

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
J. Craig Venter Institute, Inc.	03/24/2009
RECEIVING PARTY DATA	
Name:	Synthetic Genomics, Inc.
Street Address:	11149 North Torrey Pines Road
City:	San Diego
State/Country:	CALIFORNIA
Postal Code:	92037
PROPERTY NUMBERS Total: 23	
Property Type	Number
Application Number:	60675850
Application Number:	60722070
Application Number:	60725300
Application Number:	11919515
PCT Number:	US0616349
Application Number:	60707160
Application Number:	11502746
PCT Number:	US0631394
Application Number:	60707177
Application Number:	60800400
Application Number:	11502624
PCT Number:	US0631214
Application Number:	60725295
Application Number:	11546364
PCT Number:	US0639047

OP \$920.00 60675850

500901097

PATENT
REEL: 022905 FRAME: 0045

Application Number:	60752965
Application Number:	11644713
PCT Number:	US0649231
Application Number:	60742542
Application Number:	11635355
PCT Number:	US0646803
Application Number:	60851758
PCT Number:	US0722099

CORRESPONDENCE DATA

Fax Number: (858)754-2988

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 8587542932

Email: tspehar@syntheticgenomics.com

Correspondent Name: Teresa Spehar

Address Line 1: 11149 North Torrey Pines Road

Address Line 4: San Diego, CALIFORNIA 92037

NAME OF SUBMITTER:

Teresa Spehar

Total Attachments: 3

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ASSIGNMENT

THIS ASSIGNMENT, by **J. CRAIG VENTER INSTITUTE, INC.**, a corporation duly organized under and pursuant to the laws of Maryland and having its principal place of business at 9704 Medical Center Drive, Rockville, MD 20850 (hereinafter referred to as the assignor), witnesseseth:

WHEREAS, said assignor is the sole and exclusive owner by assignment of the inventions described and claimed in the U.S. Patents and applications for Letters Patent of the United States, and PCT applications related thereto, the Patent and application serial numbers of which are listed on **Exhibit A**, attached hereto; and

WHEREAS, **SYNTHETIC GENOMICS, INC.**, a corporation duly organized under and pursuant to the laws of Delaware and having its principal place of business at 11149 North Torrey Pines Road, La Jolla, CA 92037, (hereinafter referred to as the assignee) is desirous of acquiring the entire right, title and interest in and to said inventions and said applications for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, said assignor has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto said assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said assignee, for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.

AND for the same consideration, said assignor hereby covenant and agrees to and with said assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said assignor is the sole and lawful owner of the entire right, title and interest in and to said inventions and the applications for Letters Patent above-mentioned, and that the same are unencumbered and that said assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, said assignor hereby covenants and agrees to and with said assignee, its successors, legal representatives and assigns, that said assignor will, whenever assignee or counsel of said assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to said assignee, its successors, legal representatives and assigns, but at the cost and expense of said assignee, its successors, legal representatives and assigns.

AND said assignor hereby requests the Commissioner of Patents to issue said Letters Patent of the United States to said assignee as the assignee of said inventions and the Letters Patent to be issued thereon for the sole use of said assignee, its successors, legal representatives and assigns.

March 24, 2009
Date

J. CRAIG VENTER INSTITUTE, INC.

By: [Signature]

Name: Robert L. Strausberg

Title: Deputy Director

STATE OF Maryland)

COUNTY OF Montgomery)

On March 24, 2009, before me, Elizabeth A. Hoyle,
Notary Public, personally appeared Robert L. STRAUSBERG, who proved to me on the basis of
satisfactory evidence to be the person whose name is subscribed to within the instrument and
acknowledged to me that he executed the same in his authorized capacity, and that by his signature on
the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY of PERJURY under the laws of the State of Maryland
that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature: [Signature] (Seal)

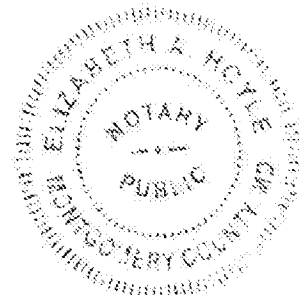
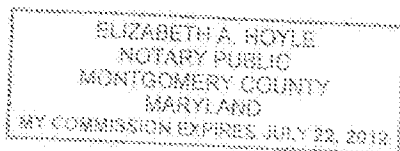


EXHIBIT A

Patent applications for assignment from J. Craig Venter Institute, Inc., to Synthetic Genomics, Inc.

Application No.	Attorney Docket No.	Client Matter No.	Title	Filing Date
60/675,850	616873003400	JCVI-001.10PV	Amplification and Cloning of Single DNA Molecules using Rolling Circle Amplification	04/29/05
60/722,070	616873003401	JCVI-001.11PV	Amplification and Cloning of Single DNA Molecules using Rolling Circle Amplification	09/30/05
60/725,300	616873003402	JCVI-001.12PV	Amplification and Cloning of Single DNA Molecules using Rolling Circle Amplification	10/12/05
11/919,515	616872003400	JCVI-001.20US	Amplification and Cloning of Single DNA Molecules using Rolling Circle Amplification	10/29/07
PCT/US06/016349	616872003440	JCVI-001.20WO	Amplification and Cloning of Single DNA Molecules using Rolling Circle Amplification	05/01/06
60/707,160	616873001500	JCVI-002.10PV	In Vitro Recombination Method	08/11/05
11/502,746	616872001500	JCVI-002.20US	In Vitro Recombination Method	08/11/06
PCT/US06/031394	616872001540	JCVI-002.20WO	In Vitro Recombination Method	08/11/06
60/707,177	616873002500	JCVI-003.10PV	Method for In Vitro Recombination	08/11/05
60/800,400	616873002501	JCVI-003.11PV	Method for In Vitro Recombination	05/16/06
11/502,624	616872002500	JCVI-003.20US	Method for In Vitro Recombination	08/11/06
PCT/US06/031214	616872002540	JCVI-003.20WO	Method for In Vitro Recombination	08/11/06
60/725,295	616873001800	JCVI-004.10PV	Minimal Bacterial Genome	10/12/05
11/546,364	616872001800	JCVI-004.20US	Minimal Bacterial Genome	10/12/06
PCT/US06/039047	616872001840	JCVI-004.20WO	Minimal Bacterial Genome	10/12/06
60/752,965	616873001200	JCVI-010.10PV	Introduction of Genomes into Microorganism	12/23/05
11/644,713	616872001200	JCVI-010.20US	Installation of Genomes or Partial Genomes into Calls of Cell-like Systems	12/22/06
PCT/US06/049231	616872001240	JCVI-010.20WO	Installation of Genomes or Partial Genomes into Calls of Cell-like Systems	12/22/06
60/742,542	616873001300	JCVI-016.10PV	Synthetic Genomes	12/06/05
11/635,355	616872001300	JCVI-016.20US	Synthetic Genomes	12/06/06
PCT/US06/046803	616872001340	JCVI-016.20WO	Synthetic Genomes	12/06/06
60/851,758	616873002900	JCVI-018.10PV	Recombinant Hydrogen-Producing Cyanobacterium and Uses Thereof	10/16/06
PCT/US07/022099	616872002940	JCVI-018.20WO	Recombinant Hydrogen-Producing Cyanobacterium and Uses Thereof	10/16/07