

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
J. Craig Venter Institute, Inc.	11/03/2009
RECEIVING PARTY DATA	
Name:	Synthetic Genomics, Inc.
Street Address:	11149 North Torrey Pines Road
City:	La Jolla
State/Country:	CALIFORNIA
Postal Code:	92037
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	12598414
PCT Number:	US0862307
CORRESPONDENCE DATA	
Fax Number:	(858)754-2988
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	858-754-2982
Email:	mjamroz@syntheticgenomics.com
Correspondent Name:	Megan E Jamroz
Address Line 1:	11149 North Torrey Pines Road
Address Line 4:	La Jolla, CALIFORNIA 92037
NAME OF SUBMITTER:	Megan E Jamroz
Total Attachments: 6 source=JCVI to SGI-Multi-Foreign Assignments Executed-Notary both parties-11-03-09#page1.tif source=JCVI to SGI-Multi-Foreign Assignments Executed-Notary both parties-11-03-09#page2.tif source=JCVI to SGI-Multi-Foreign Assignments Executed-Notary both parties-11-03-09#page3.tif source=JCVI to SGI-Multi-Foreign Assignments Executed-Notary both parties-11-03-09#page4.tif source=JCVI to SGI-Multi-Foreign Assignments Executed-Notary both parties-11-03-09#page5.tif	

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PATENT
REEL: 023596 FRAME: 0596

ASSIGNMENT

We, **J. CRAIG VENTER INSTITUTE, INC.**, a company incorporated under the laws of the State of Maryland, U.S.A., of 9704 Medical Center Drive, Rockville, MD 20850, U.S.A., being the sole proprietor of the patent applications, identified in the attached **Schedule**, hereby declare that we assign, transfer and set over, unto **SYNTHETIC GENOMICS, INC.**, a company incorporated under the laws of the State of Delaware, U.S.A., of 11149 North Torrey Pines Road, La Jolla, CA 92037, U.S.A. (hereinafter referred to as the assignee), its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, any and all Letters Patent or Patents in any country which may be granted therefor and thereon, any proceeding in connection with Letters Patent for said inventions in any country, including interference and/or opposition proceedings, is lawful and desirable, 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, (including the right to have any patents maturing therefrom granted in the name of the assignee alone and reference herein to patent applications shall be taken to include reference to any such patents), 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, the same to be held and enjoyed by said assignee together with all rights of action, power and benefit belonging or accrued arising therefrom including the right to take proceedings to recover damages and claim all other relief in respect of any acts of infringement thereof whether such acts shall have been committed before or after the date of this assignment.

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 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.

And we agree that the change of ownership be recorded in the official Patent Office records.

SCHEDULE

Application No. (Publication No.)	Date of Filing (dd.mm.yyyy)	Title
JCVI-001		
PCT/US06/016349 (WO 06/119066)	01.05.2006	Amplification and cloning of single DNA molecules using rolling circle amplification
AU2006242387	01.05.2006	Amplification and cloning of single DNA molecules using rolling circle amplification
BRPI0607661-0	01.05.2006	Amplification and cloning of single DNA molecules using rolling circle amplification
CA2607532	01.05.2006	Amplification and cloning of single DNA molecules using rolling circle amplification
CN200680024024.4 (11213311)	01.05.2006	Amplification and cloning of single DNA molecules using rolling circle amplification
EP06751837.3 (EP1885880)	01.05.2006	Amplification and cloning of single DNA molecules using rolling circle amplification
HK08107959.6	01.05.2006	Amplification and cloning of single DNA molecules using rolling circle amplification
IL187002	01.05.2006	Amplification and cloning of single DNA molecules using rolling circle amplification
IN8526DELNP2007	01.05.2006	Amplification and cloning of single DNA molecules using rolling circle amplification
JCVI-002		
PCT/US06/031394 (WO 07/021944)	11.08.2006	In vitro recombination method
CA2618699	11.08.2006	In vitro recombination method
EP06813388.3 (EP1915446)	11.08.2006	In vitro recombination method
MYPI20063912	11.08.2006	In vitro recombination method
JCVI-003		
PCT/US06/031214 (WO 07/032837)	11.08.2006	Method for in vitro recombination
CA2618665	11.08.2006	Method for in vitro recombination
EP06836102.1 (EP1929012)	11.08.2006	Method for in vitro recombination
MYPI20063911	11.08.2006	Method for in vitro recombination
JCVI-004		
PCT/US06/039047 (WO 07/047148)	12.10.2006	Minimal bacterial genome
AU2006303957	12.10.2006	Minimal bacterial genome
CA2625971	12.10.2006	Minimal bacterial genome
EP06825527.2 (EP1951874)	12.10.2006	Minimal bacterial genome
JP2008535578	12.10.2006	Minimal bacterial genome

Application No. (Publication No.)	Date of Filing (dd.mm.yyyy)	Title
JCVI-008		
PCT/US06/046457 (WO 07/065035)	04.12.2006	Synthesis of Error-Minimized Nucleic Acid Molecules
AU2006320275	04.12.2006	Synthesis of Error
CA2642514	04.12.2006	Synthesis of Error
EP06844856.2 (EP1963525)	04.12.2006	Synthesis of Error
JP2008543550	04.12.2006	Synthesis of Error
JCVI-010		
PCT/US06/049231 (WO 08/016380)	22.12.2006	Installation of genomes or partial genomes into cells or cell-like systems
AU2006346810	22.12.2006	Installation of genomes or partial genomes into cells or cell
CA2643136	22.12.2006	Installation of genomes or partial genomes into cells or cell
EP06851502.2 (EP1963515)	22.12.2006	Installation of genomes or partial genomes into cells or cell
JP008547655 (2009/521229)	22.12.2006	Installation of genomes or partial genomes into cells or cell
TW095148784	25.12.2006	Installation of genomes or partial genomes into cells or cell
JCVI-016		
PCT/US06/046803 (WO 08/024129)	06.12.2006	Synthetic genomes
AU2006347573	06.12.2006	Synthetic genomes
CA2643356	06.12.2006	Synthetic genomes
CN2006800524443	06.12.2006	Synthetic genomes
EP06851474.4 (EP1968994)	06.12.2006	Synthetic genomes
IL192041	06.12.2006	Synthetic genomes
IN2702KOLNP2008	06.12.2006	Synthetic genomes
JP2008544524 (2009/518038)	06.12.2006	Synthetic genomes
JCVI-018		
PCT/US07/022099 (WO 08/143630)	16.10.2007	Recombinant hydrogen-producing cyano-bacterium and uses thereof
EP07874083.4 (EP2076586)	16.10.2007	Recombinant hydrogen-producing cyano-bacterium and uses thereof
JCVI-038		
PCT/US08/079109 (WO 09/048885)	07.10.2008	Assembly of Large Nucleic Acids

Application No. (Publication No.)	Date of Filing (dd.mm.yyyy)	Title
JCVI-037		
PCT/US08/079229 (WO 09/048971)	08.10.2008	System and Method for Producing Synthetic Microorganisms Capable of Translating Proteins Containing Non-Standard Amino Acids
JCVI-040		
PCT/US08/062307 (WO 08/144192)	01.05.2008	Methods of Genome Installation in a Recipient Host Cell
JCVI-059		
PCT/US09/034153	13.02.2009	Methods for In Vitro Joining and Combinatorial Assembly of Nucleic Acid Molecules

For and on behalf of
J. CRAIG VENTER INSTITUTE, INC.

By: *Robert L. Strausberg*

Full Name: Robert L. Strausberg

Capacity: Deputy Director for Maryland

STATE OF MARYLAND

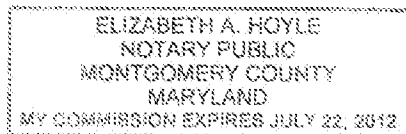
COUNTY OF Montgomery

On 10-20-09, before me, Elizabeth A. Hoyle Notary Public,
personally appeared Robert L. Strausberg, who provide to me on the basis of satisfactory
evidence to be the person whose name is subscribed to within instrument and
acknowledged to me that (s)he executed the same in her/his authorized capacity, and that
by her/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: *Elizabeth A. Hoyle* (seal)



For and on behalf of
SYNTHETIC GENOMICS, INC.

By: _____

Full Name: _____

Capacity: _____

Date: _____

STATE OF CALIFORNIA

COUNTY OF SAN DIEGO

On November 3, 2009, before me, Isirene Ulloa-Gomez Notary Public, personally appeared Maria Fernanda Gandara who provide to me on the basis of satisfactory evidence to be the person whose name is subscribed to within instrument and acknowledged to me that (s)he executed the same in her/his authorized capacity, and that by her/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 California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____

(seal)

