

*Agent Name:*

*Title:* Chemical Amplification for the Synthesis of Patterned Arrays

*Attorney(s):* TM JPI

*Division Ref:*

*Agent Ref:*

3034.1/ Japan	PCT	10-522939 14-May-1999	08-Jan-2003	3364230 25-Oct-2002	Granted 13-Nov-2017
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*Owner Name:* Affymetrix, Inc.

*Division:* Affymetrix

*Agent Name:*

*Title:* Chemical Amplification for the Synthesis of Patterned Arrays

*Attorney(s):* TM JPI

*Division Ref:*

*Agent Ref:* F1-99664788

3034.1/ Liechtenstein	EPC	97947595.1 13-Nov-1997		0946286 19-Mar-2003	Granted 13-Nov-2017
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*Owner Name:* Affymetrix, Inc.

*Division:* Affymetrix

*Agent Name:*

*Title:* Chemical Amplification for the Synthesis of Patterned Arrays

*Attorney(s):* TM JPI

*Division Ref:*

*Agent Ref:*

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3034.1/ United Kingdom	EPC	97947595.1 13-Nov-1997		0946286 19-Mar-2003	Granted 13-Nov-2017
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:*

*Attorney(s):* TM JPI  
*Division Ref:*  
*Agent Ref:*

*Title:* Chemical Amplification for the Synthesis of Patterned Arrays

3034.1/ United States of America	CIP	08/969,227 13-Nov-1997		6,083,697 04-Jul-2000	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:*

*Attorney(s):* TM JPI  
*Division Ref:*  
*Agent Ref:*

*Title:* Chemical Amplification for the Synthesis of Patterned Arrays

3034.1A/ United States of America	CON	09/578,282 25-May-2000		6,770,436 03-Aug-2004	Granted 25-May-2020
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:*

*Attorney(s):* TM JPI  
*Division Ref:*  
*Agent Ref:*

*Title:* Chemical Amplification for the Synthesis of Patterned Arrays

3037.1/ United States of America	CIP	09/215,207 18-Dec-1998		6,333,155 25-Dec-2001	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Sandra Wells

*Attorney(s):* WZ  
*Division Ref:*  
*Agent Ref:*

*Title:* Exploiting Genomics in the Search for New Drugs

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3037.1/PCT/ Belgium	EPC	98964070.1 18-Dec-1998		1040204 03-Mar-2004	Granted 18-Dec-2018
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>			<i>Attorney(s):</i> WZ <i>Division Ref:</i> <i>Agent Ref:</i>
		<i>Title:</i> Exploiting Genomics in the Search for New Drugs			
3037.1/PCT/ European Patent Convention	PCT	98964070.1 18-Dec-1998	1040204 01-Jul-1999	1040204 03-Mar-2004	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>			<i>Attorney(s):</i> WZ <i>Division Ref:</i> <i>Agent Ref:</i>
		<i>Title:</i> Exploiting Genomics in the Search for New Drugs			
3037.1/PCT/ France	EPC	98964070.1 18-Dec-1998		1040204 03-Mar-2004	Granted 18-Dec-2018
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>			<i>Attorney(s):</i> WZ <i>Division Ref:</i> <i>Agent Ref:</i>
		<i>Title:</i> Exploiting Genomics in the Search for New Drugs			
3037.1/PCT/ Germany	EPC	98964070.1 18-Dec-1998		69822206.7 03-Mar-2004	Granted 18-Dec-2018
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>			<i>Attorney(s):</i> WZ <i>Division Ref:</i> <i>Agent Ref:</i>
		<i>Title:</i> Exploiting Genomics in the Search for New Drugs			

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3037.1/PCT/ Ireland	EPC	98964070.1 18-Dec-1998		1040204 03-Mar-2004	Granted 18-Dec-2018
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:**Title:* Exploiting Genomics in the Search for New Drugs*Attorney(s):* WZ*Division Ref:**Agent Ref:*

3037.1/PCT/ Italy	EPC	98964070.1 18-Dec-1998		1040204 03-Mar-2004	Granted 18-Dec-2018
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:**Title:* Exploiting Genomics in the Search for New Drugs*Attorney(s):* WZ*Division Ref:**Agent Ref:*

3037.1/PCT/ Netherlands	EPC	98964070.1 18-Dec-1998		1040204 03-Mar-2004	Granted 18-Dec-2018
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:**Title:* Exploiting Genomics in the Search for New Drugs*Attorney(s):* WZ*Division Ref:**Agent Ref:*

3037.1/PCT/ Switzerland	EPC	98964070.1 18-Dec-1998		1040204 03-Mar-2004	Granted 18-Dec-2018
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:**Title:* Exploiting Genomics in the Search for New Drugs*Attorney(s):* WZ*Division Ref:**Agent Ref:*



Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3037.1/PCT/ United Kingdom	EPC	98964070.1 18-Dec-1998		1040204 03-Mar-2004	Granted 18-Dec-2018
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:*

*Attorney(s):* WZ  
*Division Ref:*  
*Agent Ref:*

*Title:* Exploiting Genomics in the Search for New Drugs

3037.1A/ United States of America	DIV	09/900,845 06-Jul-2001	0055771 27-Dec-2001	6,524,800 25-Feb-2003	Granted 18-Dec-2018
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:*

*Attorney(s):* WZ  
*Division Ref:*  
*Agent Ref:*

*Title:* Exploiting Genomics in the Search for New Drugs

3038.1/ United States of America	CIP	08/813,507 07-Mar-1997		6,114,116 05-Sep-2000	Granted
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*Owner Name:* Affymetrix & Group Limagrain  
*Division:* Affymetrix  
*Agent Name:*

*Attorney(s):* SW JL  
*Division Ref:*  
*Agent Ref:*

*Title:* Brassica Polymorphisms

3038.1A/ United States of America	CON	09/464,453 14-Dec-1999		6,358,686 19-Mar-2002	Granted
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*Owner Name:* Affymetrix & Group Limagrain  
*Division:* Affymetrix  
*Agent Name:* Joe Liebeschuetz

*Attorney(s):* SW JL  
*Division Ref:*  
*Agent Ref:*

*Title:* Brassica Polymorphisms

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3041.2/ United States of America	ORD	09/049,025 27-Mar-1998		6,020,135 01-Feb-2000	Granted
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*Owner Name:* Affymetrix & Princeton  
*Division:* Affymetrix  
*Agent Name:*  
*Title:* p53-Regulated Genes

*Attorney(s):* SW  
*Division Ref:*  
*Agent Ref:*

3041.2/PCT/ Belgium	EPC	99914184.9 17-Oct-2000	1064404 02-Jan-2001	1064404 16-Jun-2004	Granted 17-Oct-2020
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*Owner Name:* Affymetrix & Princeton  
*Division:* Affymetrix  
*Agent Name:*  
*Title:* p53-Regulated Genes

*Attorney(s):* SW SY  
*Division Ref:*  
*Agent Ref:*

3041.2/PCT/ European Patent Convention	PCT	99914184.9 17-Oct-2000	1064404 02-Jan-2001	1064404 16-Jun-2004	Granted
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*Owner Name:* Affymetrix & Princeton  
*Division:* Affymetrix  
*Agent Name:* Steve Yee  
*Title:* p53-Regulated Genes

*Attorney(s):* SW SY  
*Division Ref:*  
*Agent Ref:* P54901

3041.2/PCT/ France	EPC	99914184.9 17-Oct-2000	1064404 02-Jan-2001	1064404 16-Jun-2004	Granted 17-Oct-2020
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*Owner Name:* Affymetrix & Princeton  
*Division:* Affymetrix  
*Agent Name:*  
*Title:* p53-Regulated Genes

*Attorney(s):* SW SY  
*Division Ref:*  
*Agent Ref:*

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3041.2/PCT/ Germany	EPC	99914184.9 17-Oct-2000	1064404 02-Jan-2001	69918072.4 16-Jun-2004	Granted 17-Oct-2020
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*Owner Name:* Affymetrix & Princeton*Division:* Affymetrix*Agent Name:**Title:* p53-Regulated Genes*Attorney(s):* SW SY*Division Ref:**Agent Ref:*

3041.2/PCT/ Hong Kong	ORD	01103999.4 03-Jul-2001	1038595A 22-Mar-2002	HK1038595 11-Mar-2005	Granted 03-Jul-2021
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*Owner Name:* Affymetrix & Princeton*Division:* Affymetrix*Agent Name:* Uexküll & Stolberg*Title:* p53-Regulated Genes*Attorney(s):* SW SY*Division Ref:**Agent Ref:*

3041.2/PCT/ Ireland	EPC	99914184.9 17-Oct-2000	1064404 02-Jan-2001	1064404 16-Jun-2004	Granted 17-Oct-2020
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*Owner Name:* Affymetrix & Princeton*Division:* Affymetrix*Agent Name:**Title:* p53-Regulated Genes*Attorney(s):* SW SY*Division Ref:**Agent Ref:*

3041.2/PCT/ Switzerland	EPC	99914184.9 17-Oct-2000	1064404 02-Jan-2001	1064404 16-Jun-2004	Granted 17-Oct-2020
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*Owner Name:* Affymetrix & Princeton*Division:* Affymetrix*Agent Name:**Title:* p53-Regulated Genes*Attorney(s):* SW SY*Division Ref:**Agent Ref:*

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3041.2/PCT/ United Kingdom	EPC	99914184.9 17-Oct-2000	1064404 02-Jan-2001	1064404 16-Jun-2004	Granted 17-Oct-2020
		<i>Owner Name:</i> Affymetrix & Princeton <i>Division:</i> Affymetrix <i>Agent Name:</i>			<i>Attorney(s):</i> SW SY <i>Division Ref:</i> <i>Agent Ref:</i>
3041.2A/ United States of America	DIV	09/442,039 17-Nov-1999		6,171,798 09-Jan-2001	Granted
		<i>Owner Name:</i> Affymetrix & Princeton <i>Division:</i> Affymetrix <i>Agent Name:</i> Steve Yee <i>Title:</i> p53-Regulated Genes			<i>Attorney(s):</i> WZ <i>Division Ref:</i> <i>Agent Ref:</i>
3041.3/ United States of America	CIP	09/086,285 29-May-1998		6,303,301 16-Oct-2001	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>			<i>Attorney(s):</i> WZ <i>Division Ref:</i> <i>Agent Ref:</i>
		<i>Title:</i> Expression Monitoring for Gene Function Identification			
3041.3A/ United States of America	CON	09/836,278 18-Apr-2001	0028454 07-Mar-2002	6,733,969 11-May-2004	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>			<i>Attorney(s):</i> WZ <i>Division Ref:</i> <i>Agent Ref:</i>
		<i>Title:</i> Expression Monitoring for Gene Function Identification			

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3041.6/ United States of America	ORD	09/203,677 01-Dec-1998		6,258,536 10-Jul-2001	Granted 01-Dec-2018
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**Owner Name:** Affymetrix & Mass Gen Hospital  
**Division:** Affymetrix  
**Agent Name:**

**Attorney(s):** WZ  
**Division Ref:**  
**Agent Ref:**

**Title:** Expression Monitoring of Downstream Genes in BRCA1 Pathway

3043/ Canada	ORD	2,128,686 22-Jan-1993		2,128,686 05-Jul-2005	Granted 22-Jan-2013
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Michael S. Tuscan

**Attorney(s):** TM MT  
**Division Ref:**  
**Agent Ref:**

**Title:** Use of Multivalent Inorganic Cations in the Electrochemical Treatment of Nucleic Acid cContaining Solutions (Inorganic Promoters)

3043/ European Patent Convention	ORD	93902446.9 22-Jan-1993	0636185 05-Aug-1993	GB 0636185 16-Sep-1998	Granted
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Michael S. Tuscan

**Attorney(s):** TM MT  
**Division Ref:**  
**Agent Ref:**

**Title:** Use of Multivalent Inorganic Cations in the Electrochemical Treatment of Nucleic Acid cContaining Solutions (Inorganic Promoters)

3043/A United Kingdom	EPC	93902446.9 22-Jan-1993		GB 0636185 16-Sep-1998	Granted 22-Jan-2013
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Michael S. Tuscan

**Attorney(s):** TM MT  
**Division Ref:**  
**Agent Ref:**

**Title:** Use of Multivalent Inorganic Cations in the Electrochemical Treatment of Nucleic Acid cContaining Solutions (Inorganic Promoters)

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3043/ United States of America	ORD	08/256,784 18-Nov-1994 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Use of Multivalent Inorganic Cations in the Electrochemical Treatment of Nucleic Acid cContaining Solutions (Inorganic Promoters)		5,607,832 04-Mar-1997 <i>Attorney(s):</i> TM MT <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 18-Nov-2014
3043A/ United States of America	DIV	08/759,646 05-Dec-1996 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Electrochemical Treatment of Nucleic Acid Containing Solutions (Inorganic Promoters)		5,814,450 29-Sep-1998 <i>Attorney(s):</i> TM MT <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3044A/ United States of America	DIV	08/288,231 09-Aug-1994 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Electrochemical Denaturation of Double-Stranded Nucleic Acid (Copyu)		5,527,670 18-Jun-1996 <i>Attorney(s):</i> TM MT <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3044A1/ United States of America	CON	08/617,675 01-Apr-1996 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Electrochemical Denaturation of Double-Stranded Nucleic Acid (Copyu)		5,824,477 20-Oct-1998 <i>Attorney(s):</i> TM MT <i>Division Ref:</i> <i>Agent Ref:</i>	Granted

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3044A2/ United States of America	CON	09/127,115 31-Jul-1998		6,197,508 06-Mar-2001	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>		<i>Attorney(s):</i> TM MT <i>Division Ref:</i> <i>Agent Ref:</i>	
		<i>Title:</i> Electrochemical Denaturation of Double-Stranded Nucleic Acid (Copyu)			

3044A3/ United States of America	CON	09/568,622 10-May-2000		6,395,489 28-May-2002	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan		<i>Attorney(s):</i> TM MT <i>Division Ref:</i> <i>Agent Ref:</i>	
		<i>Title:</i> Electrochemical Denaturation of Double-Stranded Nucleic Acid (Copyu)			

3044A4/ United States of America	CON	09/595,913 20-Jun-2000		6,365,400 02-Apr-2002	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan		<i>Attorney(s):</i> TM MT <i>Division Ref:</i> <i>Agent Ref:</i>	
		<i>Title:</i> Electrochemical Denaturation of Double-Stranded Nucleic Acid (Copyu)			

3044A5/ United States of America	CON	10/122,139 15-Apr-2002		6,613,527 02-Sep-2003	Granted 10-May-2020
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan		<i>Attorney(s):</i> TM MT <i>Division Ref:</i> <i>Agent Ref:</i>	
		<i>Title:</i> Electrochemical Denaturation of Double-Stranded Nucleic Acid (Copyu)			

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3047.1/ Belgium	EPP	98911860.9 19-Mar-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Iterative Resequencing		0972078 01-Jun-2005 <i>Attorney(s):</i> WZ JL <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3047.1/ European Patent Convention	PCT	98911860.9 19-Mar-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Iterative Resequencing	0972078 24-Sep-1998	0972078 01-Jun-2005 <i>Attorney(s):</i> WZ JL <i>Division Ref:</i> <i>Agent Ref:</i> P51840	Granted
3047.1/ France	EPP	98911860.9 19-Mar-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Iterative Resequencing		0972078 01-Jun-2005 <i>Attorney(s):</i> WZ JL <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3047.1/ Germany	EPP	98911860.9 19-Mar-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Iterative Resequencing		0972078 01-Jun-2005 <i>Attorney(s):</i> WZ JL <i>Division Ref:</i> <i>Agent Ref:</i>	Granted



Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3047.1/ Ireland	EPP	98911860.9 19-Mar-1999		0972078 01-Jun-2005	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Townsend and Townsend and Crew <i>Title:</i> Iterative Resequencing			<i>Attorney(s):</i> WZ JL <i>Division Ref:</i> <i>Agent Ref:</i>

3047.1/ Italy	EPP	98911860.9 19-Mar-1999		0972078 01-Jun-2005	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Townsend and Townsend and Crew <i>Title:</i> Iterative Resequencing			<i>Attorney(s):</i> WZ JL <i>Division Ref:</i> <i>Agent Ref:</i>

3047.1/ Netherlands	EPP	98911860.9 19-Mar-1999		0972078 01-Jun-2005	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Iterative Resequencing			<i>Attorney(s):</i> WZ JL <i>Division Ref:</i> <i>Agent Ref:</i>

3047.1/ Switzerland	EPP	98911860.9 19-Mar-1999		0972078 01-Jun-2005	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Iterative Resequencing			<i>Attorney(s):</i> WZ JL <i>Division Ref:</i> <i>Agent Ref:</i>

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3047.1/ United Kingdom	EPP	98911860.9 19-Mar-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Iterative Resequencing		0972078 01-Jun-2005 <i>Attorney(s):</i> WZ JL <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3047.1/ United States of America	PCT	09/381,480 10-Dec-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Iterative Resequencing	0025520 28-Feb-2002	7,144,699 05-Dec-2006 <i>Attorney(s):</i> WZ JL <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 19-Mar-2018
3047.1/EP/ Hong Kong	ORD	00104438.2 18-Jul-2000 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Iterative Resequencing	1025603	1025603 12-Aug-2005 <i>Attorney(s):</i> WZ JL <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 18-Jul-2020
3052.1/ European Patent Convention	ORD	99110362.3 28-May-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Greenblum & Bernstein <i>Title:</i> Methods Involving Direct Write Optical Lithography	0961174 17-Jan-2001	0961174 07-Jan-2007 <i>Attorney(s):</i> TM <i>Division Ref:</i> <i>Agent Ref:</i> P50740	Granted 28-May-2019

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3052.1/ Germany	EPC	99110362.3 28-May-1999		69934631.2 07-Jan-2007	Granted 28-May-2019
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Philip L. McGarrigle <i>Title:</i> Methods Involving Direct Write Optical Lithography					
3052.1/ Japan	ORD	11-152921 31-May-1999		3472723 12-Sep-2003	Granted 31-May-2019
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Greenblum & Bernstein <i>Title:</i> Methods Involving Direct Write Optical Lithography					
3052.1/ United Kingdom	EPC	99110362.3 28-May-1999		0961174 07-Jan-2007	Granted 28-May-2019
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Greenblum & Bernstein <i>Title:</i> Methods Involving Direct Write Optical Lithography					
3052.1/ United States of America	CIP	09/318,775 26-May-1999		6,271,957 07-Aug-2001	Granted
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Greenblum & Bernstein <i>Title:</i> Methods Involving Direct Write Optical Lithography					

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3052.1A/ United States of America	DIV	09/880,058 14-Jun-2001	0028495 11-Oct-2001	6,480,324 12-Nov-2002	Granted 26-May-2019
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**Owner Name:** Affymetrix, Inc.**Division:** Affymetrix**Agent Name:** Greenblum & Bernstein**Title:** Compositions and Methods Involving Direct Write Optical Lithography**Attorney(s):** LK**Division Ref:****Agent Ref:**

3053.1/ United States of America	CIP	09/097,675 16-Jun-1998		6,203,983 20-Mar-2001	Granted
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**Owner Name:** Affymetrix, Inc.**Division:** Affymetrix**Agent Name:** John Iwanicki**Title:** Method for Detecting Chemical Interaction Between Naturally Occurring Biopolymers which are Non-Identical Binding Partners**Attorney(s):** PLM TE**Division Ref:****Agent Ref:**

3053.1B/ United States of America	CON	09/812,706 19-Mar-2001		6,436,647 20-Aug-2002	Granted
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**Owner Name:** Affymetrix, Inc.**Division:** Affymetrix**Agent Name:** John Iwanicki**Title:** Method for detecting chemical interactions between naturally occurring biological analyte molecules that are non-identical binding partners**Attorney(s):** PLM**Division Ref:****Agent Ref:**

3055/ United States of America	ORD	08/980,032 26-Nov-1997		6,013,449 11-Jan-2000	Granted
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**Owner Name:** Affymetrix & NIH**Division:** Affymetrix**Agent Name:****Title:** Probe-Based Analysis of Heterozygous Mutations Using Two-Color Labelling**Attorney(s):** PLM JL**Division Ref:****Agent Ref:**

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status	Expiration Date
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3055A/ United States of America	CON	09/477,871 05-Jan-2000		6,342,355 29-Jan-2002	Granted	
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**Owner Name:** Affymetrix & NIH  
**Division:** Affymetrix  
**Agent Name:** Joe Liebeschuetz

**Attorney(s):** PLM JL  
**Division Ref:**  
**Agent Ref:**

**Title:** Probe-Based Analysis of Heterozygous Mutations Using Two-Color Labeling

3056.1/ United States of America	CIP	09/144,514 31-Aug-1998		6,130,046 10-Oct-2000	Granted	
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix

**Attorney(s):** LK  
**Division Ref:**

**Agent Name:** George Wolken - Michaelson & Wallace

**Agent Ref:**

**Title:** Techniques for Synthesis Integrity Evaluation Utilizing Cycle Fidelity Probes

3057.1/ Belgium	EPC	98310131.2 10-Dec-1998		0923050 01-Dec-2004	Granted	10-Dec-2018
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix

**Attorney(s):** LK  
**Division Ref:**

**Agent Name:** Dan Mao Townsend

**Agent Ref:**

**Title:** Scanned Image Alignment Systems and Methods

3057.1/ European Patent Convention	ORD	98310131.2 10-Dec-1998	0923050 31-Jul-2002	0923050 01-Dec-2004	Granted	10-Dec-2018
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix

**Attorney(s):** LK  
**Division Ref:**

**Agent Name:** Dan Mao Townsend

**Agent Ref:** HL71288

**Title:** Scanned Image Alignment Systems and Methods

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3057.1/ France	EPC	98310131.2 10-Dec-1998		0923050 01-Dec-2004	Granted 10-Dec-2018
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**Owner Name:** Affymetrix, Inc.**Division:** Affymetrix**Agent Name:** Dan Mao Townsend**Title:** Scanned Image Alignment Systems and Methods**Attorney(s):** LK**Division Ref:****Agent Ref:**

3057.1/ Germany	EPC	98310131.2 10-Dec-1998		0923050 01-Dec-2004	Granted 10-Dec-2018
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**Owner Name:** Affymetrix, Inc.**Division:** Affymetrix**Agent Name:** Dan Mao Townsend**Title:** Scanned Image Alignment Systems and Methods**Attorney(s):** LK**Division Ref:****Agent Ref:**

3057.1/ Ireland	EPC	98310131.2 10-Dec-1998		0923050 01-Dec-2004	Granted 10-Dec-2018
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**Owner Name:** Affymetrix, Inc.**Division:** Affymetrix**Agent Name:** Dan Mao Townsend**Title:** Scanned Image Alignment Systems and Methods**Attorney(s):** LK**Division Ref:****Agent Ref:**

3057.1/ Italy	EPC	98310131.2 10-Dec-1998		0923050 01-Dec-2004	Granted 10-Dec-2018
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**Owner Name:** Affymetrix, Inc.**Division:** Affymetrix**Agent Name:** Dan Mao Townsend**Title:** Scanned Image Alignment Systems and Methods**Attorney(s):** LK**Division Ref:****Agent Ref:**

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3057.1/ Netherlands	EPC	98310131.2 10-Dec-1998 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Dan Mao Townsend <i>Title:</i> Scanned Image Alignment Systems and Methods		0923050 01-Dec-2004 <i>Attorney(s):</i> LK <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 10-Dec-2018
3057.1/ Switzerland	EPC	98310131.2 10-Dec-1998 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Dan Mao Townsend <i>Title:</i> Scanned Image Alignment Systems and Methods		0923050 01-Dec-2004 <i>Attorney(s):</i> LK <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 10-Dec-2018
3057.1/ United Kingdom	EPC	98310131.2 10-Dec-1998 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Dan Mao Townsend <i>Title:</i> Scanned Image Alignment Systems and Methods		0923050 01-Dec-2004 <i>Attorney(s):</i> LK <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 10-Dec-2018
3057.1/ United States of America	CIP	08/996,737 23-Dec-1997 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Dan Mao Townsend <i>Title:</i> Scanned Image Alignment Systems and Methods		6,090,555 18-Jul-2000 <i>Attorney(s):</i> LK <i>Division Ref:</i> <i>Agent Ref:</i>	Granted

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3057.1A/ United States of America	CON	09/542,151 04-Apr-2000 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Dan Mao Townsend <i>Title:</i> Scanned Image Alignment Systems and Methods		6,611,767 26-Aug-2003 <i>Attorney(s):</i> WZ DM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3058.1/ United States of America	CIP	09/217,368 21-Dec-1998 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Dan Mao Townsend <i>Title:</i> Products and methods for analyzing nucleic acids including identification of substitutions, insertions and deletions	0049095 06-Dec-2001	6,699,659 02-Mar-2004 <i>Attorney(s):</i> WZ DM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3062.1/ United States of America	CIP	09/099,301 18-Jun-1998 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> <i>Title:</i> Methods and Compositions for Multiplex Amplification of Nucleic Acids		6,333,179 25-Dec-2001 <i>Attorney(s):</i> SW SK <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3062.1A/ United States of America	CON	09/989,441 21-Nov-2001 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> <i>Title:</i> Methods and Compositions for Multiplex Amplification of Nucleic Acids	0058281-A1 16-May-2002	6,673,579 06-Jan-2004 <i>Attorney(s):</i> SW SK <i>Division Ref:</i> <i>Agent Ref:</i>	Granted



Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3062.1B/ United States of America	DIV	10/743,376 23-Dec-2003	0126806 01-Jul-2004	7,053,206 30-May-2006	Granted 03-Sep-2018
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:*

*Attorney(s):* SW SK  
*Division Ref:*  
*Agent Ref:*

*Title:* Methods and Compositions for Multiplex Amplification of Nucleic Acids

3065.1/ European Patent Convention	PCT	98930246.8 11-Jun-1998	1009857 17-Dec-1998	1009857 08-Mar-2006	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Joe Liebeschuetz

*Attorney(s):* WZ JL  
*Division Ref:*  
*Agent Ref:* P52461

*Title:* Use of Polymorphisms to Monitor Allelic Expression Levels

3065.1/ France	EPP	98930246.8 11-Jun-1998	1009857	1009857 08-Mar-2006	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Joe Liebeschuetz

*Attorney(s):* WZ JL  
*Division Ref:*  
*Agent Ref:*

*Title:* Use of Polymorphisms to Monitor Allelic Expression Levels

3065.1/ Germany	EPP	98930246.8 11-Jun-1998	1009857	DE69833758 08-Mar-2006	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Joe Liebeschuetz

*Attorney(s):* WZ JL  
*Division Ref:*  
*Agent Ref:*

*Title:* Use of Polymorphisms to Monitor Allelic Expression Levels

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3065.1/ Italy	EPP	98930246.8 11-Jun-1998 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Use of Polymorphisms to Monitor Allelic Expression Levels	1009857	026408BE 08-Mar-2006 <i>Attorney(s):</i> WZ JL <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 11-Jun-2018
3065.1/ Japan	PCT	11-503331 11-Jun-1998 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Wei Zhou <i>Title:</i> Use of Polymorphisms to Monitor Allelic Expression Levels	2002514091 14-May-2002	3693352 01-Jul-2005 <i>Attorney(s):</i> WZ JL <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 11-Jun-2018
3065.1/ United Kingdom	EPP	98930246.8 11-Jun-1998 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Use of Polymorphisms to Monitor Allelic Expression Levels	1009857	1009857 08-Mar-2006 <i>Attorney(s):</i> WZ JL <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 11-Jun-2018
3065.1/ United States of America	PCT	09/445.734 14-Mar-2000 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Use of Polymorphisms to Monitor Allelic Expression Levels	6,368,799 09-Apr-2002	6,368,799 09-Apr-2002 <i>Attorney(s):</i> WZ JL <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 11-Jun-2018

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3065.1/EP/ Hong Kong	ORD	00107971.8 11-Jun-1998	1028983A 16-Mar-2001	HK1028983 08-Sep-2006	Granted 11-Jun-2018
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Joe Liebeschuetz					
<i>Title:</i> Use of Polymorphisms to Monitor Allelic Expression Levels					
3068.1/ United States of America	CIP	09/122,167 24-Jul-1998		6,229,911 08-May-2001	Granted
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Joe Liebeschuetz					
<i>Title:</i> Method and Apparatus for Providing a Bioinformatics Database					
3068.1/PCT/ Belgium	EPC	98936012.8 17-Feb-2000		1002264 14-Apr-2004	Granted 17-Feb-2020
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Joe Liebeschuetz					
<i>Title:</i> Method and Apparatus for Providing a Bioinformatics Database					
3068.1/PCT/ European Patent Convention	PCT	98936012.8 17-Feb-2000	1002264	1002264 14-Apr-2004	Granted
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Joe Liebeschuetz					
<i>Title:</i> Method and Apparatus for Providing a Bioinformatics Database					

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3068.1/PCT/ France	EPC	98936012.8 17-Feb-2000		1002264 14-Apr-2004	Granted 17-Feb-2020
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz			<i>Attorney(s):</i> LK <i>Division Ref:</i> <i>Agent Ref:</i>
	<i>Title:</i> Method and Apparatus for Providing a Bioinformatics Database				
3068.1/PCT/ Germany	EPC	98936012.8 17-Feb-2000	1002264	69823206.2 14-Apr-2004	Granted 17-Feb-2020
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz			<i>Attorney(s):</i> LK <i>Division Ref:</i> <i>Agent Ref:</i>
	<i>Title:</i> Method and Apparatus for Providing a Bioinformatics Database				
3068.1/PCT/ Ireland	EPC	98936012.8 17-Feb-2000		1002264 14-Apr-2004	Granted 17-Feb-2020
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz			<i>Attorney(s):</i> LK <i>Division Ref:</i> <i>Agent Ref:</i>
	<i>Title:</i> Method and Apparatus for Providing a Bioinformatics Database				
3068.1/PCT/ Italy	EPC	98936012.8 17-Feb-2000		1002264 14-Apr-2004	Granted 17-Feb-2020
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz			<i>Attorney(s):</i> LK <i>Division Ref:</i> <i>Agent Ref:</i>
	<i>Title:</i> Method and Apparatus for Providing a Bioinformatics Database				

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3068.1/PCT/ Netherlands	EPC	98936012.8 17-Feb-2000		1002264 14-Apr-2004	Granted 17-Feb-2020
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Method and Apparatus for Providing a Bioinformatics Database		<i>Attorney(s):</i> LK <i>Division Ref:</i> <i>Agent Ref:</i>	
3068.1/PCT/ Switzerland	EPC	98936012.8 17-Feb-2000		1002264 14-Apr-2004	Granted 17-Feb-2020
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Method and Apparatus for Providing a Bioinformatics Database		<i>Attorney(s):</i> LK <i>Division Ref:</i> <i>Agent Ref:</i>	
3068.1/PCT/ United Kingdom	EPC	98936012.8 17-Feb-2000		1002264 14-Apr-2004	Granted 17-Feb-2020
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Method and Apparatus for Providing a Bioinformatics Database		<i>Attorney(s):</i> LK <i>Division Ref:</i> <i>Agent Ref:</i>	
3068.1A/ United States of America	CON	09/836,867 16-Apr-2001	0012456 31-Jan-2002	6,567,540 20-May-2003	Granted JL
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Method and Apparatus for Providing a Bioinformatics Database		<i>Attorney(s):</i> WZ <i>Division Ref:</i> <i>Agent Ref:</i>	

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3068.1B/ United States of America	CON	10/374,170 25-Feb-2003	0125882-AJ 03-Jul-2003	6,882,742 19-Apr-2005	Granted 16-Apr-2021
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Joe Liebeschuetz  
*Attorney(s):* WZ JL  
*Division Ref:*  
*Agent Ref:*

*Title:* Method and Apparatus for Providing a Bioinformatics Database

3068.1C/ United States of America	CON	11/080,216 14-Mar-2005	0157915 21-Jul-2005	7,215,804 08-May-2007	Granted 16-Apr-2021
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Joe Liebeschuetz  
*Attorney(s):* WZ JL  
*Division Ref:*  
*Agent Ref:*

*Title:* Method and Apparatus for Providing a Bioinformatics Database

3068.2/ United States of America	CIP	09/122,169 24-Jul-1998		6,484,183 19-Nov-2002	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Joe Liebeschuetz  
*Attorney(s):* WZ JL  
*Division Ref:*  
*Agent Ref:*

*Title:* Method and System for Providing a Polymorphism Database

3068.3/ United States of America	CIP	09/122,304 24-Jul-1998		6,188,783 13-Feb-2001	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Joe Liebeschuetz  
*Attorney(s):* WZ JL  
*Division Ref:*  
*Agent Ref:*

*Title:* Method and system for providing a probe array chip design database

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3068.3A/ United States of America	CON	09/737,838 14-Dec-2000 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Method and System for Providing a Probe Array Chip Design Database	0018642 30-Aug-2001	6,826,296 30-Nov-2004 <i>Attorney(s):</i> WZ JL <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3068.3C/ United States of America	CON	10/925,393 24-Aug-2004 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Method and System for Providing a Probe Array Chip Design Database	0026203 03-Feb-2005	7,068,850 27-Jun-2006 <i>Attorney(s):</i> WZ JL <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 14-Dec-2020
3068.5/ United States of America	CIP	09/354,935 15-Jul-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Method and Apparatus for Providing an Expression Data Mining Database		6,185,561 06-Feb-2001 <i>Attorney(s):</i> WZ JL <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3068.5A/ United States of America	CON	09/705,335 02-Nov-2000 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Wei Zhou <i>Title:</i> Method and Apparatus for Providing an Expression Data Mining Database		6,687,692 03-Feb-2004 <i>Attorney(s):</i> WZ JL <i>Division Ref:</i> <i>Agent Ref:</i>	Granted

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3069.2/ United States of America	CIP	09/013.596 26-Jan-1998 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael Verga <i>Title:</i> Apparatus and Methods for Detecting Samples Labeled with Material Having Strong Light Scattering Properties		6,294,327 25-Sep-2001 <i>Attorney(s):</i> BMC MV <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3069.2/PCT/ European Patent Convention	PCT	98946865.7 08-Sep-1998 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael Verga <i>Title:</i> Apparatus and Methods for Detecting Samples Labeled with Material Having Strong Light Scattering Properties	1012575 18-Mar-1999	1012575 19-Nov-2003 <i>Attorney(s):</i> PLM MV LB <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3069.2/PCT/ Germany	EPC	98946865.7 08-Sep-1998 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael Verga <i>Title:</i> Apparatus and Methods for Detecting Samples Labeled with Material Having Strong Light Scattering Properties		69819916 19-Nov-2003 <i>Attorney(s):</i> PLM MV LB <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 08-Sep-2018
3069.2/PCT/ Ireland	EPC	98946865.7 08-Sep-1998 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael Verga <i>Title:</i> Apparatus and Methods for Detecting Samples Labeled with Material Having Strong Light Scattering Properties		1012575 19-Nov-2003 <i>Attorney(s):</i> PLM MV LB <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 08-Sep-2018



Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3069.2/PCT/ Japan	PCT	2000-511053 08-Mar-2000		4150499 04-Jul-2008	Granted 08-Sep-2018
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Aoyama & Partners					
<i>Title:</i> Apparatus and Methods for Detecting Samples Labeled with Material Having Strong Light Scattering Properties.					

3069.2/PCT/ Switzerland	EPC	98946865.7 08-Sep-1998		1012575 19-Nov-2003	Granted 08-Sep-2018
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Michael Verga					
<i>Title:</i> Apparatus and Methods for Detecting Samples Labeled with Material Having Strong Light Scattering Properties					

3069.2/PCT/ United Kingdom	EPC	98946865.7 08-Sep-1998		1012575 19-Nov-2003	Granted 08-Sep-2018
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Michael Verga					
<i>Title:</i> Apparatus and Methods for Detecting Samples Labeled with Material Having Strong Light Scattering Properties					

3070.1/ United States of America	CIP	09/504,232 03-May-1999		6,525,185 25-Feb-2003	Granted
<i>Owner Name:</i> Affymetrix & Case Western Univ					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Joe Liebeschuetz					
<i>Title:</i> Polymorphisms Associated with Hypertension					

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status	Expiration Date
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3072.1/ United States of America	CIP	09/134,758 14-Aug-1998		6,223,127 24-Apr-2001	Granted	
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*Owner Name:* Affymetrix, Inc.

*Division:* Affymetrix

*Agent Name:* Dan Mao Townsend

*Title:* Polymorphism Detection Utilizing Clustering Analysis

*Attorney(s):* WZ DM

*Division Ref:*

*Agent Ref:*

3072.1/PCT/ Belgium	EPP	98944444.3 14-Aug-1998		1019536 20-Oct-2004	Granted	
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*Owner Name:* Affymetrix, Inc.

*Division:* Affymetrix

*Agent Name:* Dan Mao Townsend

*Title:* Methods for Detecting Polymorphisms in Complex Samples

*Attorney(s):* LK

*Division Ref:*

*Agent Ref:*

3072.1/PCT/ European Patent Convention	PCT	98944444.3 14-Aug-1998	1019536 25-Feb-1999	1019536 20-Oct-2004	Granted	
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*Owner Name:* Affymetrix, Inc.

*Division:* Affymetrix

*Agent Name:* Dan Mao Townsend

*Title:* Methods for Detecting Polymorphisms in Complex Samples

*Attorney(s):* LK

*Division Ref:*

*Agent Ref:* HL74341

3072.1/PCT/ France	EPP	98944444.3 14-Aug-1998		1019536 20-Oct-2004	Granted	
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*Owner Name:* Affymetrix, Inc.

*Division:* Affymetrix

*Agent Name:* Dan Mao Townsend

*Title:* Methods for Detecting Polymorphisms in Complex Samples

*Attorney(s):* LK

*Division Ref:*

*Agent Ref:*

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3072.1/PCT/ Germany	EPP	98944444.3 14-Aug-1998		1019536 20-Oct-2004	Granted
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Dan Mao Townsend*Title:* Methods for Detecting Polymorphisms in Complex Samples*Attorney(s):* LK*Division Ref:**Agent Ref:*

3072.1/PCT/ Ireland	EPP	98944444.3 14-Aug-1998		1019536 20-Oct-2004	Granted
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Dan Mao Townsend*Title:* Methods for Detecting Polymorphisms in Complex Samples*Attorney(s):* LK*Division Ref:**Agent Ref:*

3072.1/PCT/ Italy	EPP	98944444.3 14-Aug-1998		1019536 20-Oct-2004	Granted
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Dan Mao Townsend*Title:* Methods for Detecting Polymorphisms in Complex Samples*Attorney(s):* LK*Division Ref:**Agent Ref:*

3072.1/PCT/ Netherlands	EPP	98944444.3 14-Aug-1998		1019536 20-Oct-2004	Granted
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Dan Mao Townsend*Title:* Methods for Detecting Polymorphisms in Complex Samples*Attorney(s):* LK*Division Ref:**Agent Ref:*

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3072.1/PCT/ Switzerland	EPP	98944444.3 14-Aug-1998		1019536 20-Oct-2004	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Dan Mao Townsend

*Title:* Methods for Detecting Polymorphisms in Complex Samples

*Attorney(s):* LK  
*Division Ref:*  
*Agent Ref:*

3072.1/PCT/ United Kingdom	EPP	98944444.3 14-Aug-1998		1019536 20-Oct-2004	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Dan Mao Townsend

*Title:* Methods for Detecting Polymorphisms in Complex Samples

*Attorney(s):* LK  
*Division Ref:*  
*Agent Ref:*

3072.1A/ United States of America	CON	09/764,337 16-Jan-2001	0041965 15-Nov-2001	6,584,410 24-Jun-2003	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Dan Mao Townsend

*Title:* Polymorphism Detection Utilizing Clustering Analysis

*Attorney(s):* WZ DM  
*Division Ref:*  
*Agent Ref:*

3073/ United States of America	ORD	09/019,881 06-Feb-1998		6,150,147 21-Nov-2000	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Tom Malone

*Title:* Array Fabrication Methods

*Attorney(s):* TM  
*Division Ref:*  
*Agent Ref:*

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3073.1/PCT/ Japan	PCT	2000-530533 04-Aug-2000	527717 27-Aug-2002	3495702 21-Nov-2003	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Lisa Treannie  
*Title:* Array Fabrication Methods

*Attorney(s):* TM LT  
*Division Ref:*  
*Agent Ref:*

3075/ European Patent Convention	PCT	95910680.8 14-Mar-1995	0750680 21-Sep-1995	EP 0750689 13-Jan-1999	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:*

*Attorney(s):* TM MT  
*Division Ref:*  
*Agent Ref:*

*Title:* Electrochemical Denaturation of Double Stranded Nucleic Acid (Fast Copyu)

3075/ United States of America	ORD	08/704,657 13-Sep-1996		6,033,850 07-Mar-2000	Granted 13-Sep-2016
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Michael S. Tuscan

*Attorney(s):* TM MT  
*Division Ref:*  
*Agent Ref:*

*Title:* Electrochemical Denaturation of Double Stranded Nucleic Acid (Fast Copyu)

3075/EP/ France	EPC	95910680.8 14-Mar-1995		FR 0750680 13-Jan-1999	Granted 14-Mar-2015
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:*

*Attorney(s):* TM MT  
*Division Ref:*  
*Agent Ref:*

*Title:* Electrochemical Denaturation of Double Stranded Nucleic Acid (Fast Copyu)

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3075/EP/ Germany	EPC	95910680.8 14-Mar-1995		DE 0750680 13-Jan-1999	Granted 14-Mar-2015
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i>					
<i>Title:</i> Electrochemical Denaturation of Double Stranded Nucleic Acid (Fast Copyu)					
3075/EP/ United Kingdom	EPC	95910680.8 14-Mar-1995		GB 0750680 13-Jan-1999	Granted 14-Mar-2015
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i>					
<i>Title:</i> Electrochemical Denaturation of Double Stranded Nucleic Acid (Fast Copyu)					
3075A/ United States of America	CON	09/519,149 06-Mar-2000		6,291,185 18-Sep-2001	Granted
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Michael S. Tuscan					
<i>Title:</i> Electrochemical Denaturation of Double Stranded Nucleic Acid (Fast Copyu)					
3077.1/ United States of America	CIP	09/245,329 05-Feb-1999		6,309,831 30-Oct-2001	Granted
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Tom Malone					
<i>Title:</i> Method of Quality Control in Manufacturing Process					

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3078.2/PCT/ Belgium	EPP	98948136.1 08-Sep-1998 Affymetrix, Inc. Division: Affymetrix Agent Name: Dan Mao Townsend Title: Techniques for Identifying, Confirming, Mapping, and Categorizing Polymers	EP1019538 25-Mar-1999	1019538 23-Mar-2005 Attorney(s): WZ DM Division Ref: Agent Ref:	Granted
3078.2/PCT/ European Patent Convention	PCT	98948136.1 08-Sep-1998 Affymetrix, Inc. Division: Affymetrix Agent Name: Dan Mao Townsend Title: Techniques for Identifying, Confirming, Mapping, and Categorizing Polymers	EP1019538 25-Mar-1999	1019538 23-Mar-2005 Attorney(s): WZ DM Division Ref: Agent Ref: HL74726	Granted
3078.2/PCT/ France	EPP	98948136.1 08-Sep-1998 Affymetrix, Inc. Division: Affymetrix Agent Name: Dan Mao Townsend Title: Techniques for Identifying, Confirming, Mapping, and Categorizing Polymers	EP1019538 25-Mar-1999	1019538 23-Mar-2005 Attorney(s): WZ DM Division Ref: Agent Ref:	Granted
3078.2/PCT/ Germany	EPP	98948136.1 08-Sep-1998 Affymetrix, Inc. Division: Affymetrix Agent Name: Dan Mao Townsend Title: Techniques for Identifying, Confirming, Mapping, and Categorizing Polymers	EP1019538 25-Mar-1999	69829493.9 23-Mar-2005 Attorney(s): WZ DM Division Ref: Agent Ref:	Granted

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3078.2/PCT/ Ireland	EPP	98948136.1 08-Sep-1998 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Dan Mao Townsend <i>Title:</i> Techniques for Identifying, Confirming, Mapping, and Categorizing Polymers	EP1019538 25-Mar-1999	1019538 23-Mar-2005 <i>Attorney(s):</i> WZ <i>Division Ref:</i> <i>Agent Ref:</i>	Granted DM
3078.2/PCT/ Italy	EPP	98948136.1 08-Sep-1998 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Dan Mao Townsend <i>Title:</i> Techniques for Identifying, Confirming, Mapping, and Categorizing Polymers	EP1019538 25-Mar-1999	1019538 23-Mar-2005 <i>Attorney(s):</i> WZ <i>Division Ref:</i> <i>Agent Ref:</i>	Granted DM
3078.2/PCT/ Netherlands	EPP	98948136.1 08-Sep-1998 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Dan Mao Townsend <i>Title:</i> Techniques for Identifying, Confirming, Mapping, and Categorizing Polymers	EP1019538 25-Mar-1999	1019538 23-Mar-2005 <i>Attorney(s):</i> WZ <i>Division Ref:</i> <i>Agent Ref:</i>	Granted DM
3078.2/PCT/ Switzerland	EPP	98948136.1 08-Sep-1998 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Dan Mao Townsend <i>Title:</i> Techniques for Identifying, Confirming, Mapping, and Categorizing Polymers	EP1019538 25-Mar-1999	1019538 23-Mar-2005 <i>Attorney(s):</i> WZ <i>Division Ref:</i> <i>Agent Ref:</i>	Granted DM



Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3078.2/PCT/ United Kingdom	EPP	98948136.1 08-Sep-1998 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Dan Mao Townsend <i>Title:</i> Techniques for Identifying, Confirming, Mapping, and Categorizing Polymers	EP1019538 25-Mar-1999	1019538 23-Mar-2005 <i>Attorney(s):</i> WZ DM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3078.3/ United States of America	CIP	09/229,060 11-Jan-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Dan Mao Townsend <i>Title:</i> Techniques for Identifying, Confirming, Mapping, and Categorizing Polymers		7,099,777 29-Aug-2006 <i>Attorney(s):</i> WZ DM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3078.3A/ United States of America	CON	11/483,266 07-Jul-2006 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Techniques for Identifying, Confirming, Mapping, and Categorizing Polymers	0043517 22-Feb-2007	8,204,695 19-Jun-2012 <i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 11-Jan-2021
3078.3B/ United States of America	CON	13/475,051 18-May-2012 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Techniques for Identifying, Confirming, Mapping, and Categorizing Polymers			Pending

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3079/ United States of America	ORD	09/020,743 09-Feb-1998 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Computer-aided display for comparative gene expression	0015948 07-Feb-2002	6,420,108 16-Jul-2002 <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 09-Feb-2018
3079B/ United States of America	DIV	11/489,292 18-Jul-2006 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Siepmann <i>Title:</i> Computer-Aided Visualization of Expression Comparison	0067111 22-Mar-2007		Published
3083.1A/ United States of America	CON	09/950,024 12-Sep-2001 <i>Owner Name:</i> Affymetrix & Princeton <i>Division:</i> Affymetrix <i>Agent Name:</i> Banner & Witcoff Ltd. <i>Title:</i> Expression Monitoring for Human Cytomegalovirus (HCMV) Infection	0014027 22-Jan-2004	6,936,416 30-Aug-2005 <i>Attorney(s):</i> WZ SK <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3087/ United States of America	ORD	09/172,190 13-Oct-1998 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Functionalized Silicon Compounds and Methods for Their Synthesis and Use		6,262,216 17-Jul-2001 <i>Attorney(s):</i> TM MT <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 13-Oct-2018

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3087.1/ United States of America	CIP	09/418,044 13-Oct-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Functionalized Silicon Compounds and Methods for Their Synthesis and Use		6,486,286 26-Nov-2002 <i>Attorney(s):</i> TM MT <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3087.1A/ United States of America	DIV	09/832,656 11-Apr-2001 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Functionalized Silicon Compounds and Methods for Their Synthesis and Use	0021506 13-Sep-2001	6,429,275 06-Aug-2002 <i>Attorney(s):</i> TM MT <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3087.1B/ United States of America	DIV	09/832,489 11-Apr-2001 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Functionalized Silicon Compounds and Methods for Their Synthesis and Use	0014453-A1 16-Aug-2001	6,486,287 26-Nov-2002 <i>Attorney(s):</i> TM MT <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3087.1C/ United States of America	DIV	09/832,490 11-Apr-2001 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Functionalized Silicon Compounds and Methods for Their Synthesis and Use	0027187 04-Oct-2001	6,410,675 25-Jun-2002 <i>Attorney(s):</i> TM MT <i>Division Ref:</i> <i>Agent Ref:</i>	Granted

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3087.1D/ United States of America	DIV	10/282,979 29-Oct-2002 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan	0077650-A1 24-Apr-2003 <i>Title:</i> Functionalized Silicon Compounds and Methods for Their Synthesis and Use	6,743,882 01-Jun-2004 <i>Attorney(s):</i> TM MT <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 13-Oct-2019
3087.1E/ United States of America	DIV	10/853,378 25-May-2004 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan	0215031 28-Oct-2004 <i>Title:</i> Functionalized Silicon Compounds and Methods for Their Synthesis and Use	7,129,307 31-Oct-2006 <i>Attorney(s):</i> TM MI <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 13-Oct-2019
3087.1F/ United States of America	DIV	10/857,329 28-May-2004 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan	0123775 09-Jun-2005 <i>Title:</i> Functionalized Silicon Compounds and Methods for Their Synthesis and Use	7,125,947 24-Oct-2006 <i>Attorney(s):</i> TM MT <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 13-Oct-2019
3087.1G/ United States of America	DIV	10/857,283 28-May-2004 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan	0214819 28-Oct-2004 <i>Title:</i> Functionalized Silicon Compounds and Methods for Their Synthesis and Use	7,098,286 29-Aug-2006 <i>Attorney(s):</i> TM MT <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 20-Oct-2019

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3087.1H/ United States of America	CON	10/857,247 28-May-2004 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Functionalized Silicon Compounds and Methods for Their Synthesis and Use	0253460 16-Dec-2004	7,129,308 31-Oct-2006 <i>Attorney(s):</i> TM MT <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 31-Jan-2020
3088.1/ Belgium	EPC	99250336.7 22-Sep-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Methods and Compositions for Amplifying Detectable Signals In Specific Binding Assays		0999285 07-Dec-2005 <i>Attorney(s):</i> SW MT <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 22-Sep-2019
3088.1/ European Patent Convention	ORD	99250336.7 22-Sep-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Methods and Compositions for Amplifying Detectable Signals In Specific Binding Assays	0999285 10-May-2000	0999285 07-Dec-2005 <i>Attorney(s):</i> SW MT <i>Division Ref:</i> <i>Agent Ref:</i> P51736	Granted 22-Sep-2019
3088.1/ France	EPC	99250336.7 22-Sep-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Methods and Compositions for Amplifying Detectable Signals In Specific Binding Assays		0999285 07-Dec-2005 <i>Attorney(s):</i> SW MT <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 22-Sep-2019

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3088.1/ Germany	EPC	99250336.7 22-Sep-1999		69928747 07-Dec-2005	Granted 22-Sep-2019
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan		<i>Attorney(s):</i> SW MT <i>Division Ref:</i> <i>Agent Ref:</i>	
		<i>Title:</i> Methods and Compositions for Amplifying Detectable Signals In Specific Binding Assays			
3088.1/ Ireland	EPC	99250336.7 22-Sep-1999		0999285 07-Dec-2005	Granted 22-Sep-2019
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan		<i>Attorney(s):</i> SW MT <i>Division Ref:</i> <i>Agent Ref:</i>	
		<i>Title:</i> Methods and Compositions for Amplifying Detectable Signals In Specific Binding Assays			
3088.1/ Italy	EPC	99250336.7 22-Sep-1999		0999285 07-Dec-2005	Granted 22-Sep-2019
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan		<i>Attorney(s):</i> SW MT <i>Division Ref:</i> <i>Agent Ref:</i>	
		<i>Title:</i> Methods and Compositions for Amplifying Detectable Signals In Specific Binding Assays			
3088.1/ Netherlands	EPC	99250336.7 22-Sep-1999		0999285 07-Dec-2005	Granted 22-Sep-2019
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan		<i>Attorney(s):</i> SW MT <i>Division Ref:</i> <i>Agent Ref:</i>	
		<i>Title:</i> Methods and Compositions for Amplifying Detectable Signals In Specific Binding Assays			

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3088.1/ Switzerland	EPC	99250336.7 22-Sep-1999		0999285 07-Dec-2005	Granted 22-Sep-2019
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Methods and Compositions for Amplifying Detectable Signals In Specific Binding Assays		<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>	MT
3088.1/ United Kingdom	EPC	99250336.7 22-Sep-1999		0999285 07-Dec-2005	Granted 22-Sep-2019
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Methods and Compositions for Amplifying Detectable Signals In Specific Binding Assays		<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>	MT
3088.1/ United States of America	CIP	09/276,774 25-Mar-1999		6,203,989 20-Mar-2001	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Methods and Compositions for Amplifying Detectable Signals In Specific Binding Assays		<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>	MT
3088.1/EP/ Hong Kong	ORD	00107012.9 03-Nov-2000		1027838 24-Feb-2006	Granted 03-Nov-2020
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Methods and Compositions for Amplifying Detectable Signals In Specific Binding Assays		<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>	MT

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3088.1A/ United States of America	CON	09/776,770 06-Feb-2001	0041335 15-Nov-2001	6,806,047 19-Oct-2004	Granted
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Michael S. Tuscan  
**Attorney(s):** SW MT  
**Division Ref:**  
**Agent Ref:**  
**Title:** Methods and Compositions for Amplifying Detectable Signals In Specific Binding Assays

3101.1/ United States of America	ORD	09/396,196 15-Sep-1999		6,821,724 23-Nov-2004	Granted 15-Sep-2019
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Sandra Wells  
**Attorney(s):** SW  
**Division Ref:**  
**Agent Ref:**  
**Title:** Method of Genetic Analysis Using Nucleic Acid Arrays

3108.1/ United States of America	CIP	09/827,383 04-Apr-2001		7,157,564 02-Jan-2007	Granted
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Sandra Wells  
**Attorney(s):** SW  
**Division Ref:**  
**Agent Ref:**  
**Title:** Tag Nucleic Acids and Probe Arrays

3204B/ United States of America	CON	08/328,079 24-Oct-1994		5,556,961 17-Sep-1996	Granted
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:**  
**Attorney(s):** PLM  
**Division Ref:**  
**Agent Ref:**  
**Title:** Nucleoside with 5'-O-Photolabile Protecting Groups



Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3207.1/ United States of America	CIP	09/535,142 24-Mar-2000 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitkovsky <i>Title:</i> Electronic Detection of Hybridization on Nucleic Acid Arrays		6,403,317 11-Jun-2002 <i>Attorney(s):</i> BMC IZ <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3208/ United States of America	ORD	09/285,658 05-Apr-1999 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Proportional Amplification of Nucleic Acids		6,582,906 24-Jun-2003 <i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 05-Apr-2019
3212.1/ United States of America	CIP	09/668,118 22-Sep-2000 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Bill McCarthy <i>Title:</i> System, Method and Product for Development and Maintenance of Database-Related Software Applications		6,694,321 17-Feb-2004 <i>Attorney(s):</i> BMC WZ <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3213/ United States of America	CON	26/096,089 04-Nov-1998 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Darin J. Gibby <i>Title:</i> Chip Packaging Device		D430024 29-Aug-2000 <i>Attorney(s):</i> PLM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3214.1/ United States of America	CIP	09/603,999 26-Jun-2000		6,638,719 28-Oct-2003	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* John Iwanicki  
*Title:* Genotyping Biallelic Markers

*Attorney(s):* SW SK  
*Division Ref:*  
*Agent Ref:*

3216/ United States of America	ORD	09/294,293 19-Apr-1999		6,171,793 09-Jan-2001	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Michael Verga  
*Title:* Method for Scanning Gene Probe Array to Produce Data having Dynamic Range that Exceeds that of a Scanner

*Attorney(s):* BMC MV LB  
*Division Ref:*  
*Agent Ref:*

3218.2/ United States of America	CIP	09/428,350 27-Oct-1999		6,361,947 26-Mar-2002	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Wei Zhou  
*Title:* Complexity Management and Analysis of Genomic Data

*Attorney(s):* SW JL  
*Division Ref:*  
*Agent Ref:*

3218.2/PCT/ Belgium	EPP	99965737.2 27-Oct-1999		1124990 18-Jan-2006	Granted 27-Oct-2018
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Joe Liebeschuetz  
*Title:* Complexity Management and Analysis of Genomic Data

*Attorney(s):* SW JL  
*Division Ref:*  
*Agent Ref:*

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3218.2/PCT/ European Patent Convention	PCT	99965737.2 27-Oct-1999	1124990 04-May-2000	1124990 18-Jan-2006	Granted 27-Oct-2018
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Sandra Wells*Title:* Complexity Management and Analysis of Genomic Data*Attorney(s):* SW JL*Division Ref:**Agent Ref:* P570623218.2/PCT/  
France

EPP	99965737.2 27-Oct-1999	1124990 18-Jan-2006	1124990 18-Jan-2006	Granted 27-Oct-2018
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Joe Liebeschuetz*Title:* Complexity Management and Analysis of Genomic Data*Attorney(s):* SW JL*Division Ref:**Agent Ref:*3218.2/PCT/  
Germany

EPP	99965737.2 27-Oct-1999	1124990 18-Jan-2006	1124990 18-Jan-2006	Granted 27-Oct-2018
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Joe Liebeschuetz*Title:* Complexity Management and Analysis of Genomic Data*Attorney(s):* SW JL*Division Ref:**Agent Ref:*3218.2/PCT/  
Ireland

EPP	99965737.2 27-Oct-1999	1124990 18-Jan-2006	1124990 18-Jan-2006	Granted 27-Oct-2018
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Joe Liebeschuetz*Title:* Complexity Management and Analysis of Genomic Data*Attorney(s):* SW JL*Division Ref:**Agent Ref:*

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status	Expiration Date
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3218.2/PCT/ Italy	EPP	99965737.2 27-Oct-1999		1124990 18-Jan-2006	Granted	27-Oct-2018
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Joe Liebeschuetz*Title:* Complexity Management and Analysis of Genomic Data*Attorney(s):* SW JL*Division Ref:**Agent Ref:*

3218.2/PCT/ Netherlands	EPP	99965737.2 27-Oct-1999		1124990 18-Jan-2006	Granted	27-Oct-2018
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Joe Liebeschuetz*Title:* Complexity Management and Analysis of Genomic Data*Attorney(s):* SW JL*Division Ref:**Agent Ref:*

3218.2/PCT/ Switzerland	EPP	99965737.2 27-Oct-1999		1124990 18-Jan-2006	Granted	27-Oct-2018
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Joe Liebeschuetz*Title:* Complexity Management and Analysis of Genomic Data*Attorney(s):* SW JL*Division Ref:**Agent Ref:*

3218.2/PCT/ United Kingdom	EPP	99965737.2 27-Oct-1999		1124990 18-Jan-2006	Granted	27-Oct-2018
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Joe Liebeschuetz*Title:* Complexity Management and Analysis of Genomic Data*Attorney(s):* SW JL*Division Ref:**Agent Ref:*

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3218.2A/ United States of America	CON	09/904,039 12-Jul-2001	0142314-A1 03-Oct-2002	7,267,966 11-Sep-2007	Granted 27-Oct-2018
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Sandra Wells  
*Title:* COMPLEXITY MANAGEMENT AND ANALYSIS OF GENOMIC DNA  
*Attorney(s):* SW  
*Division Ref:*  
*Agent Ref:*

3219/ United States of America	ORD	09/238,131 27-Jan-1999		6,270,644 07-Aug-2001	Granted 27-Jan-2019
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Michael Verga  
*Title:* Capillary array electrophoresis scanner  
*Attorney(s):* LK  
*Division Ref:*  
*Agent Ref:*

oresis Scanner

3219.1/ United States of America	CIP	09/579,076 25-May-2000		6,554,986 29-Apr-2003	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Michael Verga  
*Title:* Capillary Array Electrophoresis Scanner  
*Attorney(s):* BMC MV  
*Division Ref:*  
*Agent Ref:*

3219.1A/ United States of America	CON	10/285,290 31-Oct-2002	0150727 14-Aug-2003	7,090,758 15-Aug-2006	Granted 26-Oct-2021
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Michael Verga  
*Title:* Monster Capillary Electrophoresis Scanner  
*Attorney(s):* BMC MV  
*Division Ref:*  
*Agent Ref:*

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3220/ United States of America	ORD	09/221,436 28-Dec-1998		6,261,431 17-Jul-2001	Granted 28-Dec-2018
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Michael Verga

*Attorney(s):* LK  
*Division Ref:*  
*Agent Ref:*

*Title:* Process for Fabrication of an Integrated PCR-CE Device and Products Produced by the Same

3221.1/ United States of America	CIP	09/383,986 26-Aug-1999		6,545,264 08-Apr-2003	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:*

*Attorney(s):* BMC PB  
*Division Ref:*  
*Agent Ref:*

*Title:* Systems and Methods for High Performance Scanning

3221.1A/ Australia	PCT	20501/00 10-Dec-1999		773664 16-Sep-2004	Granted 10-Dec-2019
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:*

*Attorney(s):* LK  
*Division Ref:*  
*Agent Ref:* 3848.00106

*Title:* High Performance Scanner for DNA Arrays

3223/ Belgium	EPP	98913960.5 02-Apr-1998		0973885 03-Nov-2004	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Beck Greener

*Attorney(s):* LK  
*Division Ref:*  
*Agent Ref:*

*Title:* Disassociation of Interacting Molecules (CHES)

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3223/ European Patent Convention	PCT	98913960.5 02-Apr-1998 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Beck Greener <i>Title:</i> Disassociation of Interacting Molecules (CHES)	0973885 08-Oct-1998	0973885 03-Nov-2004 <i>Attorney(s):</i> LK <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3223/ France	EPP	98913960.5 02-Apr-1998 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Beck Greener <i>Title:</i> Disassociation of Interacting Molecules (CHES)	0973885 03-Nov-2004 <i>Attorney(s):</i> LK <i>Division Ref:</i> <i>Agent Ref:</i>	0973885 03-Nov-2004 <i>Attorney(s):</i> LK <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3223/ Germany	EPP	98913960.5 02-Apr-1998 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Beck Greener <i>Title:</i> Disassociation of Interacting Molecules (CHES)	0973885 03-Nov-2004 <i>Attorney(s):</i> LK <i>Division Ref:</i> <i>Agent Ref:</i>	0973885 03-Nov-2004 <i>Attorney(s):</i> LK <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3223/ Ireland	EPP	98913960.5 02-Apr-1998 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Beck Greener <i>Title:</i> Disassociation of Interacting Molecules (CHES)	0973885 03-Nov-2004 <i>Attorney(s):</i> LK <i>Division Ref:</i> <i>Agent Ref:</i>	0973885 03-Nov-2004 <i>Attorney(s):</i> LK <i>Division Ref:</i> <i>Agent Ref:</i>	Granted

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3223/ Italy	EPP	98913960.5 02-Apr-1998		0973885 03-Nov-2004	Granted
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Beck Greener					
<i>Title:</i> Disassociation of Interacting Molecules (CHES)					
3223/ Japan	PCT	541315/1998 02-Apr-1998		7004548 31-Aug-2007	Granted 02-Apr-2018
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i>					
<i>Title:</i> Disassociation of Interacting Molecules (CHES)					
3223/ Netherlands	EPP	98913960.5 02-Apr-1998		0973885 03-Nov-2004	Granted
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Beck Greener					
<i>Title:</i> Disassociation of Interacting Molecules (CHES)					
3223/ Singapore	PCT	9904702-9 02-Apr-1998		68212 24-Oct-2000	Granted
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Beck Greener					
<i>Title:</i> Disassociation of Interacting Molecules (CHES)					



Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3223/ Switzerland	EPP	98913960.5 02-Apr-1998		0973885 03-Nov-2004	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Beck Greener <i>Title:</i> Disassociation of Interacting Molecules (CHES)		<i>Attorney(s):</i> LK <i>Division Ref:</i> <i>Agent Ref:</i>	
3223/ United Kingdom	EPP	98913960.5 02-Apr-1998		0973885 03-Nov-2004	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> <i>Title:</i> Disassociation of Interacting Molecules (CHES)		<i>Attorney(s):</i> LK <i>Division Ref:</i> <i>Agent Ref:</i>	
3223/ United States of America	PCT	09/381,896 30-Sep-1999		6,333,157 25-Dec-2001	Granted 02-Apr-2018
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitkovsky <i>Title:</i> Disassociation of Interacting Molecules (CHES)		<i>Attorney(s):</i> LK <i>Division Ref:</i> <i>Agent Ref:</i>	
3223/EP/ Hong Kong	ORD	00104385.5 18-Jul-2000		1025129 18-Mar-2005	Granted 18-Jul-2020
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Beck Greener <i>Title:</i> Disassociation of Interacting Molecules (CHES)		<i>Attorney(s):</i> TM LK <i>Division Ref:</i> <i>Agent Ref:</i>	

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3224/ Belgium	EPP	97919556.7 25-Apr-1997 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Nucleic Acid Pick-Up	0904364 06-Nov-1997	0904364 20-Jul-2005 <i>Attorney(s):</i> TM LK <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3224/ European Patent Convention	PCT	97919556.7 25-Apr-1997 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Beck Greener <i>Title:</i> Nucleic Acid Pick-Up	0904364 06-Nov-1997	0904364 20-Jul-2005 <i>Attorney(s):</i> TM LK <i>Division Ref:</i> <i>Agent Ref:</i> P5072EP-WO	Granted
3224/ France	EPP	97919556.7 25-Apr-1997 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Beck Greener <i>Title:</i> Nucleic Acid Pick-Up	0904364 06-Nov-1997	0904364 20-Jul-2005 <i>Attorney(s):</i> TM LK <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3224/ Germany	EPP	97919556.7 25-Apr-1997 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Beck Greener <i>Title:</i> Nucleic Acid Pick-Up	0904364 06-Nov-1997	0904364 20-Jul-2005 <i>Attorney(s):</i> TM LK <i>Division Ref:</i> <i>Agent Ref:</i>	Granted

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status	Expiration Date
3224/ Ireland	EPP	97919556.7 25-Apr-1997 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Beck Greener <i>Title:</i> Nucleic Acid Pick-Up		0904364 20-Jul-2005 <i>Attorney(s):</i> TM LK <i>Division Ref:</i> <i>Agent Ref:</i>	Granted	
3224/ Italy	EPP	97919556.7 25-Apr-1997 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Beck Greener <i>Title:</i> Nucleic Acid Pick-Up		0904364 20-Jul-2005 <i>Attorney(s):</i> TM LK <i>Division Ref:</i> <i>Agent Ref:</i>	Granted	
3224/ Netherlands	EPP	97919556.7 25-Apr-1997 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Beck Greener <i>Title:</i> Nucleic Acid Pick-Up		0904364 20-Jul-2005 <i>Attorney(s):</i> TM LK <i>Division Ref:</i> <i>Agent Ref:</i>	Granted	
3224/ Switzerland	EPP	97919556.7 25-Apr-1997 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Beck Greener <i>Title:</i> Nucleic Acid Pick-Up		0904364 20-Jul-2005 <i>Attorney(s):</i> TM LK <i>Division Ref:</i> <i>Agent Ref:</i>	Granted	

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3224/ United Kingdom	EPP	97919556 7 25-Apr-1997		0904364 20-Jul-2005	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Beck Greener <i>Title:</i> Nucleic Acid Pick-Up			<i>Attorney(s):</i> TM LK <i>Division Ref:</i> <i>Agent Ref:</i>
3224/ United States of America	PCT	09/171,847 11-Mar-1999	0008762 19-Jul-2001	6,794,130 21-Sep-2004	Granted 11-Mar-2019
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Nucleic Acid Pick-Up			<i>Attorney(s):</i> TM LK <i>Division Ref:</i> <i>Agent Ref:</i>
3231/ Belgium	EPP	95929964.5 25-Aug-1995		0846161 17-Aug-2005	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Beck Greener <i>Title:</i> Release of Intracellular Material (Cell Lysis)			<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>
3231/ European Patent Convention	PCT	95929964.5 25-Aug-1995	0846161 06-Mar-1997	0846161 17-Aug-2005	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Beck Greener <i>Title:</i> Release of Intracellular Material (Cell Lysis)			<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3231/ France	EPP	95929964.5 25-Aug-1995		0846161 25-Aug-2005	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Beck Greener  
*Title:* Release of Intracellular Material (Cell Lysis)  
*Attorney(s):* SW  
*Division Ref:*  
*Agent Ref:*

3231/ Germany	EPP	95929964.5 25-Aug-1995		DE6934386 17-Aug-2005	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Beck Greener  
*Title:* Release of Intracellular Material (Cell Lysis)  
*Attorney(s):* SW  
*Division Ref:*  
*Agent Ref:*

3231/ Ireland	EPP	95929964.5 25-Aug-1995		0846161 25-Aug-2005	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Beck Greener  
*Title:* Release of Intracellular Material (Cell Lysis)  
*Attorney(s):* SW  
*Division Ref:*  
*Agent Ref:*

3231/ Italy	EPP	95929964.5 25-Aug-1995		0846161 25-Aug-2005	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Beck Greener  
*Title:* Release of Intracellular Material (Cell Lysis)  
*Attorney(s):* SW  
*Division Ref:*  
*Agent Ref:*

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3231/ Japan	PCT	509297/1997 25-Aug-1995		3751979 16-Dec-2005	Granted
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Beck Greener*Title:* Release of Intracellular Material (Cell Lysis)*Attorney(s):* SW*Division Ref:**Agent Ref:*

3231/ Netherlands	EPP	95929964.5 25-Aug-1995		0846161 25-Aug-2005	Granted
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Beck Greener*Title:* Release of Intracellular Material (Cell Lysis)*Attorney(s):* SW*Division Ref:**Agent Ref:*

3231/ Switzerland	EPP	95929964.5 25-Aug-1995		0846161 17-Aug-2005	Granted
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Beck Greener*Title:* Release of Intracellular Material (Cell Lysis)*Attorney(s):* SW*Division Ref:**Agent Ref:*

3231/ United Kingdom	EPP	95929964.5 25-Aug-1995		0846161 25-Aug-2005	Granted
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Beck Greener*Title:* Release of Intracellular Material (Cell Lysis)*Attorney(s):* SW*Division Ref:**Agent Ref:*

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3231/ United States of America	PCT	09/030,028 25-Feb-1998		6,335,161 01-Jan-2002	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Release of Intracellular Material (Cell Lysis)		<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>	
3231A/ United States of America	DIV	09/994,657 28-Nov-2001	151694-AI 17-Oct-2002	6,811,981 02-Nov-2004	Granted 25-Feb-2018
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Release of Intracellular Material (Cell Lysis)		<i>Attorney(s):</i> TM MT <i>Division Ref:</i> <i>Agent Ref:</i>	
3233.1/ United States of America	ORD	09/545,207 07-Apr-2000		6,824,866 30-Nov-2004	Granted 07-Apr-2020
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>		<i>Attorney(s):</i> TM JPI <i>Division Ref:</i> <i>Agent Ref:</i>	
		<i>Title:</i> Porous Silica Substrates for Polymer Synthesis and Assays			
3234.1/ United States of America	CIP	09/373,984 16-Aug-1999	005354I 20-Dec-2001	6,864,050 08-Mar-2005	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Single-Phase Amplification of Nucleic Acids		<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>	

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3234.2/ United States of America	ORD	09/854.317 11-May-2001		6,582,938 24-Jun-2003	Granted 11-May-2021
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Sandra Wells  
**Title:** Amplification of Nucleic Acids  
**Attorney(s):** SW  
**Division Ref:**  
**Agent Ref:**

3235/ United States of America	ORD	09/358.664 21-Jul-1999		6,495,320 17-Dec-2002	Granted 21-Jul-2019
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Sandra Wells  
**Title:** Even Length Proportional Amplification of Nucleic Acids  
**Attorney(s):** SW  
**Division Ref:**  
**Agent Ref:**

3236/ United States of America	ORD	09/470.805 19-Oct-1999		6,287,778 11-Sep-2001	Granted 19-Oct-2019
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** John Iwanicki  
**Title:** Allele Detection using Primer Extension with Sequence Coded Identity Tags  
**Attorney(s):** SW SK WZ  
**Division Ref:**  
**Agent Ref:**

3237/ United States of America	ORD	09/419.817 18-Oct-1999		6,709,816 23-Mar-2004	Granted 18-Oct-2019
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** John Iwanicki  
**Title:** Identification of Alleles  
**Attorney(s):** SW SK  
**Division Ref:**  
**Agent Ref:**



Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status	Expiration Date
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3240.1/ United States of America	CIP	09/693,204 19-Oct-2000		6,841,348 11-Jan-2005	Granted	
<p><b>Owner Name:</b> Affymetrix, Inc.  <b>Division:</b> Affymetrix  <b>Agent Name:</b> Sandra Wells  <b>Title:</b> Methods for Identifying and Using Maintenance Genes  <b>Attorney(s):</b> SW JL  <b>Division Ref:</b>  <b>Agent Ref:</b></p>						

3241/ United States of America	ORD	09/475,209 29-Dec-1999		6,612,737 02-Sep-2003	Granted	29-Dec-2019
<p><b>Owner Name:</b> Affymetrix, Inc.  <b>Division:</b> Affymetrix  <b>Agent Name:</b> John Iwanicki  <b>Title:</b> System &amp; Method for Self-Calibrating Measurement  <b>Attorney(s):</b> BMC PB  <b>Division Ref:</b>  <b>Agent Ref:</b></p>						

3242.1/ United States of America	CIP	09/747,760 21-Dec-2000	0031462 18-Oct-2001	6,913,882 05-Jul-2005	Granted	
<p><b>Owner Name:</b> Affymetrix &amp; Stanford  <b>Division:</b> Affymetrix  <b>Agent Name:</b> Joe Liebeschuetz  <b>Title:</b> Methods of Screening for B Cell Activity Modulators  <b>Attorney(s):</b> TM JL  <b>Division Ref:</b>  <b>Agent Ref:</b></p>						

3243/ United States of America	ORD	09/577,022 18-Aug-1999		6,338,071 08-Jan-2002	Granted	18-Aug-2019
<p><b>Owner Name:</b> Affymetrix, Inc.  <b>Division:</b> Affymetrix  <b>Agent Name:</b> Michael Verga  <b>Title:</b> Method and System for Providing a Contract Management System Using an Action-Item Table (as amended)  <b>Attorney(s):</b> BMC MV  <b>Division Ref:</b>  <b>Agent Ref:</b></p>						

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3244.2/ United States of America	ORD	09/620,780 21-Jul-2000		7,144,700 05-Dec-2006	Granted 21-Jul-2020
<i>Owner Name:</i> Affymetrix and University of Maryland					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Palmer-Dodge					
<i>Title:</i> Photolithographic Solid-Phase Polymer Synthesis					
3246.2A/ United States of America	CON	11/963,284 21-Dec-2007	0096771 24-Apr-2008		Published
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Steve Yee					
<i>Title:</i> Methods, Systems and Computer Software for Designing and Synthesizing Sequence Arrays					
3246.2B/ United States of America	CON	13/180,006 11-Jul-2011	0281772 17-Nov-2011		Published
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Steve Yee					
<i>Title:</i> Methods, Systems and Computer Software for Designing and Synthesizing Sequence Arrays					
3253.2/ United States of America	CON	09/779,389 07-Feb-2001		6,800,439 05-Oct-2004	Granted TM BK SW
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Joe Liebeschuetz					
<i>Title:</i> Methods for Improved Array Preparation					

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3254.1/ Belgium	EPC	00307541.3 01-Sep-2000	1081163	1081163 23-Nov-2005	Granted 01-Sep-2020
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:**

**Attorney(s):** SW  
**Division Ref:**  
**Agent Ref:**

**Title:** Macromolecular Arrays on Polymeric Brushes and Methods for Preparing the Same

3254.1/ European Patent Convention	ORD	00307541.3 01-Sep-2000	1081163 07-Mar-2001	1081163 23-Nov-2005	Granted 01-Sep-2020
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:**

**Attorney(s):** SW  
**Division Ref:**  
**Agent Ref:**

**Title:** Macromolecular Arrays on Polymeric Brushes and Methods for Preparing the Same

3254.1/ France	EPC	00307541.3 01-Sep-2000	1081163	1081163 23-Nov-2005	Granted 01-Sep-2020
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:**

**Attorney(s):** SW  
**Division Ref:**  
**Agent Ref:**

**Title:** Macromolecular Arrays on Polymeric Brushes and Methods for Preparing the Same

3254.1/ Germany	EPC	00307541.3 01-Sep-2000	1081163	1081163 23-Nov-2005	Granted 01-Sep-2020
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:**

**Attorney(s):** SW  
**Division Ref:**  
**Agent Ref:**

**Title:** Macromolecular Arrays on Polymeric Brushes and Methods for Preparing the Same

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3254.1/ Ireland	EPC	00307541.3 01-Sep-2000	1081163	1081163 23-Nov-2005	Granted 01-Sep-2020
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>		<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>	
		<i>Title:</i> Macromolecular Arrays on Polymeric Brushes and Methods for Preparing the Same			
3254.1/ Italy	EPC	00307541.3 01-Sep-2000	1081163	1081163 23-Nov-2005	Granted 01-Sep-2020
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>		<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>	
		<i>Title:</i> Macromolecular Arrays on Polymeric Brushes and Methods for Preparing the Same			
3254.1/ Japan	ORD	2000-266267 01-Sep-2000		3618285 19-Nov-2004	Granted 01-Sep-2020
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>		<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i> F1-00B45125	
		<i>Title:</i> Macromolecular Arrays on Polymeric Brushes and Methods for Preparing the Same			
3254.1/ Netherlands	EPC	00307541.3 01-Sep-2000	1081163	1081163 23-Nov-2005	Granted 01-Sep-2020
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>		<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>	
		<i>Title:</i> Macromolecular Arrays on Polymeric Brushes and Methods for Preparing the Same			

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3254.1/ Switzerland	EPC	00307541.3 01-Sep-2000	1081163 1081163	1081163 23-Nov-2005	Granted 01-Sep-2020
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:**Attorney(s):* SW*Division Ref:**Agent Ref:**Title:* Macromolecular Arrays on Polymeric Brushes and Methods for Preparing the Same

3254.1/ United Kingdom	EPC	00307541.3 01-Sep-2000	1081163 1081163	1081163 23-Nov-2005	Granted 01-Sep-2020
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:**Attorney(s):* SW*Division Ref:**Agent Ref:**Title:* Macromolecular Arrays on Polymeric Brushes and Methods for Preparing the Same

3254.1/ United States of America	CIP	09/652,962 31-Aug-2000		6,994,964 07-Feb-2006	Granted
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:**Attorney(s):* SW*Division Ref:**Agent Ref:**Title:* Macromolecular Arrays on Polymeric Brushes and Methods for Preparing the Same

3257.2/ United States of America	CIP	09/670,510 26-Sep-2000		6,505,125 07-Jan-2003	Granted
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Wei Zhou*Attorney(s):* WZ JL*Division Ref:**Agent Ref:**Title:* Methods and Computer Software Products for Multiple Probe Gene Expression Analysis

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3272/ United States of America	ORD	09/734,751 11-Dec-2000	0106126 08-Aug-2002	6,907,146 14-Jun-2005	Granted 04-Jun-2022
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Wei Zhou <i>Title:</i> Methods, Systems and Computer Software for Detecting Pixel Stutter					
3273/ Australia	ORD	20000017912 17-Dec-1999	785085 04-Jan-2007	785085 04-Jan-2007	Granted 17-Dec-2019
<i>Owner Name:</i> Affymetrix & Biomerieux <i>Division:</i> Affymetrix <i>Agent Name:</i> German & Maureau <i>Title:</i> Process for Labeling a Ribonucleic Acid & Labeled RNA Fragments which are Obtained Thereby					
3273/ Canada	PRI	2,394,392 17-Dec-1999		2,394,392 02-Nov-2010	Granted 17-Dec-2019
<i>Owner Name:</i> Affymetrix & Biomerieux <i>Division:</i> Affymetrix <i>Agent Name:</i> Biomerieux <i>Title:</i> Process for Labeling a Ribonucleic Acid & Labeled RNA Fragments which are Obtained Thereby					
3273/ European Patent Convention	PRI	99961233.6 17-Dec-1999	1238115 11-Sep-2002	1238115 14-Oct-2009	Granted
<i>Owner Name:</i> Affymetrix & Biomerieux <i>Division:</i> Affymetrix <i>Agent Name:</i> German & Maureau <i>Title:</i> Process for Labeling a Ribonucleic Acid & Labeled RNA Fragments which are Obtained Thereby					

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3273/ France	EPC	99961233.6 17-Dec-1999	1238115 11-Sep-2002	1238115 14-Oct-2009	Granted 17-Dec-2019
<i>Owner Name:</i> Affymetrix & Biomerieux					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> German & Maureau					
<i>Title:</i> Process for Labeling a Ribonucleic Acid & Labeled RNA Fragments which are Obtained Thereby					
3273/ Germany	EPC	99961233.6 17-Dec-1999	1238115 11-Sep-2002	69941546.2 14-Oct-2009	Granted 17-Dec-2019
<i>Owner Name:</i> Affymetrix & Biomerieux					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> German & Maureau					
<i>Title:</i> Process for Labeling a Ribonucleic Acid & Labeled RNA Fragments which are Obtained Thereby					
3273/ Italy	EPC	99961233.6 17-Dec-1999	1238115 11-Sep-2002		Allowed
<i>Owner Name:</i> Affymetrix & Biomerieux					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i>					
<i>Title:</i> Process for Labeling a Ribonucleic Acid & Labeled RNA Fragments which are Obtained Thereby					
3273/ Spain	EPC	99961233.6 17-Dec-1999	1238115 11-Sep-2002		Allowed
<i>Owner Name:</i> Affymetrix & Biomerieux					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i>					
<i>Title:</i> Process for Labeling a Ribonucleic Acid & Labeled RNA Fragments which are Obtained Thereby					

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3273/ United Kingdom	EPC	99961233.6 17-Dec-1999	1238115 11-Sep-2002	1238115 14-Oct-2009	Granted 17-Dec-2019
<i>Owner Name:</i> Affymetrix & Biomerieux					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> German & Maureau					
<i>Title:</i> Process for Labeling a Ribonucleic Acid & Labeled RNA Fragments which are Obtained Thereby					
3273/A United States of America	ORD	09/737,761 18-Dec-2000	0044105 22-Nov-2001	6,489,114 03-Dec-2002	Granted 18-Dec-2020
<i>Owner Name:</i> Affymetrix & Biomerieux					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Biomerieux					
<i>Title:</i> Process for Labeling a Ribonucleic Acid & Labeled RNA Fragments which are Obtained Thereby					
3276/ United States of America	CIP	09/431,964 01-Nov-1999		6,340,565 22-Jan-2002	Granted
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Lisa Kajisa					
<i>Title:</i> Determining Signal Transduction Pathways					
3276A/ United States of America	CON	10/051,020 22-Jan-2002	0094518 18-Jul-2002	6,746,844 08-Jun-2004	Granted 30-Jan-2020
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i>					
<i>Title:</i> Determining Signal Transduction Pathways					



Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3281.1/ United States of America	CIP	09/871,610 01-Jun-2001 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Lisa Treanin <i>Title:</i> New Methods for Array Preparation Using Substrate Rotation		7,005,259 28-Feb-2006 <i>Attorney(s):</i> TM LT <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 01-Jun-2020
3284.1/ United States of America	CIP	09/758,872 11-Jan-2001 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Wei Zhou <i>Title:</i> Computer Software for Genotyping Analysis Using Pattern Recognition	0016680 07-Feb-2002	6,850,846 01-Feb-2005 <i>Attorney(s):</i> WZ <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3284.2/ United States of America	CIP	10/219,503 15-Aug-2002 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Bill McCarthy <i>Title:</i> System, Method, and Computer Software for Genotyping Analysis and Identification of Allelic Imbalance	0609292-A1 09-Jan-2003	6,988,040 17-Jan-2006 <i>Attorney(s):</i> BMC <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 12-Oct-2021
3284.2A/ United States of America	CON	11/181,584 14-Jul-2005 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Bill McCarthy <i>Title:</i> System, Method, and Computer Software for Genotyping Analysis and Identification of Allelic Imbalance	0250151 10-Nov-2005	7,280,922 09-Oct-2007 <i>Attorney(s):</i> BMC <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 11-Jan-2021

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3286.1/ United States of America	CIP	09/603,862 26-Jun-2000		6,386,749 14-May-2002	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Darin J. Gibby <i>Title:</i> Systems and Methods for Heating and Mixing Fluids			<i>Attorney(s):</i> BMC DJG <i>Division Ref:</i> <i>Agent Ref:</i>
3291.1/ China (People's Republic)	PCT	01804139.6 25-Jul-2002	CN1426534A 25-Jun-2003	01804139.6 21-Nov-2007	Granted 24-Jan-2021
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Philip L. McGarrigle <i>Title:</i> Method, System and Computer Software for Providing a Genomic Web Portal			<i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>
3295.1/ United States of America	ORD	09/810,434 15-Mar-2001		6,833,450 21-Dec-2004	Granted 15-Mar-2021
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Lisa Treanue <i>Title:</i> Phosphite Ester Oxidation in Nucleic Acid Array Preparation			<i>Attorney(s):</i> TM SP <i>Division Ref:</i> <i>Agent Ref:</i>
3297.1/ United States of America	CIP	09/811,143 15-Mar-2001		6,806,361 19-Oct-2004	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Lisa Treanue <i>Title:</i> Methods of Enhancing Functional Performance of Nucleic Acid Arrays			<i>Attorney(s):</i> TM LT <i>Division Ref:</i> <i>Agent Ref:</i>

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3298.1/ Belgium	EPC	01105480.6 14-Mar-2001	1136933	1136933 09-Jun-2004	Granted 14-Mar-2021
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Nonparametric Algorithms for Analysis of Microarrays <i>Attorney(s):</i> LK <i>Division Ref:</i> <i>Agent Ref:</i>					
3298.1/ European Patent Convention	ORD	01105480.6 14-Mar-2001	1136933 23-Oct-2002	1136933 09-Jun-2004	Granted 14-Mar-2021
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Nonparametric Algorithms for Analysis of Microarrays <i>Attorney(s):</i> LK <i>Division Ref:</i> <i>Agent Ref:</i> P56775					
3298.1/ France	EPC	01105480.6 14-Mar-2001	1136933	1136933 09-Jun-2004	Granted 14-Mar-2021
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Nonparametric Algorithms for Analysis of Microarrays <i>Attorney(s):</i> LK <i>Division Ref:</i> <i>Agent Ref:</i>					
3298.1/ Germany	EPC	01105480.6 14-Mar-2001	1136933	60103682.4 09-Jun-2004	Granted 14-Mar-2021
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Nonparametric Algorithms for Analysis of Microarrays <i>Attorney(s):</i> LK <i>Division Ref:</i> <i>Agent Ref:</i>					

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3298.1/ Ireland	EPC	01105480.6 14-Mar-2001	1136933	1136933 09-Jun-2004	Granted 14-Mar-2021
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Nonparametric Algorithms for Analysis of Microarrays			<i>Attorney(s):</i> LK <i>Division Ref:</i> <i>Agent Ref:</i>
3298.1/ Italy	EPC	01105480.6 14-Mar-2001	1136933	1136933 09-Jun-2004	Granted 14-Mar-2021
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Nonparametric Algorithms for Analysis of Microarrays			<i>Attorney(s):</i> LK <i>Division Ref:</i> <i>Agent Ref:</i>
3298.1/ Netherlands	EPC	01105480.6 14-Mar-2001	1136933	1136933 09-Jun-2004	Granted 14-Mar-2021
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Nonparametric Algorithms for Analysis of Microarrays			<i>Attorney(s):</i> LK <i>Division Ref:</i> <i>Agent Ref:</i>
3298.1/ Switzerland	EPC	01105480.6 14-Mar-2001	1136933	1136933 09-Jun-2004	Granted 14-Mar-2021
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Joe Liebeschuetz <i>Title:</i> Nonparametric Algorithms for Analysis of Microarrays			<i>Attorney(s):</i> LK <i>Division Ref:</i> <i>Agent Ref:</i>

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3298.1/ United Kingdom	EPC	01105480.6 14-Mar-2001	1136933	1136933 09-Jun-2004	Granted 14-Mar-2021
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Joe Liebeschuetz					
<i>Title:</i> Nonparametric Algorithms for Analysis of Microarrays					
3299.1/ United States of America	CIP	09/689,937 11-Oct-2000		6,613,516 02-Sep-2003	Granted
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Sandra Wells					
<i>Title:</i> Labeling of Prokaryotic RNA					
3300/ European Patent Convention	ORD	95900477.1 28-Oct-1994	0675760 04-May-1995	0675760 19-May-1999	Granted 28-Oct-2014
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Vokler Vossius					
<i>Title:</i> Method and Apparatus for Creating Biopolymer Arrays on a Solid Support Surface					
3300/ Germany	EPC	95900477.1 28-Oct-1994		0675760 19-May-1999	Granted 28-Oct-2014
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Vokler Vossius					
<i>Title:</i> Method and Apparatus for Creating Biopolymer Arrays on a Solid Support Surface					

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3300/ Italy	EPC	95900477.1 28-Oct-1994		0675760 19-May-1999	Granted 28-Oct-2014
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Vokler Vossius		<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>	
		<i>Title:</i> Method and Apparatus for Creating Biopolymer Arrays on a Solid Support Surface			
3300/ United Kingdom	EPC	95900477.1 28-Oct-1994		0675760 19-May-1999	Granted 28-Oct-2014
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Vokler Vossius		<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>	
		<i>Title:</i> Method and Apparatus for Creating Biopolymer Arrays on a Solid Support Surface			
3301.1/ United States of America	CIP	08/145,939 29-Oct-1993		5,554,501 10-Sep-1996	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>		<i>Attorney(s):</i> PLM JL <i>Division Ref:</i> <i>Agent Ref:</i>	
		<i>Title:</i> Biopolymer Synthesis using Surface Activated Biaxially Oriented Polypropylene			
3301A/ United States of America	CON	08/343,267 22-Nov-1994		5,583,211 10-Dec-1996	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>		<i>Attorney(s):</i> PLM JL <i>Division Ref:</i> <i>Agent Ref:</i>	
		<i>Title:</i> Surface Activated Organic Polymers Useful For Location-Specific Attachment of Nucleic Acids, Peptides, Proteins and Oligosaccharides			

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3302A/ United States of America	CON	08/863,639 28-May-1997 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>		5,981,185 09-Nov-1999 <i>Attorney(s):</i> PLM JL <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3305.1/ United States of America	ORD	09/922,426 03-Aug-2001 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Malone <i>Title:</i> Oligonucleotide Repeat Arrays	022721 21-Feb-2002	6,887,665 03-May-2005 <i>Attorney(s):</i> TM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 03-Aug-2021
3308.3/ United States of America	CIP	09/734,752 11-Dec-2000 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Genes Differentially Expressed in Secretory Versus Proliferative Endometrium	0044104 22-Nov-2001	6,884,578 26-Apr-2005 <i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3310.1/ United States of America	CIP	09/691,702 17-Oct-2000 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Darin J. Gibby <i>Title:</i> Cartridge Loader and Methods		6,511,277 28-Jan-2003 <i>Attorney(s):</i> BMC DJG <i>Division Ref:</i> <i>Agent Ref:</i>	Granted

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3310.1A/ United States of America	CON	10/180,588 26-Jun-2002	164235-A1 07-Nov-2002	6,604,902 12-Aug-2003	Granted 17-Oct-2020
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Darin J. Gibby <i>Title:</i> Cartridge Loader and Methods					
3310.1B/ United States of America	CON	10/447,582 28-May-2003	0198549-A1 23-Oct-2003	7,108,472 19-Sep-2006	Granted 17-Oct-2020
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> <i>Title:</i> Cartridge Loader and Methods					
3318/ United States of America	ORD	09/050,496 30-Mar-1998		5,936,324 10-Aug-1999	Granted 30-Mar-2018
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitkovsky <i>Title:</i> Moving Magnetic Scanner					
3319.2/PCT/ Austria	EPC	99912745.9 17-Oct-2000		1073926 21-May-2003	Granted 17-Oct-2020
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitkovsky <i>Title:</i> Wide Field of View and High Speed Scanning Microscopy					



Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3319.2/PCT/ Belgium	EPC	99912745.9 17-Oct-2000		1073926 21-May-2003	Granted 17-Oct-2020
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:*

*Attorney(s):* SW  
*Division Ref:*  
*Agent Ref:*

*Title:* Wide Field of View and High Speed Scanning Microscopy

3319.2/PCT/ European Patent Convention	PCT	99912745.9 17-Oct-2000	1073926 23-Sep-1999	1073926 21-May-2003	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Ivan Zitikovsky

*Attorney(s):* SW  
*Division Ref:*  
*Agent Ref:* P54886

*Title:* Wide Field of View and High Speed Scanning Microscopy

3319.2/PCT/ France	EPC	99912745.9 17-Oct-2000		1073926 21-May-2003	Granted 17-Oct-2020
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Ivan Zitikovsky

*Attorney(s):* SW  
*Division Ref:*  
*Agent Ref:*

*Title:* Wide Field of View and High Speed Scanning Microscopy

3319.2/PCT/ Germany	EPC	99912745.9 17-Oct-2000		1073926 21-May-2003	Granted 17-Oct-2020
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Uexküll & Stolberg

*Attorney(s):* SW  
*Division Ref:*  
*Agent Ref:*

*Title:* Wide Field of View and High Speed Scanning Microscopy

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3319.2/PCT/ Ireland	EPC	99912745.9 17-Oct-2000		1073926 21-May-2003	Granted 17-Oct-2020
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i>					
<i>Title:</i> Wide Field of View and High Speed Scanning Microscopy					
3319.2/PCT/ Italy	EPC	99912745.9 17-Oct-2000		1073926 21-May-2003	Granted 17-Oct-2020
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i>					
<i>Title:</i> Wide Field of View and High Speed Scanning Microscopy					
3319.2/PCT/ Luxembourg	EPC	99912745.9 17-Oct-2000		1073926 21-May-2003	Granted 17-Oct-2020
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i>					
<i>Title:</i> Wide Field of View and High Speed Scanning Microscopy					
3319.2/PCT/ Netherlands	EPC	99912745.9 17-Oct-2000		1073926 21-May-2003	Granted 17-Oct-2020
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i>					
<i>Title:</i> Wide Field of View and High Speed Scanning Microscopy					

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3319.2/PCT/ Switzerland	EPC	99912745.9 17-Oct-2000		1073926 21-May-2003	Granted 17-Oct-2020
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>		<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>	
		<i>Title:</i> Wide Field of View and High Speed Scanning Microscopy			
3319.2/PCT/ United Kingdom	EPC	99912745.9 17-Oct-2000		1073926 21-May-2003	Granted 17-Oct-2020
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitkovsky		<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>	
		<i>Title:</i> Wide Field of View and High Speed Scanning Microscopy			
3321.1/ United States of America	CIP	09/780,586 08-Feb-2001	0008508 24-Jan-2002	6,531,864 11-Mar-2003	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitkovsky		<i>Attorney(s):</i> BMC IZ <i>Division Ref:</i> <i>Agent Ref:</i>	
		<i>Title:</i> Coil for Electromagnetic Devices			
3328/ Australia	ORD	37864/00 02-Jun-2000		776519 23-Dec-2004	Granted 02-Jun-2020
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Ivan Zitkovsky		<i>Attorney(s):</i> BMC LB <i>Division Ref:</i> <i>Agent Ref:</i>	
		<i>Title:</i> Position Sensing with Variable Capacitance Transducers			

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status	Expiration Date
3328/ Singapore	ORD	200003076-7 02-Jun-2000		86404 30-Jan-2004	Granted	02-Jun-2020
		<b>Owner Name:</b> Affymetrix, Inc. <b>Division:</b> Affymetrix <b>Agent Name:</b> Ivan Zitkovsky <b>Title:</b> Position Sensing with Variable Capacitance Transducers				<b>Attorney(s):</b> BMC LB <b>Division Ref:</b> <b>Agent Ref:</b>
3328/ United States of America	ORD	09/326,374 04-Jun-1999		6,218,803 17-Apr-2001	Granted	
		<b>Owner Name:</b> Affymetrix, Inc. <b>Division:</b> Affymetrix <b>Agent Name:</b> Ivan Zitkovsky <b>Title:</b> Position Sensing with Variable Capacitance Transducers				<b>Attorney(s):</b> BMC LB <b>Division Ref:</b> <b>Agent Ref:</b>
3329/ European Patent Convention	PCT	01907186.9 09-Feb-2001	01/59503	1254392 30-Jan-2008	Granted	09-Feb-2021
		<b>Owner Name:</b> Affymetrix, Inc. <b>Division:</b> Affymetrix <b>Agent Name:</b> Uexküll & Stolberg <b>Title:</b> Quantified Fluorescence Microscopy				<b>Attorney(s):</b> SW <b>Division Ref:</b> <b>Agent Ref:</b>
3329/ Germany	EPP	01907186.9 09-Feb-2001	01/59503	60132656 30-Jan-2008	Granted	09-Feb-2021
		<b>Owner Name:</b> Affymetrix, Inc. <b>Division:</b> Affymetrix <b>Agent Name:</b> <b>Title:</b> Quantified Fluorescence Microscopy				<b>Attorney(s):</b> SW <b>Division Ref:</b> <b>Agent Ref:</b>

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3329/ Switzerland	EPP	01907186.9 09-Feb-2001	01/59503	1254392 30-Jan-2008	Granted 09-Feb-2021
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i>					
<i>Title:</i> Quantified Fluorescence Microscopy					
3329/ United Kingdom	EPP	01907186.9 09-Feb-2001	01/59503	1254392 30-Jan-2008	Granted 09-Feb-2021
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i>					
<i>Title:</i> Quantified Fluorescence Microscopy					
3329/ United States of America	ORD	09/500,626 09-Feb-2000		6,472,671 29-Oct-2002	Granted 09-Feb-2020
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Ivan Zatkovsky					
<i>Title:</i> Quantified Fluorescence Microscopy					
3330.5/ United States of America	CON	11/744,763 04-May-2007	0248975 25-Oct-2007		Published
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Steve Yee					
<i>Title:</i> Methods for Monitoring the Expression of Alternatively Spliced Genes					

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3334.3B/ United States of America	CON	13/167,520 25-Jun-2011	0250602 13-Oct-2011		Published
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Steve Yee*Attorney(s):* SY*Division Ref:**Agent Ref:**Title:* Methods and Computer Software Products for Identifying Transcribed Regions of a Genome

3336.1/ United States of America	CIP	09/870,558 31-May-2001	0018202 14-Feb-2002	6,643,076 04-Nov-2003	Granted
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Lety Block*Title:* Attachment Device*Attorney(s):* LB*Division Ref:**Agent Ref:*

3337/ United States of America	ORD	09/636,517 10-Aug-2000		6,422,249 23-Jul-2002	Granted 10-Aug-2020
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Darin J. Gibby*Title:* Cartridge Washing System and Methods*Attorney(s):* BMC DIG*Division Ref:**Agent Ref:*

3337A/ United States of America	DIV	10/194,508 11-Jul-2002	0174884-A1 28-Nov-2002	6,715,500 06-Apr-2004	Granted 10-Aug-2020
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Darin J. Gibby*Title:* Cartridge Washing System And Methods*Attorney(s):* BMC DIG*Division Ref:**Agent Ref:*

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3343.1/ United States of America	ORD	10/311,820 25-Jun-2001	0125370 01-Jul-2004	7,158,224 02-Jan-2007	Granted 01-Feb-2022
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Philip L. McGarrigle*Title:* Optically Active Substrates*Attorney(s):* SW*Division Ref:**Agent Ref:*

3348.10/ United States of America	CON	11/215,900 31-Aug-2005	0074563 06-Apr-2006	7,451,047 11-Nov-2008	Granted 02-Mar-2020
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Bill McCarthy*Title:* System and Method for Programmatic Access to Biological Probe Array Data*Attorney(s):* BMC LB*Division Ref:**Agent Ref:*

3348.7/ United States of America	CIP	10/370,442 19-Feb-2003	157545-A1 21-Aug-2003	6,954,699 11-Oct-2005	Granted 22-Mar-2020
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Bill McCarthy*Title:* System and Method for Programmatic Access to Biological Probe Array Data*Attorney(s):* BMC*Division Ref:**Agent Ref:*

3351.1/ European Patent Convention	PCT	01985466.0 22-Aug-2001	1573634 14-Sep-2005		Published
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Uexkill & Stolberg*Title:* System and Method and Computer Software Product for Gain Adjustment in Biological Microarray Scanner*Attorney(s):* TS*Division Ref:**Agent Ref:*

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3351.1/ United States of America	CIP	09/682,071 17-Jul-2001	168094-A1 14-Nov-2002	7,062,092 13-Jun-2006	Granted
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Bill McCarthy  
**Title:** System and Method and Computer SoftwareProduct for Gain Adjustment in Biological Microarray Scanner  
**Attorney(s):** TS  
**Division Ref:**  
**Agent Ref:**

3351.1A/ European Patent Convention	DIV	11162099.3 22-Aug-2001	2390819 30-Nov-2011		Published
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Uexküll & Stolberg  
**Title:** System and Method and Computer SoftwareProduct for Gain Adjustment in Biological Microarray Scanner  
**Attorney(s):** TS  
**Division Ref:**  
**Agent Ref:**

3351.2/ United States of America	CIP	09/682,074 17-Jul-2001	0024026 28-Feb-2002	6,789,040 07-Sep-2004	Granted 22-Aug-2020
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Bill McCarthy  
**Title:** System, Method and Computer Software Product for Specifying a Scanning Area of a Substrate  
**Attorney(s):** BMC  
**Division Ref:**  
**Agent Ref:**

3351.3/ United States of America	CIP	09/682,076 17-Jul-2001	0025082 28-Feb-2002	6,965,704 15-Nov-2005	Granted 26-Jan-2022
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Bill McCarthy  
**Title:** System, Method, and Computer Software Product for Grid Alignment of Multiple Scanned Images  
**Attorney(s):** BMC  
**Division Ref:**  
**Agent Ref:**



Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3351.4A/ United States of America	CIP	10/197,369 17-Jul-2002	0038812-A1 27-Feb-2003	7,130,458 31-Oct-2006	Granted 27-Jun-2022
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Bill McCarthy <i>Title:</i> System, Method, and Computer Software Product for Scanned Image Alignment					
3351.5/ European Patent Convention	PCT	01985467.8 22-Aug-2001	1277103 22-Jan-2003		Published
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Uexkill & Stolberg <i>Title:</i> System and Method and Computer Software for Linked Window Interface					
3351.5A/ United States of America	CON	11/389,690 27-Mar-2006	0259874 16-Nov-2006	7,992,098 02-Aug-2011	Granted 04-Oct-2023
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Siepmann <i>Title:</i> System and Method and Computer Software for Linked Window Interface					
3351.5B/ United States of America	CON	13/162,492 16-Jun-2011	0258525 20-Oct-2011		Published
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Siepmann <i>Title:</i> System and Method and Computer Software for Linked Window Interface					

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status	Expiration Date
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3354/ United States of America	ORD	09/687,932 13-Oct-2006		6,803,196 12-Oct-2004	Granted 13-Oct-2020	
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**Owner Name:** Affymetrix, Inc  
**Division:** Affymetrix  
**Agent Name:** Sandra Wells

**Attorney(s):** SW  
**Division Ref:**  
**Agent Ref:**

**Title:** Methods and Compositions for Detecting Signals in Binding Assays using Microparticles

3356.1/ United States of America	ORD	09/950,016 10-Sep-2001		7,108,969 19-Sep-2006	Granted 10-Sep-2021	
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**Owner Name:** Affymetrix and Harvard  
**Division:** Affymetrix  
**Agent Name:**

**Attorney(s):** SW JPI  
**Division Ref:**  
**Agent Ref:**

**Title:** Method for detecting and diagnosing oral cancer

3357.1C/ United States of America	CON	12/234,513 19-Sep-2008	0076295 19-Mar-2009		Published	
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Cooley LLP

**Attorney(s):** TS  
**Division Ref:**  
**Agent Ref:**

**Title:** Photocleavable protecting groups

3357.1D/ United States of America	CON	12/797,559 09-Jun-2010	0324266 23-Dec-2010		Published	
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Cooley LLP

**Attorney(s):** TS  
**Division Ref:**  
**Agent Ref:**

**Title:** Photocleavable protecting groups

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3358/ United States of America	ORD	09/738,035 14-Dec-2000 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Blocker-Aided Target Amplification of Nucleic Acids	0076767-A1 20-Jun-2002	6,391,592 21-May-2002 <i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 14-Dec-2020
3361.1/ United States of America	ORD	09/681,819 11-Jun-2001 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Bill McCarthy <i>Title:</i> Computer Software System, Method, and Product for Scanned Image Alignment	0047853-A1 25-Apr-2002	6,829,376 07-Dec-2004 <i>Attorney(s):</i> BMC <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 14-Jun-2023
3361.2/ United States of America	DIV	10/967,892 18-Oct-2004 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Bill McCarthy <i>Title:</i> Computer Software System, Method, and Product for Scanned Image Alignment	0069189 31-Mar-2005	7,116,809 03-Oct-2006 <i>Attorney(s):</i> BMC <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 24-Oct-2020
3364/ United States of America	ORD	09/735,574 12-Dec-2000 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Dan Mao Townsend <i>Title:</i> Systems and Computer Software Products for Comparative Gene Expression Analysis	0103604-A1 01-Aug-2002	7,197,400 27-Mar-2007 <i>Attorney(s):</i> WZ DM <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 12-Dec-2020

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3369.1/ United States of America	CIP	09/745.272 20-Dec-2000 Affymetrix, Inc. Division: Affymetrix Agent Name: Wei Zhou Title: Computer Software Products for Nucleic Acid Hybridization Analysis	0102547-A1 01-Aug-2002	6,510,391 21-Jan-2003 Attorney(s): WZ Division Ref: Agent Ref:	Granted
3369.1A/ United States of America	CON	10/315,919 09-Dec-2002 Affymetrix, Inc. Division: Affymetrix Agent Name: Wei Zhou Title: Computer Software Products for Nucleic Acid Hybridization Analysis	0002817 01-Jan-2004	6,996,475 07-Feb-2006 Attorney(s): WZ Division Ref: Agent Ref:	Granted 14-Sep-2021
3373.1/ United States of America	CIP	09/745.965 21-Dec-2000 Affymetrix, Inc. Division: Affymetrix Agent Name: Wei Zhou Title: Method and Software Products for Selecting Probes Using Dynamic Programming	0133301-A1 19-Sep-2002	7,117,095 03-Oct-2006 Attorney(s): WZ Division Ref: Agent Ref:	Granted
3379.1/ United States of America	ORD	10/038,895 24-Oct-2001 Affymetrix, Inc. Division: Affymetrix Agent Name: Sandra Wells Title: Nucleic Acids Encoding G Protein-Coupled Receptors	H002136 06-Dec-2005 Attorney(s): SW APH NS Division Ref: Agent Ref:	Registered 24-Oct-2021	

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3381/ United States of America	ORD	09/824,931 03-Apr-2001 Affymetrix, Inc. Affymetrix Division: Affymetrix Agent Name: Bill McCarthy	0102564-A1 01-Aug-2002	6,949,638 27-Sep-2005	Granted 02-Jul-2022
		<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>			
		<i>Title:</i> Photolithographic Method and System for Efficient Mask Usage in Manufacturing DNA Arrays			
3387.2/ United States of America	ORD	09/683,980 08-Mar-2002 Affymetrix, Inc. Affymetrix Division: Affymetrix Agent Name: Bill McCarthy	0129009-A1 12-Sep-2002	6,816,867 09-Nov-2004	Granted 10-Dec-2022
		<i>Attorney(s):</i> BMC <i>Division Ref:</i> <i>Agent Ref:</i>			
		<i>Title:</i> System, Method and User Interfaces for Mining of Genomic Data			
3388.1/ United States of America	ORD	09/683,982 08-Mar-2002 Affymetrix, Inc. Affymetrix Division: Affymetrix Agent Name: Bill McCarthy	0128993-A1 12-Sep-2002	6,804,679 12-Oct-2004	Granted 17-Sep-2022
		<i>Attorney(s):</i> BMC <i>Division Ref:</i> <i>Agent Ref:</i>			
		<i>Title:</i> System, Method and User Interfaces for Managing Genomic Data			
3399/ United States of America	CIP	09/780,574 09-Feb-2001 Affymetrix, Inc. Affymetrix Division: Affymetrix Agent Name: Michael S. Tuscan	0044531 22-Nov-2001	6,596,856 22-Jul-2003	Granted 09-Feb-2021
		<i>Attorney(s):</i> TM MT <i>Division Ref:</i> <i>Agent Ref:</i>			
		<i>Title:</i> Nucleic acid labeling compounds			

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3399.1/ United States of America	DIV	10/452,375 02-Jun-2003 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Nucleic Acid Labeling Compounds	0232979 18-Dec-2003	6,844,433 18-Jan-2005 <i>Attorney(s):</i> TM MT <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 17-Feb-2021
3399.2/ United States of America	CON	10/452,519 02-Jun-2003 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Nucleic Acid Labeling Compounds	0002595 01-Jan-2004	7,179,905 20-Feb-2007 <i>Attorney(s):</i> TM MT <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 09-Feb-2021
3399.2A/ United States of America	DIV	11/037,065 18-Jan-2005 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael S. Tuscan <i>Title:</i> Nucleic Acid Labeling Compounds	0164268 28-Jul-2005	7,491,818 17-Feb-2009 <i>Attorney(s):</i> TM SW <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3404.1/ United States of America	CIP	09/683,216 03-Dec-2001 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael Verga <i>Title:</i> System, Method and Product for Dynamic Noise Reduction in Scanning of Biological Materials	161529-A1 31-Oct-2002	6,490,533 03-Dec-2002 <i>Attorney(s):</i> BMC MV <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 26-Apr-2021

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3404.1A/ United States of America	CON	10/304,092 25-Nov-2002	0176980 18-Sep-2003	6,813,567 02-Nov-2004	Granted 26-Apr-2021
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Michael Verga					
<i>Title:</i> System, Method and Product for Dynamic Noise Reduction in Scanning of Biological Materials					
3404.1B/ United States of America	CON	10/973,418 27-Oct-2004	0112654 26-May-2005	7,222,025 22-May-2007	Granted 11-Jun-2021
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Philip L. McCiarrigle					
<i>Title:</i> System, Method and Product for Dynamic Noise Reduction in Scanning of Biological Materials					
3404.2/ United States of America	CIP	09/683,217 03-Dec-2001	0159057 31-Oct-2002	6,650,411 18-Nov-2003	Granted 26-Apr-2021
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Michael Verga					
<i>Title:</i> System, Method and Product for Pixel Clocking in Scanning of Biological Materials					
3404.3/ United States of America	CIP	09/683,219 03-Dec-2001	159058-A1 31-Oct-2002	6,643,015 04-Nov-2003	Granted 26-Apr-2021
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Michael Verga					
<i>Title:</i> System, Method and Product for Symmetrical Filtering in Scanning of Biological Materials					

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3405.1/ United States of America	PCT	10/476,603 01-Nov-2003	0151628 05-Aug-2004	7,314,595 01-Jan-2008	Granted 31-Oct-2024
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Philip L. McGarrigle  
**Attorney(s):** SW  
**Division Ref:**  
**Agent Ref:**

**Title:** High Throughput Microarray Spotting System and Method

3407.2/ United States of America	ORD	09/683,264 05-Dec-2001	0023384-A1 30-Jan-2003	7,133,780 07-Nov-2006	Granted 05-Dec-2021
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Joe Liebeschuetz  
**Attorney(s):** WZ JL  
**Division Ref:**  
**Agent Ref:**

**Title:** Computer Software for Automated Annotation of Biological Sequences

3410/ United States of America	ORD	09/527,083 04-Jun-1999		6,300,070 09-Oct-2001	Granted 04-Jun-2019
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**Owner Name:** Affymetrix & MT Technogles (formerly Mosaic)  
**Division:** Affymetrix  
**Agent Name:** Hamilton, Brook, Smith & Reynolds  
**Attorney(s):** LT SW  
**Division Ref:**  
**Agent Ref:**

**Title:** Solid Phase Methods for Amplifying Multiple Nucleic Acids

3416/ United States of America	ORD	09/910,292 20-Jul-2001	0082543-A1 01-May-2003	6,632,611 14-Oct-2003	Granted 20-Jul-2021
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Sandra Wells  
**Attorney(s):** SW  
**Division Ref:**  
**Agent Ref:**

**Title:** Method of Target Enrichment and Amplification



Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3416.1/ United States of America	DIV	10/654,281 02-Sep-2003 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Method of Target Enrichment and Amplification	0132056-A1 08-Jul-2004	7,214,490 08-May-2007 <i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>	Granted
3417/ United States of America	ORD	09/920,491 31-Jul-2001 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Complexity management of genomic DNA	0096235-A1 22-May-2003	6,958,225 25-Oct-2005 <i>Attorney(s):</i> SW JL <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 31-Jul-2021
3417A/ United States of America	DIV	11/256,505 21-Oct-2005 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Complexity management of genomic DNA	0035274 16-Feb-2006	7,745,178 29-Jan-2010 <i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 31-Jul-2021
3417B/ United States of America	DIV	12/822,896 24-Jun-2010 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Complexity management of genomic DNA	0292097 18-Nov-2010	7,993,883 09-Aug-2011 <i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 31-Jul-2021

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3417C/ United States of America	CON	13/171,892 29-Jun-2011	0287491 24-Nov-2011		Published
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Complexity management of genomic DNA			<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>
3421.1/ United States of America	CIP	09/683,298 11-Dec-2001	0108868 12-Jun-2003	6,955,788 18-Oct-2005	Granted 21-Jan-2022
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Bill McCarthy <i>Title:</i> Apparatus and Method for Aligning Microarray Printing Head			<i>Attorney(s):</i> BMC <i>Division Ref:</i> <i>Agent Ref:</i>
3422/ United States of America	ORD	10/013,598 10-Dec-2001	0036069-A1 20-Feb-2003	6,872,529 29-Mar-2005	Granted 08-Apr-2022
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Complexity Management of Genomic DNA			<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>
3422A/ United States of America	CON	10/981,222 03-Nov-2004	0079536 14-Apr-2005	7,202,039 10-Apr-2007	Granted 10-Dec-2021
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Complexity Management of Genomic DNA			<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3423/ United States of America	CIP	09/061,709 24-Sep-2001		6,794,138 21-Sep-2004	Granted
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Sandra Wells  
**Attorney(s):** SW  
**Division Ref:**  
**Agent Ref:**

**Title:** Methods of Small Sample Amplification

3428.1/ United States of America	ORD	10/219,882 15-Aug-2002	0036087-A1 20-Feb-2003	7,031,846 18-Apr-2006	Granted 15-Feb-2023
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Tom Siepmann  
**Attorney(s):** BMC  
**Division Ref:**  
**Agent Ref:**

**Title:** Method System and Computer Software for the Presentation and Storage of Analysis Results

3428.1A/ United States of America	DIV	11/352,008 10-Feb-2006	0167636 27-Jul-2006	7,991,560 02-Aug-2011	Granted 20-Sep-2024
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Steve Yee  
**Attorney(s):** SY  
**Division Ref:**  
**Agent Ref:**

**Title:** System, Method, and Computer Software for the Presentation and Storage of Analysis Results

3428.1B/ United States of America	DIV	13/161,150 15-Jun-2011	0246085 06-Oct-2011		Published
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Steve Yee  
**Attorney(s):** SY  
**Division Ref:**  
**Agent Ref:**

**Title:** System, Method, and Computer Software for the Presentation and Storage of Analysis Results

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3434.3/ European Patent Convention	ORD	03400008.3 14-Mar-2003 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Siepmann <i>Title:</i> System, Method and Product for Scanning of Biological Materials	1345026 17-Sep-2003	1345026 05-May-2010 <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i> P 63073	Granted
3434.3/ France	EPC	03400008.3 14-Mar-2003 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>	1345026 17-Sep-2003	1345026 05-May-2010 <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 14-Mar-2023
3434.3/ Germany	EPC	03400008.3 14-Mar-2003 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>	1345026 17-Sep-2003	60332406 05-May-2010 <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 14-Mar-2023
3434.3/ United Kingdom	EPC	03400008.3 14-Mar-2003 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>	1345026 17-Sep-2003	1345026 05-May-2010 <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 14-Mar-2023

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3434.3/ United States of America	ORD	10/389,194 14-Mar-2003 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Siepmann <i>Title:</i> System, Method and Product for Scanning of Biological Materials	0012676 22-Jan-2004	7,689,022 30-Mar-2010 <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 25-Jan-2029
3434.3A/ United States of America	CON	10/975,788 27-Oct-2004 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Siepmann <i>Title:</i> System, Method and Product for Scanning of Biological Materials	0057676 17-Mar-2005	7,871,812 18-Jan-2011 <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 03-May-2026
3434.3B/ United States of America	DIV	12/704,350 11-Feb-2010 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Siepmann <i>Title:</i> System, Method and Product for Scanning of Biological Materials	0142850 10-Jun-2010	7,983,467 19-Jul-2011 <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 15-Mar-2022
3434.3C/ United States of America	CON	13/156,928 09-Jun-2011 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steve Yee <i>Title:</i> System, Method and Product for Scanning of Biological Materials	0243411 06-Oct-2011	8,208,710 26-Jun-2012 <i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 15-Mar-2022

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3434.3D/ United States of America	CON	13/480,888 25-May-2012			Pending
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Steve Yee

**Attorney(s):** SY  
**Division Ref:**  
**Agent Ref:**

**Title:** System, Method and Product for Scanning of Biological Materials

3434.5/ United States of America	ORD	10/913,102 06-Aug-2004	0059062 17-Mar-2005	7,317,415 08-Jan-2008	Granted 26-Oct-2025
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Philip L. McGarrigle

**Attorney(s):** TS  
**Division Ref:**  
**Agent Ref:**

**Title:** System, Method, and Product for Scanning of Biological Materials Employing dual analog integrators

3442/ United States of America	ORD	09/683,221 03-Dec-2001	0104367-A1 05-Jun-2003	6,670,122 30-Dec-2003	Granted 03-Dec-2021
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Wei Zhou

**Attorney(s):** WZ  
**Division Ref:**  
**Agent Ref:**

**Title:** Method for Detecting Transcription Templates

3445/ China (People's Republic)	PCT	02825717.0 23-Dec-2002	1606695A 13-Apr-2005	ZL 02825717 29-Nov-2006	Granted 23-Dec-2022
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Lisa Treannie

**Attorney(s):** SW LT  
**Division Ref:**  
**Agent Ref:**

**Title:** High throughput Resequencing and Variation Detection Using High Density Microarrays

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3448.1/ United States of America	ORD	10/272,155 14-Oct-2002	0232348 18-Dec-2003	7,108,976 19-Sep-2006	Granted 14-Oct-2022
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Sandra Wells*Title:* Complexity Management of Genomic DNA by Locus Specific Amplification*Attorney(s):* SW LT*Division Ref:* AFFYLABS*Agent Ref:*

3449.1/ China (People's Republic)	PCT	02825719.7 19-Dec-2002	03/053586 03-Jul-2003	2825719.7 25-Oct-2006	Granted 19-Dec-2022
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Lisa Treannie*Title:* Apparatus and Methods for Constructing Array Plates*Attorney(s):* LK*Division Ref:**Agent Ref:*

3449.1/ European Patent Convention	PCT	02805666.1 04-Jun-2004		1458486 17-Sep-2008	Granted 19-Dec-2022
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Lisa Treannie*Title:* Apparatus and Methods for Constructing Array Plates*Attorney(s):* LK*Division Ref:**Agent Ref:*

3449.1/ France	EPP	02805666.1 04-Jun-2004		1458486 17-Sep-2008	Granted 19-Dec-2022
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Uexküll & Stolberg*Title:* Apparatus and Methods for Constructing Array Plates*Attorney(s):* LK*Division Ref:**Agent Ref:*

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3449.1/ Germany	EPP	60228995.5 04-Jun-2004		1458486 17-Sep-2008	Granted 19-Dec-2022
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:*

*Attorney(s):* LK  
*Division Ref:*  
*Agent Ref:*

*Title:* Apparatus and Methods for Constructing Array Plates

3449.1/ Ireland	EPP	02805666.1 04-Jun-2004		1458486 17-Sep-2008	Granted 19-Dec-2022
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:*

*Attorney(s):* LK  
*Division Ref:*  
*Agent Ref:*

*Title:* Apparatus and Methods for Constructing Array Plates

3449.1/ Netherlands	EPP	02805666.1 04-Jun-2004		1458486 17-Sep-2008	Granted 19-Dec-2022
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:*

*Attorney(s):* LK  
*Division Ref:*  
*Agent Ref:*

*Title:* Apparatus and Methods for Constructing Array Plates

3449.1/ United Kingdom	EPP	02805666.1 04-Jun-2004		1458486 17-Sep-2008	Granted 19-Dec-2022
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:*

*Attorney(s):* LK  
*Division Ref:*  
*Agent Ref:*

*Title:* Apparatus and Methods for Constructing Array Plates



Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3450.1/ United States of America	ORD	10/318,838 12-Dec-2002	0008811 15-Jan-2004	6,985,655 10-Jan-2006	Granted 06-Sep-2023
		<i>Owner Name:</i> Affymetrix, Inc.			
		<i>Division:</i> Affymetrix			
		<i>Agent Name:</i> Wei Zhou			
		<i>Title:</i> Compositions and methods involving direct write optical lithography			
3468/ United States of America	ORD	10/264,945 04-Oct-2002	0067493 08-Apr-2004	7,297,778 20-Nov-2007	Granted 06-Nov-2023
		<i>Owner Name:</i> Affymetrix, Inc.			
		<i>Division:</i> Affymetrix			
		<i>Agent Name:</i> Sandra Wells			
		<i>Title:</i> Complexity Management of Genomic DNA			
3468.1/ United States of America	DIV	11/874,858 18-Oct-2007	0070796 20-Mar-2008	8,029,999 04-Oct-2011	Granted
		<i>Owner Name:</i> Affymetrix, Inc.			
		<i>Division:</i> Affymetrix			
		<i>Agent Name:</i> Sandra Wells			
		<i>Title:</i> Complexity Management of Genomic DNA			
3468.2/ United States of America	DIV	13/216,893 24-Aug-2011	0071328 22-Mar-2012		Published
		<i>Owner Name:</i> Affymetrix, Inc.			
		<i>Division:</i> Affymetrix			
		<i>Agent Name:</i> Sandra Wells			
		<i>Title:</i> Complexity Management of Genomic DNA			

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3475.2/ United States of America	CON	10/880,105 28-Jun-2004	0234788 25-Nov-2004	7,176,297 13-Feb-2007	Granted 08-Apr-2022
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Palmer-Dodge					
<i>Title:</i> Photoactivatable Silane Compounds and Methods for their Synthesis and Use					
3480.1/ United States of America	ORD	10/448,566 29-May-2003		7,089,121 08-Aug-2006	Granted 29-May-2023
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Wei Zhou					
<i>Title:</i> Methods for Monitoring the Expression of Alternatively Spliced Genes					
3483/ European Patent Convention	PCT	03761207.4 18-Jan-2005	1540905 05-Jun-2005		Published
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Uexkull & Stolberg					
<i>Title:</i> Anti-reflective Coatings for High-Resolution Photolithographic Synthesis of DNA Arrays					
3483/ United States of America	ORD	10/177,169 20-Jun-2002	0233824 25-Dec-2003	7,332,273 19-Feb-2008	Granted 20-Jun-2022
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i>					
<i>Title:</i> Anti-reflective Coatings for High-Resolution Photolithographic Synthesis of DNA Arrays					

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status	Expiration Date
3483.1/ European Patent Convention	DIV	11162359.1 20-Jun-2003	2365098 14-Sep-2011		Published	
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Uexkull & Stolberg				<i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>
		<i>Title:</i> Anti-reflective Coatings for High-Resolution Photolithographic Synthesis of DNA Arrays				
3483.1/ United States of America	DIV	12/014,879 16-Jan-2008	0119371 22-May-2008	7,790,389 07-Sep-2010	Granted	07-Oct-2022
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Lisa Kajisa				<i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>
		<i>Title:</i> Anti-reflective Coatings for High-Resolution Photolithographic Synthesis of DNA Arrays				
3483.1A/ United States of America	DIV	12/832,781 08-Jul-2010	0003716 06-Jan-2011	8,114,584 14-Feb-2012	Granted	20-Jun-2022
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steve Yee				<i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>
		<i>Title:</i> Anti-reflective Coatings for High-Resolution Photolithographic Synthesis of DNA Arrays				
3483.1B/ United States of America	CON	13/275,521 18-Oct-2011	0035083 09-Feb-2012		Published	
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steve Yee				<i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>
		<i>Title:</i> Anti-reflective Coatings for High-Resolution Photolithographic Synthesis of DNA Arrays				

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3483.2/ United States of America	CIP	12/358,472 23-Jan-2009	0215652 27-Aug-2009	8,105,821 31-Jan-2012	Granted 30-Mar-2023
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Alston & Bird LLP					
<i>Title:</i> Silane mixtures					
3483.2A/ United States of America	CON	13/315,078 08-Dec-2011	0094872 19-Apr-2012		Published
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Alston & Bird LLP					
<i>Title:</i> Anti-reflective Coatings for High-Resolution Photolithographic Synthesis of DNA Arrays					
3495.1/ United States of America	ORD	10/321,741 16-Dec-2002	0232353 18-Dec-2003	7,097,976 29-Aug-2006	Granted 26-Jul-2024
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Sandra Wells					
<i>Title:</i> Methods of Analysis of Allelic Imbalance					
3495.2/ United States of America	CON	11/511,198 28-Aug-2006	0292626 28-Dec-2006	8,029,997 04-Oct-2011	Granted 21-Jan-2025
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i> Sandra Wells					
<i>Title:</i> Methods of Analysis of Allelic Imbalance					

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3495.3/ United States of America	DIV	13/222,851 31-Aug-2011	0319273 29-Dec-2011		Published
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Methods of Analysis of Allelic Imbalance			<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>
3507.2/ United States of America	CIP	10/983,046 04-Nov-2004	0160096 20-Jul-2006	7,504,215 17-Mar-2009	Granted 12-Jul-2022
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Malone <i>Title:</i> Nucleic Acid Labeling Methods			<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>
3507.3/ United States of America	DIV	12/256,256 22-Oct-2008	0054258 26-Feb-2009	7,824,863 02-Nov-2010	Granted 10-Aug-2022
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Nucleic Acid Labeling Methods			<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>
3522.2/ United States of America	ORD	10/681,773 07-Oct-2003	0146890 29-Jul-2004	7,300,788 27-Nov-2007	Granted 26-Jul-2024
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Methods for Genotyping Polymorphisms in Humans			<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3522.3/ United States of America	CIP	10/891,260 13-Jul-2004	0227244 13-Oct-2005	7,629,164 08-Dec-2009	Granted 08-Oct-2022
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Tom Siepmann*Title:* Methods for Genotyping Polymorphisms in Humans*Attorney(s):* TS*Division Ref:**Agent Ref:*

3527.1/ United States of America	ORD	10/719,956 20-Nov-2003	0146910 29-Jul-2004	7,314,750 01-Jan-2008	Granted 24-Jun-2024
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Sandra Wells*Title:* Methods of Genetic Analysis of Rat*Attorney(s):* SW*Division Ref:**Agent Ref:*

3528.1/ United States of America	ORD	10/719,900 20-Nov-2003	0026164 03-Feb-2005	7,250,289 31-Jul-2007	Granted 20-Nov-2023
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Sandra Wells*Title:* Methods of Genetic Analysis of Mouse*Attorney(s):* SW*Division Ref:**Agent Ref:* 1645

3530/B United States of America	ORD	06-Jul-1999		6,146,833 14-Nov-2000	Granted 06-Jul-2019
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Philip L. McGarrigle*Title:* Polymeric Reagents for Immobilizing Biopolymers*Attorney(s):* PLM*Division Ref:**Agent Ref:*

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3533.1/ United States of America	ORD	10/712,616 12-Nov-2003 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Methods for identifying DNA Copy Number Changes	0157243 12-Aug-2004	7,424,368 09-Sep-2008 <i>Attorney(s):</i> SW <i>Division Ref:</i> AFFYLABS <i>Agent Ref:</i>	Granted 12-Nov-2023
3533.S/ United States of America	CIP	11/295,225 05-Dec-2005 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Methods for identifying DNA Copy Number Changes	0134674 22-Jun-2006	7,822,555 26-Oct-2010 <i>Attorney(s):</i> SW <i>Division Ref:</i> AFFYLABS <i>Agent Ref:</i>	Granted 03-May-2026
3533.SA/ United States of America	DIV	12/902,711 12-Oct-2010 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Methods for identifying DNA Copy Number Changes	0029251 03-Feb-2011	8,190,373 29-May-2012 <i>Attorney(s):</i> SW <i>Division Ref:</i> AFFYLABS <i>Agent Ref:</i>	Granted 11-Nov-2022
3533.5B/ United States of America	CON	13/459,603 30-Apr-2012 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Methods for identifying DNA Copy Number Changes			Pending <i>Attorney(s):</i> SW <i>Division Ref:</i> AFFYLABS <i>Agent Ref:</i>

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3540/ United States of America	ORD	10/313,652 06-Dec-2002	0109935-A1 10-Jun-2004	7,053,198 30-May-2006	Granted 06-Dec-2022
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Wei Zhou*Title:* Functionated Photoacid Generator and Functionated Polymer System for Biological Microarray  
Synthesis*Attorney(s):* WZ*Division Ref:**Agent Ref:*

3555.2/ United States of America	CON	11/554,895 31-Oct-2006	0261817 23-Oct-2008		Published
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Tom Siepmann*Title:* Methods for Analyzing Global Regulation of Coding and Non-Coding RNA Transcripts Involving Low  
Molecular Weight RNAs*Attorney(s):* TS*Division Ref:**Agent Ref:*

3569.1/ Singapore	PCT	200503796-5 12-Dec-2003		113233 31-Oct-2006	Granted 12-Dec-2023
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Wei Zhou*Title:* CHIP-IN-A-WELL-SCANNING*Attorney(s):* LK*Division Ref:**Agent Ref:*

3573/ United States of America	ORD	10/319,150 13-Dec-2002	0115646-A1 17-Jun-2004	7,117,097 03-Oct-2006	Granted 13-Dec-2022
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Wei Zhou*Title:* Methods and Computer Software Products and Systems for Correlating Gene Lists*Attorney(s):* WZ*Division Ref:**Agent Ref:*



Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3594.3/ United States of America	DIV	11/566,888 05-Dec-2006		7,833,714 16-Nov-2010	Granted
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Siepmann <i>Title:</i> Combinatorial Affinity Selection			<i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>
3594.5/ United States of America	CON	13/399,543 17-Feb-2012			Pending
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steve Yee <i>Title:</i> Combinatorial Affinity Selection			<i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>
3595.2/ China (People's Republic)	PRI	10119374.6 31-Oct-2005	1821781A 23-Aug-2006		Published
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Lisa Treanue <i>Title:</i> Automated Method of Manufacturing Polymer Arrays			<i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>
3595.2/ United States of America	CIP	11/243,621 04-Oct-2005	0088863 27-Apr-2006		Published
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Automated Method of Manufacturing Polymer Arrays			<i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3597.1/ United States of America	ORD	10/846,261 13-May-2004	0001176 06-Jan-2005	7,148,492 12-Dec-2006	Granted 13-May-2024
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Michael Verga*Title:* System, Method, and Product for Providing A Wavelength-Tunable Excitation Beam*Attorney(s):* SW*Division Ref:**Agent Ref:*

3599.1/ United States of America	CIP	10/912,445 05-Aug-2004	0142577 30-Jun-2005	7,459,273 02-Dec-2008	Granted 05-Aug-2023
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Sandra Wells*Title:* Methods for Genotyping Selected Polymorphism*Attorney(s):* SW*Division Ref:**Agent Ref:*

3599.2/ United States of America	DIV	12/326,596 02-Dec-2008	0009294 13-Jan-2011	8,114,978 14-Feb-2012	Granted 02-Sep-2024
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Sandra Wells*Title:* Methods for Genotyping Selected Polymorphism*Attorney(s):* SW*Division Ref:**Agent Ref:*

3599.3/ United States of America	CON	13/348,394 11-Jan-2012	0142551 07-Jun-2012		Published
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Sandra Wells*Title:* Methods for Genotyping Selected Polymorphism*Attorney(s):* SW*Division Ref:**Agent Ref:*

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3635.1/ United States of America	ORD	11/016,672 17-Dec-2004	0227260 13-Oct-2005	7,217,521 15-May-2007	Granted 25-Nov-2025
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Sandra Wells*Title:* Splicing Factor Target Identification*Attorney(s):* SW*Division Ref:**Agent Ref:*

3636/ United States of America	ORD	10/741,068 19-Dec-2003	0164207 28-Jul-2005	7,314,714 01-Jan-2008	Granted 05-Dec-2024
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Sandra Wells*Title:* Method of Oligonucleotide Synthesis*Attorney(s):* SW*Division Ref:**Agent Ref:*

3636A/ United States of America	CON	11/962,715 21-Dec-2007	0311128 09-Dec-2010		Published
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Steve Yee*Title:* Method of Oligonucleotide Synthesis*Attorney(s):* SY*Division Ref:**Agent Ref:*

3653.2/ European Patent Convention	ORD	04258031.6 22-Dec-2004	1547678 29-Jun-2005		Published
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Tom Siepmann*Title:* Process for High-Yield Synthesis of Standard Length and Long-Mer DNA Probes*Attorney(s):* TS*Division Ref:**Agent Ref:*

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3653.4/ United States of America	ORD	11/617,431 28-Dec-2006	0161778 12-Jul-2007	7,862,996 04-Jan-2011	Granted 28-Dec-2026
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**Owner Name:** Affymetrix, Inc.**Division:** Affymetrix**Agent Name:** Lisa Kajisa**Title:** Use of Acid Scavengers for the synthesis of standard length and long-mer Nucleic Acid Arrays**Attorney(s):** LK**Division Ref:****Agent Ref:**

3653.4A/ United States of America	CON	12/838,279 16-Jul-2010	0015098 20-Jan-2011	7,910,312 22-Mar-2011	Granted 29-Dec-2025
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**Owner Name:** Affymetrix, Inc.**Division:** Affymetrix**Agent Name:** Lisa Kajisa**Title:** Use of Acid Scavengers for the synthesis of standard length and long-mer Nucleic Acid Arrays**Attorney(s):** LK**Division Ref:****Agent Ref:**

3653.4B/ United States of America	CON	13/011,030 21-Jan-2011	0124526 26-May-2011	8,062,844 22-Nov-2011	Granted 29-Dec-2025
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**Owner Name:** Affymetrix, Inc.**Division:** Affymetrix**Agent Name:** Tom Siepmann**Title:** Use of Acid Scavengers for the synthesis of standard length and long-mer Nucleic Acid Arrays**Attorney(s):** TS**Division Ref:****Agent Ref:**

3653.4C/ United States of America	CON	13/238,563 21-Sep-2011	0010108 12-Jan-2011		Allowed
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**Owner Name:** Affymetrix, Inc.**Division:** Affymetrix**Agent Name:** Tom Siepmann**Title:** Use of Acid Scavengers for the synthesis of standard length and long-mer Nucleic Acid Arrays**Attorney(s):** TS**Division Ref:****Agent Ref:**

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status	Expiration Date
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3654.1/ United States of America	ORD	11/036,317 13-Jan-2005	0214823 29-Sep-2005	7,341,835 11-Mar-2008	Granted	13-Jan-2025
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Sandra Wells  
*Attorney(s):* SW  
*Division Ref:*  
*Agent Ref:*

*Title:* Methods of Analysis of Alternative Splicing in Mouse

3684.1/ United States of America	ORD	11/121,849 03-May-2005	0272080 08-Dec-2005	7,374,927 20-May-2008	Granted	03-May-2025
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Sandra Wells  
*Attorney(s):* SW  
*Division Ref:*  
*Agent Ref:*

*Title:* METHODS OF ANALYSIS OF DEGRADED NUCLEIC ACID SAMPLES

3690.1/ United States of America	ORD	11/175,859 05-Jul-2005	0024715 02-Feb-2006	7,361,468 22-Apr-2008	Granted	05-Jul-2025
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Sandra Wells  
*Attorney(s):* SW  
*Division Ref:*  
*Agent Ref:*

*Title:* Methods for Genotyping Polymorphisms in Humans

3693.1/ European Patent Convention	PRL	05256228.7 05-Oct-2005	1645640 12-Apr-2006		Published	
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Sandra Wells  
*Attorney(s):* SW  
*Division Ref:*  
*Agent Ref:* APEP05450

*Title:* Methods for Amplifying and Analyzing Nucleic Acids

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3694.3/ European Patent Convention	ORD	05250915.5 17-Feb-2005	1564306 17-Aug-2005		Published
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells			<i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>
3699/ United States of America	ORD	10/934,048 03-Sep-2004	0051770 09-Mar-2006	7,312,035 25-Dec-2007	Granted 21-Oct-2025
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells			<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>
		<i>Title:</i> METHODS FOR FRAGMENTING DNA			
3700/ United States of America	ORD	10/933,982 03-Sep-2004	0051769 09-Mar-2006	7,323,308 29-Jan-2008	Granted 03-May-2025
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells			<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>
		<i>Title:</i> Methods of Genetic Analysis of E. coli			
3701.1/ United States of America	ORD	11/231,266 20-Sep-2005	0239380 11-Oct-2007	7,406,391 29-Jul-2008	Granted 20-Sep-2025
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Philip L. McGarrigle			<i>Attorney(s):</i> BMC LB <i>Division Ref:</i> <i>Agent Ref:</i>
		<i>Title:</i> System, Method, and Computer Product for Detection Instrument Calibration			

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3703.1/ United States of America	CON	12/697,910 01-Feb-2010	0137147 03-Jun-2010		Published
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steve Yee			<i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>
		<i>Title:</i> System, Method and Product for Multiple Wavelength Detection Using Single Source Excitation			
3703.2/ United States of America	ORD	11/260,617 27-Oct-2005	0094048 04-May-2006	7,682,782 23-Mar-2010	Granted 27-Oct-2025
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Siepmann			<i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>
		<i>Title:</i> System, Method and Product for Multiple Wavelength Detection Using Single Source Excitation			
3709.1/ United States of America	PCT	10/627,007 25-Jul-2003	0069894 31-Mar-2005	7,119,193 10-Oct-2006	Granted 31-Jan-2022
		<i>Owner Name:</i> Affymetrix & NIH <i>Division:</i> Affymetrix <i>Agent Name:</i> Knobbe Martens Olson & Bear LLP			<i>Attorney(s):</i> WZ KMO <i>Division Ref:</i> <i>Agent Ref:</i>
		<i>Title:</i> Identification of New Small RNAs and ORDs of E.Coli as Mediators of Cells and Intercell Regulation			
3716.1/ United States of America	ORD	11/317,509 22-Dec-2005	0257560 16-Nov-2006		Published
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steve Yee			<i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>
		<i>Title:</i> POLYMER SURFACES FOR IN SITU SYNTHESIS OF POLYMER ARRAYS			

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3717.1/ United States of America	ORD	11/313,874 20-Dec-2005 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Label Free Analysis of Nucleic Acids	0147965 06-Jul-2006	7,354,720 08-Apr-2008 <i>Attorney(s):</i> TM SW <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 20-Dec-2025
3718.1/ United States of America	ORD	11/523,067 30-Dec-2005 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Siepmann <i>Title:</i> Primer Array Synthesis and Validation	0147969 06-Jul-2006	<i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>	Published
3718.1A/ United States of America	CON	12/938,231 02-Nov-2010 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Siepmann <i>Title:</i> Primer Array Synthesis and Validation	0046343 24-Feb-2011	8,133,987 13-Mar-2012 <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 31-Dec-2024
3719.1/ United States of America	ORD	11/524,834 03-Jan-2006 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Philip L. McGarrigle <i>Title:</i> Parallel Preparation of High Fidelity Probes in an Array Format	0147971 06-Jul-2006	7,547,775 16-Jun-2009 <i>Attorney(s):</i> LK <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 03-Jan-2026



Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3719.1A/ United States of America	DIV	12/560,945 28-Jan-2009 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Lisa Kajisa <i>Title:</i> Parallel Preparation of High Fidelity Probes in an Array Format	0192050 30-Jul-2009	7,803,934 28-Sep-2010 <i>Attorney(s):</i> LK <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 31-Dec-2024
3719.1B/ United States of America	DIV	12/855,450 12-Aug-2010 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Siepmann <i>Title:</i> Parallel Preparation of High Fidelity Probes in an Array Format	0305006 02-Dec-2010	8,034,912 11-Oct-2011 <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 31-Dec-2024
3719.1C/ United States of America	CON	12/938,262 02-Nov-2010 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Siepmann <i>Title:</i> Parallel Preparation of High Fidelity Probes in an Array Format	0046344 24-Feb-2011	8,101,737 24-Jan-2012 <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 31-Dec-2024
3719.1D/ United States of America	CON	13/316,254 09-Dec-2011 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Siepmann <i>Title:</i> Parallel Preparation of High Fidelity Probes in an Array Format			Pending

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3721/ Australia	ORD	15304/97 08-Jan-1997 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Wei Zhou <i>Title:</i> Analytical biochemistry system with robotically carried bioarray (Beckman)		734126 20-Sep-2001 <i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 08-Jan-2017
3721/ United States of America	ORD	08/586,116 16-Jan-1996 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Wei Zhou <i>Title:</i> Analytical biochemistry system with robotically carried bioarray (Beckman)		6,660,233 09-Dec-2003 <i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 16-Jan-2016
3721A1/ United States of America	CON	11/670,165 01-Feb-2007 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Analytical biochemistry system with robotically carried bioarray (Beckman)	0128084 07-Jun-2007		Published
3722.2/ China (People's Republic)	UTM	20112568.3 24-Apr-2006 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Michael Verga <i>Title:</i> Methods and Devices for Reading Microarray		20112568.3 21-May-2008 <i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 24-Apr-2016

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3722.2/ United States of America	ORD	11/379,641 21-Apr-2006	0253035 09-Nov-2006		Published
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Steve Yee  
*Attorney(s):* SY  
*Division Ref:*  
*Agent Ref:*

*Title:* Methods and Devices for Reading Microarray

3723.1/ United States of America	ORD	11/381,125 01-May-2006	0292597 28-Dec-2006	7,452,671 18-Nov-2008	Granted 01-May-2026
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Sandra Wells  
*Attorney(s):* SW  
*Division Ref:*  
*Agent Ref:*

*Title:* Methods for Genotyping with Selective Adaptor Ligation

3723.1A/ United States of America	CON	12/272,370 17-Nov-2008	0075345 19-Mar-2009	8,133,667 13-Mar-2012	Granted 29-Apr-2025
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Sandra Wells  
*Attorney(s):* SW  
*Division Ref:*  
*Agent Ref:*

*Title:* Methods for Genotyping with Selective Adaptor Ligation

3723.1B/ United States of America	CON	13/365,825 03-Feb-2012			Pending
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Sandra Wells  
*Attorney(s):* SW  
*Division Ref:*  
*Agent Ref:*

*Title:* Methods for Genotyping with Selective Adaptor Ligation

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3728.1/ United States of America	ORD	11/614,896 21-Dec-2006	0238185 11-Oct-2007	7,951,601 31-May-2011	Granted 26-Nov-2028
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steve Yee <i>Title:</i> Oxide Layers on Silicon Substrates for Effective Confocal Laser Microscopy					
3728.1A/ United States of America	CON	13/015,041 27-Jan-2011	0183869 28-Jul-2011		Allowed
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steve Yee <i>Title:</i> Oxide Layers on Silicon Substrates for Effective Confocal Laser Microscopy					
3733.1/A China (People's Republic)	UTM	20100051.2 06-Apr-2006		20100051.2 16-Jan-2008	Granted 06-Apr-2016
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Wei Zhou <i>Title:</i> Fluidic System and Method for Processing Biological Microarrays in Personal Instrumentation					
3733.1A/ United States of America	CON	12/632,429 07-Dec-2009	0081583 01-Apr-2010		Published
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steve Yee <i>Title:</i> Fluidic System and Method for Processing Biological Microarrays in Personal Instrumentation					

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3733.2/ China (People's Republic)	ORD	10073721.0 06-Apr-2006			Pending
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steve Yee <i>Title:</i> System and Method for Processing Large Number of Biological Microarrays			<i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>
3733.2/A China (People's Republic)	UTM	20100050.8 06-Apr-2006		20100050.8 26-Mar-2008	Granted 06-Apr-2016
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Wei Zhou <i>Title:</i> System and Method for Processing Large Number of Biological Microarrays			<i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>
3733.2A/ United States of America	CON	12/481,852 10-Jun-2009	0069265 18-Mar-2010		Published
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steve Yee <i>Title:</i> System and Method for Processing Large Number of Biological Microarrays			<i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>
3740.2/ United States of America	ORD	11/421,941 02-Jun-2006	0275805 07-Dec-2006	7,962,289 14-Jun-2011	Granted 31-May-2029
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steve Yee <i>Title:</i> SYSTEM, METHOD, AND COMPUTER PRODUCT FOR EXON ARRAY ANALYSIS			<i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3740.3/ United States of America	CON	13/101,773 05-May-2011	0213560 01-Sep-2011		Allowed
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Steve Yee

*Attorney(s):* SY  
*Division Ref:*  
*Agent Ref:*

*Title:* SYSTEM, METHOD, AND COMPUTER PRODUCT FOR EXON ARRAY ANALYSIS

3743.1/ United States of America	ORD	11/769,600 27-Jun-2007	0232657 25-Sep-2008	8,009,889 30-Aug-2011	Granted 16-Feb-2030
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Sandra Wells

*Attorney(s):* SW  
*Division Ref:*  
*Agent Ref:*

*Title:* Feature Intensity Reconstruction of Biological Probe Array

3743.2/ United States of America	CON	13/186,167 19-Jul-2011	0274328 10-Nov-2011		Published
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Sandra Wells

*Attorney(s):* SY  
*Division Ref:*  
*Agent Ref:*

*Title:* Feature Intensity Reconstruction of Biological Probe Array

3744.1/ United States of America	CIP	11/457,452 13-Jul-2006	0016382 18-Jan-2007	7,881,875 01-Feb-2011	Granted 16-May-2027
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Sandra Wells

*Attorney(s):* SW  
*Division Ref:*  
*Agent Ref:*

*Title:* Methods for Selecting a Collection of Single Nucleotide Polymorphisms

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3744.2/ United States of America	DIV	13/007,471 14-Jan-2011	0160092 30-Jun-2011		Published
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Methods for Selecting a Collection of Single Nucleotide Polymorphisms			<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>
3753.1/ United States of America	ORD	11/614,948 21-Dec-2006	0217710 08-Sep-2011		Published
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Methods for Genotyping			<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>
3753.2/ United States of America	CIP	13/176,437 05-Jul-2011	0010087 12-Jan-2012		Published
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Methods for Genotyping			<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>
3757.1/ United States of America	ORD	11/538,054 02-Oct-2006	0148667 28-Jun-2007	7,962,291 14-Jun-2011	Granted 26-Sep-2028
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steve Yee <i>Title:</i> Methods and Computer Software for Detecting Splice Variant			<i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>

Patent List

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3757.2/ United States of America	DIV	13/100,397 04-May-2011	0208500 25-Aug-2011	8,170,808 01-May-2012	Granted
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Steve Yee  
*Title:* Methods and Computer Software for Detecting Splice Variant  
*Attorney(s):* SY  
*Division Ref:*  
*Agent Ref:*

3757.3/ United States of America	CON	13/431,021 27-Mar-2012			Pending
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Steve Yee  
*Title:* Methods and Computer Software for Detecting Splice Variant  
*Attorney(s):* SY  
*Division Ref:*  
*Agent Ref:*

3758.3/ United States of America	CON	12/887,087 21-Sep-2010	0009297 13-Jan-2011		Published
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Steve Yee  
*Title:* Consumable Elements for Use with Fluid Processing and Detection Systems  
*Attorney(s):* SY  
*Division Ref:*  
*Agent Ref:*

3760.1/ United States of America	ORD	11/553,944 27-Oct-2006	0099288 03-May-2007		Published
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Steve Yee  
*Title:* Microfluidic Methods, Devices, and Systems for Fluid Handling  
*Attorney(s):* SY  
*Division Ref:*  
*Agent Ref:*



Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3760.2/ China (People's Republic)	UTM	200620157130. 02-Nov-2006		20157130.7 26-Mar-2008	Granted 02-Nov-2016
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Wei Zhou <i>Title:</i> Microfluidic Methods, Devices, and Systems for Fluid Handling			<i>Attorney(s):</i> LK <i>Division Ref:</i> <i>Agent Ref:</i>
3763.1/ United States of America	ORD	11/617,534 28-Dec-2006	0154923 05-Jul-2007		Published
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Siepmann <i>Title:</i> Method for Gridding and Quality Control of Polymer Arrays			<i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>
3765.1/ United States of America	ORD	11/623,692 16-Jan-2007	0265366 15-Nov-2007	7,452,673 18-Nov-2008	Granted 16-Jan-2027
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Malone <i>Title:</i> Photoacid Generators for the Synthesis of Oligo-DNA in a Polymer Matrix			<i>Attorney(s):</i> TM LK <i>Division Ref:</i> <i>Agent Ref:</i>
3765.2/ United States of America	CON	12/263,623 03-Nov-2008	0062149 05-Mar-2009	7,863,344 04-Jan-2011	Granted 16-Sep-2026
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Lisa Kajisa <i>Title:</i> Photoacid Generators for the Synthesis of Oligo-DNA in a Polymer Matrix			<i>Attorney(s):</i> LK <i>Division Ref:</i> <i>Agent Ref:</i>

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3765.2A/ United States of America	CON	12/882,064 14-Sep-2010 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Siepmann <i>Title:</i> Photoacid Generators for the Synthesis of Oligo-DNA in a Polymer Matrix	0331218 30-Dec-2010	7,964,654 21-Jun-2011 <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 18-Jan-2026
3765.2B/ United States of America	CON	13/103,621 09-May-2011 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Siepmann <i>Title:</i> Photoacid Generators for the Synthesis of Oligo-DNA in a Polymer Matrix	0245110 06-Oct-2011		Allowed
3766/ China (People's Republic)	ORD	200710104535 25-May-2007 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Alston & Bird LLP <i>Title:</i> Silane Mixtures	101149379A 26-Mar-2008		Published
3769.1/ United States of America	ORD	11/619,046 02-Jan-2007 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steve Yee <i>Title:</i> Oligonucleotide Synthesis with Intermittent and Post Synthetic Oxidation	0255054 01-Nov-2007		Published

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3772.1/ United States of America	ORD	11/608,233 07-Dec-2006	0128647 07-Jun-2007	7,634,363 15-Dec-2009	Granted 07-Dec-2026
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Sandra Wells

*Attorney(s):* SW  
*Division Ref:*  
*Agent Ref:*

*Title:* Methods for High Throughput Genotyping

3772.2/ United States of America	CON	12/638,939 15-Dec-2009	0144542 10-Jun-2010	7,991,564 02-Aug-2011	Granted 07-Dec-2025
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Sandra Wells

*Attorney(s):* SW  
*Division Ref:*  
*Agent Ref:*

*Title:* Methods for High Throughput Genotyping

3772.3/ United States of America	CON	13/167,264 23-Jun-2011	0251798 13-Oct-2011		Published
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Sandra Wells

*Attorney(s):* SW  
*Division Ref:*  
*Agent Ref:*

*Title:* Methods for High Throughput Genotyping

3784.1/ United States of America	ORD	12/211,103 15-Sep-2008	0131268 21-May-2009		Published
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Sandra Wells

*Attorney(s):* SW  
*Division Ref:*  
*Agent Ref:*

*Title:* Methods for Genotyping Polymorphisms

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3785.1/ United States of America	ORD	11/627,876 26-Jan-2007	0197911 23-Aug-2007	8,055,098 08-Nov-2011	Granted 14-Apr-2030
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Sandra Wells  
**Title:** System, Method, and Product for Imaging Probe Arrays with Small Features Sizes  
**Attorney(s):** SW  
**Division Ref:**  
**Agent Ref:**

3785.2/ United States of America	CON	13/241,970 23-Sep-2011	0051663 01-Mar-2012		Published
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Sandra Wells  
**Title:** System, Method, and Product for Imaging Probe Arrays with Small Features Sizes  
**Attorney(s):** SW  
**Division Ref:**  
**Agent Ref:**

3786.2/ United States of America	ORD	11/672,034 06-Feb-2007	0057499 06-Mar-2008		Published
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Sandra Wells  
**Title:** Methods for High Specificity Whole Genome Amplification and Hybridization  
**Attorney(s):** SW  
**Division Ref:**  
**Agent Ref:**

3787.1/ United States of America	ORD	11/672,849 08-Feb-2007	0004848 03-Jan-2008		Published
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Sandra Wells  
**Title:** Direct to Consumer Genotype-Based Products and Services  
**Attorney(s):** SW  
**Division Ref:**  
**Agent Ref:**

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3788.1/ United States of America	ORD	11/674,726 14-Feb-2007	0250809 25-Oct-2007	7,818,281 19-Oct-2010	Granted 08-Feb-2029
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Lisa Kajisa <i>Title:</i> Computer Software for Visualizing Genotyping Data					
3788.1A/ United States of America	CON	12/879,419 10-Sep-2010	0060768 10-Mar-2011		Published
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steve Yee <i>Title:</i> Computer Software for Visualizing Genotyping Data					
3791.1/ United States of America	ORD	11/695,599 02-Apr-2007	0243546 18-Oct-2007	7,901,882 08-Mar-2011	Granted 16-Apr-2027
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Siepmann <i>Title:</i> Analysis of Methylation Using Nucleic Acid Arrays					
3791.1A/ United States of America	DIV	13/015,370 27-Jan-2011	0166037 07-Jul-2011		Published
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Siepmann <i>Title:</i> Analysis of Methylation Using Nucleic Acid Arrays					

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3793.1/ United States of America	ORD	11/923,649 24-Oct-2007	0151438 23-Jun-2011		Published
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Sandra Wells*Title:* Methods of Analysis of Methylation*Attorney(s):* SW*Division Ref:**Agent Ref:*

3800.1/ United States of America	ORD	11/740,409 26-Apr-2007	0255506 01-Nov-2007		Published
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Steve Yee*Title:* System, method and computer software product for instrument control and management of consumable resources*Attorney(s):* SY*Division Ref:**Agent Ref:*

3802.1/ United States of America	ORD	11/760,948 11-Jun-2007	0038714 14-Feb-2008		Published
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Steve Yee*Title:* Instrument to Pneumatically Control Lab Cards and Method Thereof*Attorney(s):* SY*Division Ref:**Agent Ref:*

3804.1/ United States of America	ORD	11/760,938 11-Jun-2007	0038713 14-Feb-2008		Published
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Steve Yee*Title:* System and Method for Biological Assay*Attorney(s):* SY*Division Ref:**Agent Ref:*

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status	Expiration Date
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3805.1/ United States of America	CIP	11/761,007 11-Jun-2007	0267335 22-Nov-2007	8,075,852 13-Dec-2011	Granted	23-Dec-2028
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Steve Yee  
*Title:* System and Method for Bubble Removal

*Attorney(s):* SY  
*Division Ref:*  
*Agent Ref:*

3805.2/ United States of America	CON	13/292,962 09-Nov-2011	0055338 08-Mar-2012		Published	
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Steve Yee  
*Title:* System and Method for Bubble Removal

*Attorney(s):* SY  
*Division Ref:*  
*Agent Ref:*

3806.1/ United States of America	CIP	11/761,062 11-Jun-2007	0267782 22-Nov-2007	8,007,267 30-Aug-2011	Granted	09-Aug-2026
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Steve Yee  
*Title:* System and Method for Making Lab Card by Embossing

*Attorney(s):* SY  
*Division Ref:*  
*Agent Ref:*

3806.2/ United States of America	CON	13/177,106 06-Jul-2011	0268832 03-Nov-2011		Published	
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Steve Yee  
*Title:* System and Method for Making Lab Card by Embossing

*Attorney(s):* SY  
*Division Ref:*  
*Agent Ref:*

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3823.1/ United States of America	ORD	12/822,179 23-Jun-2010	0323914 23-Dec-2010		Published
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**Owner Name:** Affymetrix, Inc.**Division:** Affymetrix**Agent Name:** Tom Siepmann**Title:** Enzymatic methods for genotyping on arrays**Attorney(s):** TS**Division Ref:****Agent Ref:**

3829.1/ United States of America	ORD	11/777,914 13-Jul-2007	0020938 24-Jan-2008	7,803,609 28-Sep-2010	Granted 31-Dec-2028
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**Owner Name:** Affymetrix, Inc.**Division:** Affymetrix**Agent Name:** Lisa Kajisa**Title:** System, Method and Product for Generating Patterned Illumination**Attorney(s):** LK**Division Ref:****Agent Ref:**

3829.1A/ United States of America	CON	12/788,151 26-May-2010	0234235 16-Sep-2010		Published
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**Owner Name:** Affymetrix, Inc.**Division:** Affymetrix**Agent Name:** Sandra Wells**Title:** System, Method and Product for Generating Patterned Illumination**Attorney(s):** SW**Division Ref:****Agent Ref:**

3831.1/ United States of America	ORD	11/874,848 18-Oct-2007	0131894 05-Jun-2008		Published
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**Owner Name:** Affymetrix, Inc.**Division:** Affymetrix**Agent Name:** Sandra Wells**Title:** Enzymatic methods for genotyping on arrays**Attorney(s):** SW**Division Ref:****Agent Ref:**



Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3833.1/ United States of America	ORD	12/143,754 20-Jun-2008 Affymetrix, Inc. Affymetrix Sandra Wells	0098547 16-Apr-2009		Published
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Sandra Wells  
*Title:* Methods for Identifying DNA Copy Number Changes Using Hidden Markov Model Based Estimations

*Attorney(s):* SW  
*Division Ref:*  
*Agent Ref:*

Pending

3835.1/ United States of America	ORD	11/867,879 05-Oct-2007 Affymetrix, Inc. Affymetrix Steve Yee			Pending
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Steve Yee  
*Title:* Fabrication of Fluidic Features within a plastic substrate

*Attorney(s):* SY  
*Division Ref:*  
*Agent Ref:*

3837.1/ United States of America	ORD	12/016,195 17-Jan-2008 Affymetrix, Inc. Affymetrix Sandra Wells	0199916 21-Aug-2008	7,862,999 04-Jan-2011	Granted 29-Jun-2028
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Sandra Wells  
*Title:* Multiplex Targeted Amplification Using Flap Nuclease

*Attorney(s):* SW  
*Division Ref:*  
*Agent Ref:*

Published

3837.1A/ United States of America	CON	12/972,208 17-Dec-2010 Affymetrix, Inc. Affymetrix Steve Yee	0124052 26-May-2011		Published
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix  
*Agent Name:* Steve Yee  
*Title:* Multiplex Targeted Amplification Using Flap Nuclease

*Attorney(s):* SY  
*Division Ref:*  
*Agent Ref:*

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status	Expiration Date
3839.1/ United States of America	ORD	12/123,463 19-May-2008 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> System, Method, and Computer Software Product for Genotype Determination Using Probe Array Data	0287308 20-Nov-2008	8,200,440 12-Jun-2012 <i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 19-May-2028	
3839.2/ United States of America	CON	13/468,604 10-May-2012 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> System, Method, and Computer Software Product for Genotype Determination Using Probe Array Data			Pending	
3840.1/ United States of America	ORD	12/134,857 06-Jun-2008 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steve Yee <i>Title:</i> System and Method for Multiplex Liquid Handling	0311585 18-Dec-2008		Published	
3843.1/ United States of America	ORD	12/127,770 27-May-2008 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Multiplex Locus Specific Amplification	0293589 27-Nov-2008		Published	

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3844.1/ United States of America	ORD	12/211,100 15-Sep-2008 Affymetrix, Inc. Affymetrix Tom Siepmann	0117573 07-May-2009		Published
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Siepmann <i>Title:</i> Locus Specific Amplification Using Arrayed Probes			<i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>
3846.1/ United States of America	ORD	12/402,486 11-Mar-2009 Affymetrix, Inc. Affymetrix Sandra Wells	0239764 24-Sep-2009		Published
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Array-Based Translocation and Rearrangement Assays			<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>
3849.1/ United States of America	ORD	12/398,177 04-Mar-2009 Affymetrix, Inc. Affymetrix Sandra Wells	0233809 17-Sep-2009		Published
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Resequencing Methods for Identification of Sequence Variants			<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>
3850/ United States of America	ORD	09/980,194 23-Jul-2002 Affymetrix, Inc. Affymetrix Philip L. McGarrigle	6,819,843 16-Nov-2004		Granted 23-Jul-2022
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Philip L. McGarrigle <i>Title:</i> Device and Method for Photolithographically Irradiating Biological Substances			<i>Attorney(s):</i> PLM <i>Division Ref:</i> <i>Agent Ref:</i>

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3851.1/ United States of America	ORD	12/494,159 29-Jun-2009 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Siepmann <i>Title:</i> Water Soluble Cholesterol Derivatives	0016563 21-Jan-2010	8,071,759 06-Dec-2011 <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 29-Jan-2030
3851.2/ United States of America	CON	13/280,127 24-Oct-2011 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Siepmann <i>Title:</i> Water Soluble Cholesterol Derivatives	0041182 16-Feb-2012	8,071,759 06-Dec-2011 <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>	Published
3852.1/ European Patent Convention	PCT	05764400 30-Jun-2005 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steven J. Solomon - Peame & Gordon LLP <i>Title:</i> Novel Hot Start Nucleic Acid Amplification	EP1778866 02-May-2007	1778866 05-Oct-2011 <i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 30-Jun-2025
3852.1/ France	EPP	05764400 30-Jun-2005 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steven J. Solomon - Peame & Gordon LLP <i>Title:</i> Novel Hot Start Nucleic Acid Amplification	EP1778866 02-May-2007	1778866 05-Oct-2011 <i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 30-Jun-2025

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3852.1/ Germany	EPP	05764400 30-Jun-2005 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steven J. Solomon - Peame & Gordon LLP <i>Title:</i> Novel Hot Start Nucleic Acid Amplification	EP1778866 02-May-2007	1778866 05-Oct-2011 <i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 30-Jun-2025
3852.1/ Japan	PCT	2007-519541 30-Jun-2005 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steven J. Solomon - Peame & Gordon LLP <i>Title:</i> Novel Hot Start Nucleic Acid Amplification	06/005074 12-Jan-2006	1778866 <i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>	Published
3852.1/ Norway	PCT	20065470 30-Jun-2005 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steven J. Solomon - Peame & Gordon LLP <i>Title:</i> Novel Hot Start Nucleic Acid Amplification	06/005074 12-Jan-2006	1778866 <i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>	Published
3852.1/ United Kingdom	EPP	05764400 30-Jun-2005 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steven J. Solomon - Peame & Gordon LLP <i>Title:</i> Novel Hot Start Nucleic Acid Amplification	EP1778866 02-May-2007	1778866 05-Oct-2011 <i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 30-Jun-2025

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3852.1/ United States of America	ORD	11/171,008 29-Jun-2005	0029952 09-Feb-2006	7,700,281 20-Apr-2010	Granted 29-Jun-2025
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Steven J. Solomon - Pearne & Gordon LLP*Title:* Novel Hot Start Nucleic Acid Amplification*Attorney(s):* SY*Division Ref:**Agent Ref:*

3852.2/ United States of America	DIV	11/939,820 14-Nov-2007	0138878 12-Jun-2008	7,951,534 31-May-2011	Granted
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Steven J. Solomon - Pearne & Gordon LLP*Title:* Novel Hot Start Nucleic Acid Amplification*Attorney(s):* SW*Division Ref:**Agent Ref:*

3852.3/ European Patent Convention	DIV	11163362.4 21-Apr-2011			Pending
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Steven J. Solomon - Pearne & Gordon LLP*Title:* Novel Hot Start Nucleic Acid Amplification*Attorney(s):* SY*Division Ref:**Agent Ref:*

3852.3/ United States of America	CON	13/074,752 29-Mar-2011	0189736 04-Aug-2011		Published
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*Owner Name:* Affymetrix, Inc.*Division:* Affymetrix*Agent Name:* Steven J. Solomon - Pearne & Gordon LLP*Title:* Novel Hot Start Nucleic Acid Amplification*Attorney(s):* SY*Division Ref:**Agent Ref:*

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3853.1/ Canada	PCT	2,403,438 20-Mar-2001	2001/70943 27-Sep-2001	2,403,438 21-Oct-2008	Granted 20-Mar-2021
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix

*Agent Name:* Steven J. Solomon - Pearne & Gordon LLP

*Title:* Stable Composition Comprising a Nuclease and a Phosphatase

*Attorney(s):* SY  
*Division Ref:*  
*Agent Ref:*

3853.1/ European Patent Convention	PCT	01924218.9 20-Mar-2001	2001/70943 27-Sep-2001		Published
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix

*Agent Name:* Steven J. Solomon - Pearne & Gordon LLP

*Title:* Stable Composition Comprising a Nuclease and a Phosphatase

*Attorney(s):* SY  
*Division Ref:*  
*Agent Ref:*

3853.1/ Japan	PCT	2001-569326 20-Mar-2001	2004501611 27-Sep-2001	3803295 12-May-2006	Granted 20-Mar-2021
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix

*Agent Name:*

*Title:* Stable Composition Comprising a Nuclease and a Phosphatase

*Attorney(s):* SY  
*Division Ref:*  
*Agent Ref:*

3853.1/ United States of America	ORD	09/812,808 20-Mar-2001	0051362 13-Dec-2001	6,379,940 30-Apr-2002	Granted 20-Mar-2021
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*Owner Name:* Affymetrix, Inc.  
*Division:* Affymetrix

*Agent Name:* Steven J. Solomon - Pearne & Gordon LLP

*Title:* Stable Composition Comprising a Nuclease and a Phosphatase

*Attorney(s):* SY  
*Division Ref:*  
*Agent Ref:*

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3853.2/ United States of America	DIV	09/9/19,544 31-Jul-2001	0004235 10-Jan-2002	6,387,634 14-May-2002	Granted
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steven J. Solomon - Pearne & Gordon LLP <i>Title:</i> Stable Composition Comprising a Nuclease and a Phosphatase					
3854/ United States of America	ORD	08/279,374 22-Jul-1994		5,674,987 07-Oct-1997	Granted 07-Oct-2014
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steven J. Solomon - Pearne & Gordon LLP <i>Title:</i> Extraction of Proteins from Naturally Occurring Membranes					
3854.1/ United States of America	CON	08/747,670 12-Nov-1996		5,763,586 09-Jun-1998	Granted
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steven J. Solomon - Pearne & Gordon LLP <i>Title:</i> Extraction of Proteins from Naturally Occurring Membranes					
3856.1/ United States of America	ORD	12/690,101 19-Jan-2010	0184618 22-Jul-2010		Published
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Siepmann <i>Title:</i> DNA Ligation on RNA Template					



Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3857.2C/ United States of America	CIP	13/337,024 23-Dec-2011 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> True Materials, Inc. <i>Agent Name:</i> Tom Siepmann <i>Title:</i> Miniaturized Microparticles			Pending
3857.3C/ United States of America	CIP	13/336,699 23-Dec-2011 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> True Materials, Inc. <i>Agent Name:</i> Tom Siepmann <i>Title:</i> Brownian Microbarcodes for Bioassays			Pending
3857.5b/ United States of America	CON	13/340,254 29-Dec-2011 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> True Materials, Inc. <i>Agent Name:</i> Cooley LLP <i>Title:</i> Multiple Step Printing Methods for Microbarcodes			Pending
3859.1/ China (People's Republic)	PCT	200880101407 25-Jun-2008 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> True Materials, Inc. <i>Agent Name:</i> Cooley LLP <i>Title:</i> Encoded Microparticles	09/014848 29-Jan-2009		Published

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3859.1/ European Patent Convention	PCT	08826571.5 25-Jun-2008	09/014848 29-Jan-2009		Published
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> True Materials, Inc. <i>Agent Name:</i> Cooley LLP <i>Title:</i> Encoded Microparticles			<i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>
3859.1/ United States of America	ORD	12/215,607 25-Jun-2008	0149340 11-Jun-2009		Published
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> True Materials, Inc. <i>Agent Name:</i> Cooley LLP <i>Title:</i> Encoded Microparticles			<i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>
3860.1/ United States of America	ORD	12/643,864 21-Dec-2009	0161266 24-Jun-2010		Published
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> System, Method, and Product for Calibrating Inspection Tools			<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>
3863.1/ United States of America	ORD	12/687,677 14-Jan-2010	0184156 22-Jul-2010	8,129,168 06-Mar-2012	Granted 14-Jan-2030
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steve Yee <i>Title:</i> Recombinant Colwellia Psychrethraea Alkaline Phosphatase and Uses Thereof			<i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status	Expiration Date
3863.1/ United States of America	DIV	13/356,268 23-Jan-2012	0142061 07-Jun-2012		Published	
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steve Yee <i>Title:</i> Recombinant Colwellia Psychrerythraea Alkaline Phosphatase and Uses Thereof				<i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>
3865.1/ United States of America	ORD	12/986,986 07-Jan-2011	0257896 20-Oct-2011		Published	
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Stepmann <i>Title:</i> Differential Filtering of Genetic Data				<i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>
3866.1/ United States of America	ORD	12/963,593 08-Dec-2010	0136699 09-Jun-2011		Published	
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Manufacturing and Processing Polymer Arrays				<i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>
3868.1/ United States of America	ORD	12/749,330 29-Mar-2010	0248981 30-Sep-2010		Published	
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steve Yee <i>Title:</i> System and Methods for Processing Microarrays				<i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3870.1/ United States of America	ORD	12/786,287 24-May-2010	0298171 25-Nov-2010		Published
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steve Yee <i>Title:</i> Apparatus for polymer synthesis			<i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>
3871.1/ United States of America	ORD	12/986,545 07-Jan-2011	0237449 29-Sep-2011		Published
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steve Yee <i>Title:</i> Methods and compositions for nucleic acid purification			<i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>
3872.1/ United States of America	ORD	12/780,825 14-May-2010	0296727 25-Nov-2010		Published
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Siepmann <i>Title:</i> Methods and devices for reading microarrays			<i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>
3874.1/ United States of America	ORD	12/848,916 02-Aug-2010	0143966 16-Jun-2011		Published
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Siepmann <i>Title:</i> Surface Modifications and Methods for their Synthesis and Use			<i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3874.2/ United States of America	CON	12/967,963 14-Dec-2010 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Cooley LLP <i>Title:</i> Surface Modifications and Methods for their Synthesis and Use	0143967 16-Jun-2011		Published <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>
3876.1/ United States of America	ORD	12/847,570 30-Jul-2010 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steve Yee <i>Title:</i> Hybridization Device, Methods, and System Using Mixing Beads	0028552 03-Feb-2011		Published <i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>
3877.1/ United States of America	ORD	13/157,268 09-Jun-2011 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Alston & Bird LLP <i>Title:</i> Systems and methods for processing sensor modules	0303027 15-Dec-2011		Published <i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>
3878.1/ United States of America	ORD	13/529,175 16-Dec-2011 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steve Yee <i>Title:</i> Methods and Compositions for Selective Labeling of Different Biotinylated Targets within Multicolor or Multilabel Assays			Pending <i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3879.1/ United States of America	ORD	12/861,783 23-Aug-2010 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steve Yee <i>Title:</i> Poly(A) tail length measurement by PCR	0059453 10-Mar-2011		Published  <i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>
3880.1/ United States of America	ORD	12/899,540 06-Oct-2010 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Amplification and analysis of selected targets on solid supports	0269631 03-Nov-2011		Published  <i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>
3881.1/ United States of America	ORD	13/118,363 27-May-2011 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Multiple Amplification Methods	0294689 01-Dec-2011		Published  <i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>
3884.1/ United States of America	ORD	13/329,170 16-Dec-2011 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steve Yee <i>Title:</i> Apparatuses, Systems and Methods for the Attachment of Substrates to Support with Light Curable Adhesives			Pending  <i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3885.1/ United States of America	ORD	13/192,451 27-Jul-2011 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Methods and Compositions for Analysis of Nucleic Acids	0028826 02-Feb-2012		Published
3886.1/ United States of America	ORD	13/175,582 01-Jul-2011 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Siepmann <i>Title:</i> Detection of Nucleic Acids	0052498 01-Mar-2012		Published
3887.2/ United States of America	ORD	13/176,669 05-Jul-2011 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Siepmann <i>Title:</i> Detection of Nucleic Acids and Proteins	0004132 05-Jan-2012		Published
3889.1/ United States of America	ORD	13/175,393 01-Jul-2011 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Siepmann <i>Title:</i> Signal Multiplexing and Signal Amplification	0003648 05-Jan-2012		Published

*Attorney(s):* SY  
*Division Ref:*  
*Agent Ref:*

*Attorney(s):* TS  
*Division Ref:*  
*Agent Ref:*

*Attorney(s):* TS  
*Division Ref:*  
*Agent Ref:*

*Attorney(s):* TS  
*Division Ref:*  
*Agent Ref:*

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3890.1/ United States of America	ORD	13/183,282 14-Jul-2011 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Siepmann <i>Title:</i> Cleaning Solution	0015862 19-Jan-2012		Published <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>
3891.1/ United States of America	ORD	13/197,688 03-Aug-2011 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steve Yee <i>Title:</i> Devices, systems and methods for processing magnetic particles	0034703 09-Feb-2012		Published <i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>
3892.1/ United States of America	ORD	13/342,912 03-Jan-2012 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Siepmann <i>Title:</i> Methods of Labeling Cells, Labeled Cells, and Uses Thereof			Pending <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>
3893.1/ United States of America	ORD	13/272,090 12-Oct-2011 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Siepmann <i>Title:</i> Maltoside and Phosphocholine Derivatives, uses thereof and Methods of Preparing Artificial Lipid Structures thereof			Pending <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>



Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status	Expiration Date
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3895.1/  
United States of America

ORD 13/342,392  
03-Jan-2012

**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Tom Siepmann  
**Title:** Detection of Nucleic Acids

**Attorney(s):** TS  
**Division Ref:**  
**Agent Ref:**

Pending

3896.1/  
United States of America

ORD 13/426,589  
21-Mar-2012

**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Sandra Wells  
**Title:** Methods for synthesizing pools of probes

**Attorney(s):** SY  
**Division Ref:**  
**Agent Ref:**

Pending

3898/  
United States of America

PRO 61/546,872  
13-Oct-2011

**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Steve Yee  
**Title:** Methods, systems and Apparatuses for Testing and Calibrating Fluorescent Scanners

**Attorney(s):** SY  
**Division Ref:**  
**Agent Ref:**

Pending  
13-Oct-2012

3899/  
United States of America

PRO 61/498,527  
17-Jun-2011

**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Sandra Wells  
**Title:** Circulating miRNA Biomarker Signatures

**Attorney(s):** SW  
**Division Ref:**  
**Agent Ref:**

Pending  
17-Jun-2012

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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3902/ United States of America	PRO	61/562,357 21-Nov-2011			Pending 21-Nov-2012
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Steve Yee  
**Attorney(s):** SY  
**Division Ref:**  
**Agent Ref:**  
**Title:** Compositions, Methods and Systems for Manufacturing and Using Microarray Chiplets

3903/ United States of America	ORD	13/335,677 22-Dec-2011			Pending
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Alston & Bird LLP  
**Attorney(s):** TS  
**Division Ref:**  
**Agent Ref:**  
**Title:** Surface Linkers for Array Synthesis

3906/ United States of America	PRO	61/564,754 29-Nov-2011			Pending 29-Nov-2012
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**Owner Name:** Affymetrix, Inc.  
**Division:** Affymetrix  
**Agent Name:** Tom Siepmann  
**Attorney(s):** TS  
**Division Ref:**  
**Agent Ref:**  
**Title:** Analysis of data obtained from microarrays

3909/ United States of America	PRO	61/536,836 20-Sep-2011			Pending 20-Sep-2012
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**Owner Name:** Affymetrix and Genisphere  
**Division:** Affymetrix  
**Agent Name:** Diehl Servilla LLC  
**Attorney(s):** SW  
**Division Ref:**  
**Agent Ref:**  
**Title:** miRNA Biomarkers for Ulcerative Colitis

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
3910/ United States of America	PRO	61/578,405 21-Dec-2011 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Tom Siepmann <i>Title:</i> Biological Assays Using Encoded Microparticles			Pending 21-Dec-2012 <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>
3911/ United States of America	PRO	61/582,091 30-Dec-2011 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Steve Yee <i>Title:</i> Apparatuses, systems and methods for packaging, processing and analyzing microarrays			Pending 30-Dec-2012 <i>Attorney(s):</i> SY <i>Division Ref:</i> <i>Agent Ref:</i>
4010.1/ European Patent Convention	PCT	02803689.5 19-Nov-2002 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Lisa Treannie <i>Title:</i> Multiplex PCR (501.01)	1453979 08-Sep-2004	1453979 04-Jan-2012 <i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 19-Nov-2022
4010.1/ France	EPP	02803689.5 19-Nov-2002 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> <i>Title:</i> Multiplex PCR (501.01)	1453979 08-Sep-2004	1453979 04-Jan-2012 <i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 19-Nov-2022

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
4010.1/ Germany	EPP	02803689.5 19-Nov-2002	1453979 08-Sep-2004	60241918.2 04-Jan-2012	Granted 19-Nov-2022
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i>					
<i>Title:</i> Multiplex PCR (501.01)					
4010.1/ Italy	EPP	02803689.5 19-Nov-2002	1453979 08-Sep-2004	1453979 04-Jan-2012	Granted 19-Nov-2022
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i>					
<i>Title:</i> Multiplex PCR (501.01)					
4010.1/ Netherlands	EPP	02803689.5 19-Nov-2002	1453979 08-Sep-2004	1453979 04-Jan-2012	Granted 19-Nov-2022
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i>					
<i>Title:</i> Multiplex PCR (501.01)					
4010.1/ United Kingdom	EPP	02803689.5 19-Nov-2002	1453979 08-Sep-2004	1453979 04-Jan-2012	Granted 19-Nov-2022
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Affymetrix					
<i>Agent Name:</i>					
<i>Title:</i> Multiplex PCR (501.01)					

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
4010.1/ United States of America	ORD	10/300,285 19-Nov-2002 <i>Owner Name:</i> Affymetrix, Inc <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Multiplex PCR (501.01)	0104459 05-Jun-2003	7,510,829 31-Mar-2009 <i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 19-Nov-2022
4011.2/ European Patent Convention	PCT	03770601.7 30-Sep-2003 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Sandra Wells <i>Title:</i> Polynucleotide Synthesis and Labeling by Kinetic Sampling Ligation (502.02)	1551986 13-Jul-2005		Published PJD <i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>
4015.1/ China (People's Republic)	PRI	02826591.2 19-Nov-2002 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Lisa Treanin <i>Title:</i> Multiplex oligonucleotide addition and target amplification (506.01)	1610758A 27-Apr-2005	ZL02826591. 25-Jun-2008 <i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 19-Nov-2022
4015.1/ European Patent Convention	PRI	02803690.3 19-Nov-2002 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Lisa Treanin <i>Title:</i> Multiplex oligonucleotide addition and target amplification (506.01)	1456416 15-Sep-2004	1456416 11-Mar-2009 <i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i> K1857EPS3	Granted

Case Number/ Country Name	Subcase	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status	Expiration Date
4015.1/ France		EPC	02803690.3 19-Nov-2002 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>	1456416 15-Sep-2004 <i>Title:</i> Multiplex oligonucleotide addition and target amplification (506.01)	1456416 11-Mar-2009 <i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 19-Nov-2022	
4015.1/ United Kingdom		EPC	02803690.3 19-Nov-2002 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i>	1456416 15-Sep-2004 <i>Title:</i> Multiplex oligonucleotide addition and target amplification (506.01)	1456416 11-Mar-2009 <i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 19-Nov-2022	
4015.1/ United States of America		ORD	10/300,311 19-Nov-2002 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Affymetrix <i>Agent Name:</i> Lisa Treannie	0096291 22-May-2003 <i>Title:</i> Multiplex oligonucleotide addition and target amplification (506.01)	7,208,295 24-Apr-2007 <i>Attorney(s):</i> SW <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 19-Nov-2022	
4200.1/ Australia		PCT	2003295683 17-Nov-2003 <i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Panomics, Inc. <i>Agent Name:</i> Quine Intellectual Property Law Group, P.C.	2004046339 03-Jun-2004 <i>Title:</i> Caged Sensors, Regulators and Compounds and Uses Thereof	2003295683 13-Mar-2008 <i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>	Granted 17-Nov-2023	

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
4200.1/ European Patent Convention	PCT	3786884.1 17-Nov-2003	2004046339 03-Jun-2004	1567662 03-Mar-2010	Granted 17-Nov-2023
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Panomics, Inc.					
<i>Agent Name:</i> Quine Intellectual Property Law Group, P.C.					
<i>Title:</i> Caged Sensors, Regulators and Compounds and Uses Thereof					
4200.1/ Germany	EPP	3786884.1 17-Nov-2003	2004046339 03-Jun-2004	1567662 03-Mar-2010	Granted 17-Nov-2023
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Panomics, Inc.					
<i>Agent Name:</i> Quine Intellectual Property Law Group, P.C.					
<i>Title:</i> Caged Sensors, Regulators and Compounds and Uses Thereof					
4200.1/ United Kingdom	EPP	3786884.1 17-Nov-2003	2004046339 03-Jun-2004	1567662 03-Mar-2010	Granted 17-Nov-2023
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Panomics, Inc.					
<i>Agent Name:</i> Quine Intellectual Property Law Group, P.C.					
<i>Title:</i> Caged Sensors, Regulators and Compounds and Uses Thereof					
4200.1/ United States of America	ORD	10/716,174 17-Nov-2003	0166553 26-Aug-2004	7,541,193 02-Jun-2009	Granted 17-Nov-2023
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Panomics, Inc.					
<i>Agent Name:</i> Quine Intellectual Property Law Group, P.C.					
<i>Title:</i> Caged Sensors, Regulators and Compounds and Uses Thereof					

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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4201.1A/ United States of America	CON	12/001,033 07-Dec-2007			Pending
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*Owner Name:* Affymetrix, Inc. *Attorney(s):* TS

*Division:* Panomics, Inc. *Division Ref:*

*Agent Name:* Tom Siepmann *Agent Ref:*

*Title:* RNAi-based Sensors Caged Interfering RNAs, and Methods of Use Thereof

4202.1/ United States of America	ORD	10/716,176 17-Nov-2003	0051706 10-Mar-2005	7,271,886 18-Sep-2007	Granted 17-Nov-2023
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*Owner Name:* Affymetrix, Inc. *Attorney(s):* TS

*Division:* Panomics, Inc. *Division Ref:*

*Agent Name:* Quine Intellectual Property Law Group, P.C. *Agent Ref:*

*Title:* Uncaging Devices

4202.2/ United States of America	DIV	11/893,012 13-Aug-2007	0030713 07-Feb-2008	7,551,271 23-Jun-2009	Granted
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*Owner Name:* Affymetrix, Inc. *Attorney(s):* TS

*Division:* Panomics, Inc. *Division Ref:*

*Agent Name:* Quine Intellectual Property Law Group, P.C. *Agent Ref:*

*Title:* Uncaging Devices

4215.1/ European Patent Convention	PCT	6759834.2 11-May-2006		1880025 16-Mar-2011	Granted 11-May-2026
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*Owner Name:* Affymetrix, Inc. *Attorney(s):* TS

*Division:* Panomics, Inc. *Division Ref:*

*Agent Name:* Quine Intellectual Property Law Group, P.C. *Agent Ref:*

*Title:* Multiplex branched-chain DNA assays



Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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4215.1/ France	EPP	6759834.2 11-May-2006		1880025 16-Mar-2011	Granted 11-May-2026
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*Owner Name:* Affymetrix, Inc.*Division:* Panomics, Inc.*Agent Name:* Quine Intellectual Property Law Group, P.C.*Title:* Multiplex branched-chain DNA assays*Attorney(s):* TS*Division Ref:**Agent Ref:*

4215.1/ Germany	EPP	6759834.2 11-May-2006		1880025 16-Mar-2011	Granted 11-May-2026
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*Owner Name:* Affymetrix, Inc.*Division:* Panomics, Inc.*Agent Name:* Quine Intellectual Property Law Group, P.C.*Title:* Multiplex branched-chain DNA assays*Attorney(s):* TS*Division Ref:**Agent Ref:*

4215.1/ Italy	EPP	6759834.2 11-May-2006		1880025 16-Mar-2011	Granted 11-May-2026
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*Owner Name:* Affymetrix, Inc.*Division:* Panomics, Inc.*Agent Name:* Quine Intellectual Property Law Group, P.C.*Title:* Multiplex branched-chain DNA assays*Attorney(s):* TS*Division Ref:**Agent Ref:*

4215.1/ Netherlands	EPP	6759834.2 11-May-2006		1880025 16-Mar-2011	Granted 11-May-2026
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*Owner Name:* Affymetrix, Inc.*Division:* Panomics, Inc.*Agent Name:* Quine Intellectual Property Law Group, P.C.*Title:* Multiplex branched-chain DNA assays*Attorney(s):* TS*Division Ref:**Agent Ref:*

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
4215.1/ United Kingdom	EPP	6759834.2 11-May-2006		1880025 16-Mar-2011	Granted 11-May-2026
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Panomics, Inc.					
<i>Agent Name:</i> Quine Intellectual Property Law Group, P.C.					
<i>Title:</i> Multiplex branched-chain DNA assays					
4215.1/ United States of America	ORD	11/433,081 11-May-2006	0286583 21-Dec-2006	7,803,541 28-Sep-2010	Granted 11-May-2026
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Panomics, Inc.					
<i>Agent Name:</i> Quine Intellectual Property Law Group, P.C.					
<i>Title:</i> Multiplex branched-chain DNA assays					
4215.1A/ United States of America	CON	12/804,904 29-Jul-2010	0105351 05-May-2011		Published
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Panomics, Inc.					
<i>Agent Name:</i> Quine Intellectual Property Law Group, P.C.					
<i>Title:</i> Multiplex branched-chain DNA assays					
4216.1/ European Patent Convention	PCT	6759290.7 08-May-2006	06/122002 16-Nov-2006		Published
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Panomics, Inc.					
<i>Agent Name:</i> Quine Intellectual Property Law Group, P.C.					
<i>Title:</i> Multiplex Capture of Nucleic Acids					

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status	Expiration Date
4216.1/ United States of America	ORD	11/431,092 08-May-2006	0263769 23-Nov-2006		Published	
		<b>Owner Name:</b> Affymetrix, Inc. <b>Division:</b> Panomics, Inc. <b>Agent Name:</b> Quine Intellectual Property Law Group, P.C. <b>Title:</b> Multiplex Capture of Nucleic Acids				<b>Attorney(s):</b> TS <b>Division Ref:</b> <b>Agent Ref:</b>
4217.1/ United States of America	ORD	11/543,752 04-Oct-2006	0161015 12-Jul-2007	7,927,798 19-Apr-2011	Granted	04-Oct-2026
		<b>Owner Name:</b> Affymetrix, Inc. <b>Division:</b> Panomics, Inc. <b>Agent Name:</b> Quine Intellectual Property Law Group, P.C. <b>Title:</b> Detection of Nucleic Acids from Whole Blood				<b>Attorney(s):</b> TS <b>Division Ref:</b> <b>Agent Ref:</b>
4217.2/ United States of America	CON	12/932,484 24-Feb-2011			Pending	
		<b>Owner Name:</b> Affymetrix, Inc. <b>Division:</b> Panomics, Inc. <b>Agent Name:</b> Quine Intellectual Property Law Group, P.C. <b>Title:</b> Detection of Nucleic Acids from Whole Blood				<b>Attorney(s):</b> TS <b>Division Ref:</b> <b>Agent Ref:</b>
4218.1/ European Patent Convention	PCT	06837254.9 09-Nov-2006	07/058898 24-May-2007	1951905 11-Apr-2012	Granted	09-Nov-2026
		<b>Owner Name:</b> Affymetrix, Inc. <b>Division:</b> Panomics, Inc. <b>Agent Name:</b> Quine Intellectual Property Law Group, P.C. <b>Title:</b> Detection of nucleic acids through amplification of surrogate nucleic acids				<b>Attorney(s):</b> TS <b>Division Ref:</b> <b>Agent Ref:</b>

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
4218.1/ United States of America	ORD	11/595,789 09-Nov-2006	0161020 12-Jul-2007	8,017,360 13-Sep-2011	Granted 01-Apr-2027
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Panomics, Inc.					
<i>Agent Name:</i> Quine Intellectual Property Law Group, P.C.					
<i>Title:</i> Detection of nucleic acids through amplification of surrogate nucleic acids					
<i>Attorney(s):</i> TS					
<i>Division Ref:</i>					
<i>Agent Ref:</i>					
4218.2/ United States of America	DIV	13/207,237 10-Aug-2011	0009577 12-Jan-2012		Published
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Panomics, Inc.					
<i>Agent Name:</i> Quine Intellectual Property Law Group, P.C.					
<i>Title:</i> Detection of nucleic acids through amplification of surrogate nucleic acids					
<i>Attorney(s):</i> TS					
<i>Division Ref:</i>					
<i>Agent Ref:</i>					
4220.1/ European Patent Convention	PCT	07836891.7 14-Aug-2007	2054505 06-May-2009		Published
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Panomics, Inc.					
<i>Agent Name:</i> Quine Intellectual Property Law Group, P.C.					
<i>Title:</i> Nucleic acid quantitation from tissue slides					
<i>Attorney(s):</i> TS					
<i>Division Ref:</i>					
<i>Agent Ref:</i>					
4220.1/ United States of America	ORD	11/893,356 14-Aug-2007	0050746 28-Feb-2008	7,968,327 28-Jun-2011	Granted 14-Aug-2027
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Panomics, Inc.					
<i>Agent Name:</i> Quine Intellectual Property Law Group, P.C.					
<i>Title:</i> Nucleic acid quantitation from tissue slides					
<i>Attorney(s):</i> TS					
<i>Division Ref:</i>					
<i>Agent Ref:</i>					

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
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4220.2/ United States of America	DIV	13/068,727 17-May-2011	0223606 15-Sep-2011		Published
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**Owner Name:** Affymetrix, Inc.  
**Division:** Panomics, Inc.  
**Agent Name:** Quine Intellectual Property Law Group, P.C.  
**Title:** Nucleic acid quantitation from tissue slides

**Attorney(s):** TS  
**Division Ref:**  
**Agent Ref:**

4221.1/ European Patent Convention	PCT	07861784.2 06-Nov-2007	08/069884 12-Jun-2008		Published
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**Owner Name:** Affymetrix, Inc.  
**Division:** Panomics, Inc.  
**Agent Name:** Quine Intellectual Property Law Group, P.C.  
**Title:** Two stage nucleic acid amplification using an amplification oligomer

**Attorney(s):** TS  
**Division Ref:**  
**Agent Ref:**

4221.1/ United States of America	ORD	11/983,216 06-Nov-2007	0176242 24-Jul-2008	7,615,351 10-Nov-2009	Granted
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**Owner Name:** Affymetrix, Inc.  
**Division:** Panomics, Inc.  
**Agent Name:** Quine Intellectual Property Law Group, P.C.  
**Title:** Two stage nucleic acid amplification using an amplification oligomer

**Attorney(s):** TS  
**Division Ref:**  
**Agent Ref:**

4221.1A/ United States of America	DIV	12/587,523 07-Oct-2009	0099175 22-Apr-2010	7,951,539 31-May-2011	Granted
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**Owner Name:** Affymetrix, Inc.  
**Division:** Panomics, Inc.  
**Agent Name:** Quine Intellectual Property Law Group, P.C.  
**Title:** Two stage nucleic acid amplification using an amplification oligomer

**Attorney(s):** TS  
**Division Ref:**  
**Agent Ref:**

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
4221.1B/ United States of America	DIV	13/066,727 21-Apr-2011	0256536 20-Oct-2011		Published
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Panomics, Inc. <i>Agent Name:</i> Quine Intellectual Property Law Group, P.C. <i>Title:</i> Two stage nucleic acid amplification using an amplification oligomer					
4222/ United States of America	ORD	09/877,738 08-Jun-2001	0022173 30-Jan-2003	6,924,113 02-Aug-2005	Granted 08-Jun-2021
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Panomics, Inc. <i>Agent Name:</i> Tom Siepmann <i>Title:</i> Method and kit for isolating DNA probes that bind to activated transcription factors					
4222.1/ European Patent Convention	PCT	2734638.6 30-May-2002	02/101351 19-Dec-2002		Natl Stat
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Panomics, Inc. <i>Agent Name:</i> Uexkull & Stolberg <i>Title:</i> Method for detecting transcription factor-protein interactions					
4222.1/ United States of America	CIP	09/947,274 05-Sep-2001	0017499 23-Jan-2003	7,981,842 19-Jul-2011	Granted
<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Panomics, Inc. <i>Agent Name:</i> Tom Siepmann <i>Title:</i> Method for detecting transcription factor-protein interactions					

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
4222.2/ United States of America	DIV	13/134,477 07-Jun-2011	0021938 26-Jan-2012		Published
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Panomics, Inc. <i>Agent Name:</i> Tom Siepmann			<i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>
		<i>Title:</i> Method for detecting transcription factor-protein interactions			
4223/ United States of America	ORD	09/877,243 08-Jun-2001		6,696,256 24-Feb-2004	Granted 08-Jun-2021
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Panomics, Inc. <i>Agent Name:</i> Tom Siepmann			<i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>
		<i>Title:</i> Method, Array and Kit for Detecting Activated Transcription Factors By Hybridization Array			
4225/ United States of America	ORD	09/877,705 08-Jun-2001	0008283 09-Jan-2003	6,821,737 23-Nov-2004	Granted 08-Jun-2021
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Panomics, Inc. <i>Agent Name:</i> Tom Siepmann			<i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>
		<i>Title:</i> Method for Screening for Drug Candidates for Modulating Transcription Factor Activities			
4229/ United States of America	ORD	10/053,516 16-Jan-2002	0134288 17-Jul-2003	7,056,665 06-Jun-2006	Granted 16-Jan-2022
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Panomics, Inc. <i>Agent Name:</i> Tom Siepmann			<i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>
		<i>Title:</i> Screening methods involving the detection of short-lived proteins			

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
4229.1/ United States of America	CON	11/303,037 14-Dec-2005	0121517 08-Jun-2006	7,790,378 07-Sep-2010	Granted
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Panomics, Inc.					
<i>Agent Name:</i> Tom Siepmann					
<i>Title:</i> Screening methods involving the detection of short-lived proteins					
4229.1A/ United States of America	CON	12/804,733 27-Jul-2010	0304394 02-Dec-2010	8,076,083 13-Dec-2011	Granted
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Panomics, Inc.					
<i>Agent Name:</i> Tom Siepmann					
<i>Title:</i> Screening methods involving the detection of short-lived proteins					
4229.1B/ United States of America	CON	13/288,772 03-Nov-2011	0046200 23-Feb-2012		Published
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Panomics, Inc.					
<i>Agent Name:</i> Tom Siepmann					
<i>Title:</i> Screening methods involving the detection of short-lived proteins					
4232.1/ China (People's Republic)	PCT	1809310.8 12-Mar-2001	01/69200 20-Sep-2001	01809310.8 02-Mar-2005	Granted 12-Mar-2021
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Panomics, Inc.					
<i>Agent Name:</i> Quine Intellectual Property Law Group, P.C.					
<i>Title:</i> Methods for detection of differences in nucleic acids					






Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
4246.1/ European Patent Convention	PCT	08838435.9 02-Oct-2008	09/048530 16-Apr-2009		Allowed
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Panomics, Inc. <i>Agent Name:</i> Quine Intellectual Property Law Group, P.C. <i>Title:</i> Highly multiplexed particle-based assays			<i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>
4246.1/ France	EPP	08838435.9 02-Oct-2008	09/048530 16-Apr-2009		Allowed
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Panomics, Inc. <i>Agent Name:</i> <i>Title:</i> Highly multiplexed particle-based assays			<i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>
4246.1/ Germany	EPP	08838435.9 02-Oct-2008	09/048530 16-Apr-2009		Allowed
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Panomics, Inc. <i>Agent Name:</i> <i>Title:</i> Highly multiplexed particle-based assays			<i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>
4246.1/ United Kingdom	EPP	08838435.9 02-Oct-2008	09/048530 16-Apr-2009		Allowed
		<i>Owner Name:</i> Affymetrix, Inc. <i>Division:</i> Panomics, Inc. <i>Agent Name:</i> <i>Title:</i> Highly multiplexed particle-based assays			<i>Attorney(s):</i> TS <i>Division Ref:</i> <i>Agent Ref:</i>

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
4246.1/ United States of America	ORD	12/287,062 02-Oct-2008	0131269 21-May-2009	8,114,681 14-Feb-2012	Granted 26-Sep-2029
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Panomics, Inc.					
<i>Agent Name:</i> Quine Intellectual Property Law Group, P.C.					
<i>Title:</i> Highly multiplexed particle-based assays					
4246.2/ United States of America	CON	13/347,065 10-Jan-2012			Pending
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Panomics, Inc.					
<i>Agent Name:</i> Quine Intellectual Property Law Group, P.C.					
<i>Title:</i> Highly multiplexed particle-based assays					
4247.1/ United States of America	ORD	12/434,746 21-May-2009	0298709 03-Dec-2009		Published
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Panomics, Inc.					
<i>Agent Name:</i> Quine Intellectual Property Law Group, P.C.					
<i>Title:</i> Assays For Determining Telomere Length And Repeated Sequence Copy Number					
4247.2/ United States of America	DIV	13/066,212 08-Apr-2011	0195864 11-Aug-2011		Published
<i>Owner Name:</i> Affymetrix, Inc.					
<i>Division:</i> Panomics, Inc.					
<i>Agent Name:</i> Quine Intellectual Property Law Group, P.C.					
<i>Title:</i> Assays For Determining Telomere Length And Repeated Sequence Copy Number					

The Trademark Security Agreement dated as of May 13, 2015, by Borrower in favor of Agent, which was recorded with the United States Patent and Trademark Office (the "USPTO") on May 19, 2015 at Reel 5519, Frame 0491 and covering the following trademarks:

1. REGISTERED TRADEMARKS

Trademark	Jurisdiction	Reg. No.	International Class	Filing Date	Reg. Date
EG & design: 	Thailand	SM45618	042: Biotechnology research and development services for others, namely, genome sequencing, genome mapping, genome analysis and compute service for genome sequencing	10/21/08	01/29/10
EG + design: 	U.S. Federal	3685094	042: Biotechnology research and development services for others, namely, genome sequencing, genome mapping, genome analysis and scientific research and analysis in the fields of genetics and bioinformatics	07/30/08	09/22/09
EUREKA GENOMICS	U.S. Federal	3675342	042: Biotechnology research and development services for others, namely, genome sequencing, genome mapping, genome analysis and scientific research and analysis in the fields of genetics and bioinformatics	07/30/08	09/01/09
EUREKAGENOMICS & design: 	U.S. Federal	3675344	042: Biotechnology research and development services for others, namely, genome sequencing,	07/30/08	09/01/09

Trademark	Jurisdiction	Reg. No.	International Class	Filing Date	Reg. Date
			genome mapping, genome analysis and scientific research and analysis in the fields of genetics and bioinformatics		
XNA	U.S. Federal	3871237	042: Biotechnology research and development services for others, namely, genome sequencing, genome mapping, genome analysis and scientific research and analysis in the fields of genetics and bioinformatics	06/29/09	11/02/10

2. TRADEMARK APPLICATIONS

None

The Patent Security Agreement dated as of May 13, 2015, by Borrower in favor of Agent, which was recorded with the USPTO on May 19, 2015 at Reel 035666, Frame 0689 and covering the following patents:

Patent Registrations

1. REGISTERED PATENTS

None

2. PATENT APPLICATIONS

- Scalable Characterization of Nucleic Acids by Parallel Sequencing (USDA license)  
U.S. Patent Application No. 13/824,348  
International Patent Application No. PCT/US13/21379  
U.S. Provisional Patent Application No. 61/586,635

The Copyright Security Agreement dated as of June 25, 2012, by Borrower in favor of Agent, which was recorded with the United States Copyright Office on July 2, 2012 at Volume 3617, Document Number 373 and covering the following copyrights:

### Copyrights

Name of Credit Party	Copyright Number	Date of Registration	Copyright Title
Affymetrix, Inc.	TXu000665669	1994	CallSeq software
Affymetrix, Inc.	TXu000666001	1994	Genebrowser software
Affymetrix, Inc.	TXu000666259	1994	ImaGene
Affymetrix, Inc.	TXu000772924	1997	NEURAL NET : software
Affymetrix, Inc.	TXu000665668	1994	Recon software
Affymetrix, Inc.	TXu001038530	2002	ScannerWorkbench
Affymetrix, Inc.	TXu000665670	1994	ViewSeq software