

TRADEMARK ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
Affymetrix, Inc.		06/25/2012	CORPORATION: DELAWARE

RECEIVING PARTY DATA

Name:	General Electric Capital Corporation, as Agent
Street Address:	2 Bethesda Metro Center
Internal Address:	Suite 600
City:	Bethesda
State/Country:	MARYLAND
Postal Code:	20814
Entity Type:	CORPORATION: DELAWARE

PROPERTY NUMBERS Total: 41

Property Type	Number	Word Mark
Serial Number:	85085589	MAGNITAQ
Serial Number:	85107410	ONCOSCAN
Serial Number:	85430382	PRIMEVIEW
Registration Number:	2204151	AFFYMETRIX
Registration Number:	1866612	AFFYMETRIX
Registration Number:	2007269	AFFYMETRIX
Registration Number:	3994281	AFFYMETRIX
Registration Number:	3958163	AFFYMETRIX
Registration Number:	3500512	
Registration Number:	2369100	
Registration Number:	4128169	AXIOM
Registration Number:	3966861	AXIOM
Registration Number:	4135406	COMMAND CONSOLE

OP \$1040.00 85085589

Registration Number:	3289228	COMMAND CONSOLE
Registration Number:	4050437	CYTOSCAN
Registration Number:	3927347	GENEATLAS
Registration Number:	2203029	GENECHIP
Registration Number:	2045143	GENECHIP
Registration Number:	3729516	GENETITAN
Registration Number:	2467029	
Registration Number:	3145542	NETAFFX
Registration Number:	3483741	PANOMICS
Registration Number:	3299563	PROCARTA
Registration Number:	2375756	QUANTIGENE
Registration Number:	3971516	VERIQUEST
Registration Number:	1211150	BIOBLAND
Registration Number:	2030128	C-HEGA
Registration Number:	2030129	HEGA
Registration Number:	2073422	CYMAL
Registration Number:	2250987	ANAGRADE
Registration Number:	2254935	ANAPOE
Registration Number:	2260438	SOL-GRADE
Registration Number:	2260439	FOS-CHOLINE
Registration Number:	2310817	CYGLU
Registration Number:	2788434	FOS-MEA
Registration Number:	2790690	ANZERGENT
Registration Number:	2790691	ANAMEG
Registration Number:	2886091	PMAL
Registration Number:	2940521	SHERPA
Registration Number:	3432339	LYSOFOS
Registration Number:	3487472	ANATRACE

CORRESPONDENCE DATA

Fax Number: 3129939767

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.

Phone: 312/876-7628

Email: linda.kastner@lw.com

Correspondent Name: Linda R. Kastner, c/o Latham & Watkins

Address Line 1: 233 S. Wacker Drive

TRADEMARK
REEL: 004807 FRAME: 0854

Address Line 2: Suite 5800
Address Line 4: Chicago, ILLINOIS 60606

NAME OF SUBMITTER:	Linda Kastner
Signature:	/lk/
Date:	06/25/2012

Total Attachments: 8

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TRADEMARK SECURITY AGREEMENT

THIS TRADEMARK SECURITY AGREEMENT, dated as of June 25, 2012, is made by the undersigned (the "Grantor"), in favor of General Electric Capital Corporation ("GE Capital"), as agent (in such capacity, together with its successors and permitted assigns, the "Agent") for the Lenders and the L/C Issuers (as defined in the Credit Agreement referred to below) and the other Secured Parties.

WITNESSETH:

WHEREAS, pursuant to that certain Credit Agreement, dated as of June 25, 2012 (as the same may be amended, restated, supplemented or otherwise modified from time to time, the "Credit Agreement"), among the Borrower, the other Credit Parties, the Lenders party thereto from time to time and GE Capital, as Agent for the Lenders, the Lenders and the L/C Issuers have severally agreed to make extensions of credit to the Borrower upon the terms and subject to the conditions set forth therein; and

WHEREAS, the Grantor is party to the Guaranty and Security Agreement pursuant to which the Grantor is required to execute and deliver this Trademark Security Agreement;

NOW, THEREFORE, in consideration of the premises and to induce the Lenders, the L/C Issuers and Agent to enter into the Credit Agreement and to induce the Lenders and the L/C Issuers to make their respective extensions of credit to the Borrower thereunder, the Grantor hereby agrees with Agent as follows:

Section 1. Defined Terms. Capitalized terms used herein without definition are used as defined in the Guaranty and Security Agreement.

Section 2. Grant of Security Interest in Trademark Collateral. The Grantor, as collateral security for the prompt and complete payment and performance when due (whether at stated maturity, by acceleration or otherwise) of the Secured Obligations of the Grantor, hereby mortgages, pledges and hypothecates to Agent for the benefit of the Secured Parties, and grants to Agent for the benefit of the Secured Parties a Lien on and security interest in, all of its right, title and interest in, to and under the following Collateral of the Grantor (the "Trademark Collateral"):

1. all of its Trademarks and providing for the grant by or to the Grantor of any right under any Trademark, including, without limitation, those referred to on Schedule 1 hereto;
2. all renewals and extensions of the foregoing;
3. all goodwill of the business connected with the use of, and symbolized by, each such Trademark; and

4. all income, royalties, proceeds and Liabilities at any time due or payable or asserted under and with respect to any of the foregoing, including, without limitation, all rights to sue and recover at law or in equity for any past, present and future infringement, misappropriation, dilution, violation or other impairment thereof.

Section 3. Guaranty and Security Agreement. The security interest granted pursuant to this Trademark Security Agreement is granted in conjunction with the security interest granted to Agent pursuant to the Guaranty and Security Agreement and each Grantor hereby acknowledges and agrees that the rights and remedies of Agent with respect to the security interest in the Trademark Collateral made and granted hereby are more fully set forth in the Guaranty and Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein. Nothing herein shall be deemed to grant a Lien or security interest in or to any Excluded Property.


Section 4. Counterparts. This Trademark Security Agreement may be executed in any number of counterparts and by different parties in separate counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement. Signature pages may be detached from multiple separate counterparts and attached to a single counterpart.

Section 5. Governing Law. This Trademark Security Agreement and the rights and obligations of the parties hereto shall be governed by, and construed and interpreted in accordance with, the law of the State of New York.

[Signature Pages Follow]

IN WITNESS WHEREOF, each Grantor has caused this Trademark Security Agreement to be executed and delivered by its duly authorized officer as of the date first set forth above.

AFFYMETRIX, INC.,
as a Grantor

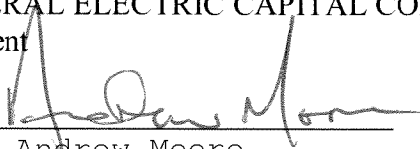
By: 
Name: Timothy C. Barabe
Title: CFO

[Signature Page to Trademark Security Agreement]

TRADEMARK
REEL: 004807 FRAME: 0858

ACCEPTED AND AGREED
as of the date first above written:

GENERAL ELECTRIC CAPITAL CORPORATION,
as Agent

By: 
Name: Andrew Moore
Title: Its Duly Authorized Signatory

SCHEDULE I

Trademarks

Name of Credit Party	Registration/Applic ation Number and Date(indicate if an application)	Date of Registration/Applica tion	Jurisdiction of Registration or Application	Description of Trademarks, Tradenames or Service Markes
Affymetrix, Inc.	886078	08/16/2001	Australia	AFFYMETRIX
Affymetrix, Inc.	806641	09/09/1999	Australia	GENECHIP
Affymetrix, Inc.	976532	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.	822145391	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.	TMA553,677	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.	000151589	11/10/1998	Community Trademark	AFFYMETRIX
Affymetrix, Inc.	004263042	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.	001229830	11/06/2000	Community Trademark	Helix Design
Affymetrix, Inc.	941377	09/28/2007	Community Trademark	PANOMICS
Affymetrix, Inc.	004756268	10/16/2006	Community Trademark	PROCARTA
Affymetrix, Inc.	006425557	10/30/2008	Community Trademark	QUANTIGENE
Affymetrix, Inc.	200400497AA	11/21/2001	Hong Kong	AFFYMETRIX
Affymetrix, Inc.	300480465	01/06/2006	Hong Kong	AFFYMETRIX (in Chinese)
Affymetrix, Inc.	300480447	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.	128945	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	CSIRNA
Affymetrix, Inc.	5003594	11/17/2006	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.	4995679	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	09/08/2008	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.	522655	06/29/2004	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.	2,204,151	11/17/1998	United States	AFFYMETRIX
Affymetrix, Inc.	1,866,612	12/06/1994	United States	AFFYMETRIX
Affymetrix, Inc.	2,007,269	10/08/1996	United States	AFFYMETRIX

Affymetrix, Inc.	3,994,281	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	07/18/2000	United States	Array Design
Affymetrix, Inc.	4,128,169	04/17/2012	United States	AXIOM
Affymetrix, Inc.	3,966,861	05/24/2011	United States	AXIOM
Affymetrix, Inc.	4,135,406	05/01/2012	United States	COMMAND CONSOLE
Affymetrix, Inc.	3,289,228	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	GeneAtlas
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.	85,085,589	07/15/2010	United States	MAGNITAQ
Affymetrix, Inc.	3,145,542	09/19/2006	United States	NETAFFX
Affymetrix, Inc.	85,107,410	08/13/2010	United States	ONCOSCAN
Affymetrix, Inc.	3,483,741	08/12/2008	United States	PANOMICS
Affymetrix, Inc.	85,430,382	09/23/2011	United States	PRIMEVIEW
Affymetrix, Inc.	3,299,563	09/25/2007	United States	PROCARTA
Affymetrix, Inc.	2,375,756	08/08/2000	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.	2,030,129	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.	2,260,439	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