

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Anthony P. BURGARD</td><td>08/12/2011</td></tr><tr><td>Robin E. OSTERHOUT</td><td>08/12/2011</td></tr><tr><td>Jun SUN</td><td>08/12/2011</td></tr><tr><td>Priti PHARKYA</td><td>08/12/2011</td></tr></tbody></table>	Name	Execution Date	Anthony P. BURGARD	08/12/2011	Robin E. OSTERHOUT	08/12/2011	Jun SUN	08/12/2011	Priti PHARKYA	08/12/2011	
Name	Execution Date										
Anthony P. BURGARD	08/12/2011										
Robin E. OSTERHOUT	08/12/2011										
Jun SUN	08/12/2011										
Priti PHARKYA	08/12/2011										
RECEIVING PARTY DATA											
Name:	Genomatica, Inc.										
Street Address:	10520 Wateridge Circle										
City:	San Diego										
State/Country:	CALIFORNIA										
Postal Code:	92121										
PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>13011788</td></tr></tbody></table>	Property Type	Number	Application Number:	13011788							
Property Type	Number										
Application Number:	13011788										
CORRESPONDENCE DATA											
Fax Number: (858)314-1150 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone: 858-314-1200											
Email: jwalz@jonesday.com											
Correspondent Name: JONES DAY											
Address Line 1: 222 East 41st Street											
Address Line 4: New York, NEW YORK 10017-6702											
ATTORNEY DOCKET NUMBER:	871943-999108										
NAME OF SUBMITTER:	Jessica L. Walz										
Total Attachments: 3 source=12956-108-999_Assignment#page1.tif source=12956-108-999_Assignment#page2.tif source=12956-108-999_Assignment#page3.tif											

CH \$40.00 13011788

501629813

PATENT
REEL: 026767 FRAME: 0399

ASSIGNMENT

WHEREAS, WE, Anthony P. BURGARD, of Bellefonte, PA, Robin E. OSTERHOUT, of San Diego, CA, Jun SUN, of San Diego, CA, and Priti PHARKYA, of San Diego, CA; ASSIGNORS, respectively are the inventors of the invention in **METHODS FOR INCREASING PRODUCT YIELDS** for which we have executed an application for a Patent of the United States

- ☐ which is executed on ☐ even date herewith or ☐
☒ which is identified by Jones Day docket no. 12956-108-999 (CAM 871943-999108)
☒ which was filed on January 21, 2011, Application No. 13/011,788
☐ We hereby authorize and request attorney(s), , at Jones Day, to insert here in parentheses (Application number, _____ filed _____) the filing date and application number of said application when known.

and WHEREAS, **Genomatica, Inc.**, a corporation organized and existing under the laws of the state of Delaware, and having an office for the transaction of business at 10520 Wateridge Circle, San Diego, CA 92121, ASSIGNEE, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner for Patents and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date Aug 12, 2011 Anthony P. BURGARD L.S.
 Anthony P. BURGARD

STATE OF CALIFORNIA)

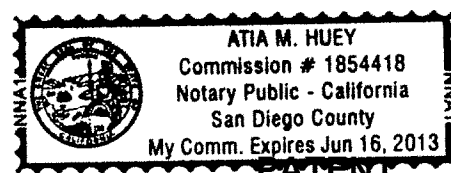
COUNTY OF San Diego)

On Aug 12, 2011 before me, Atia M. Huey, Notary Public, personally appeared Anthony P. BURGARD, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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 Atia M. Huey (Seal)



Date Aug 12, 2011Robin E. OSTERHOUT L.S.

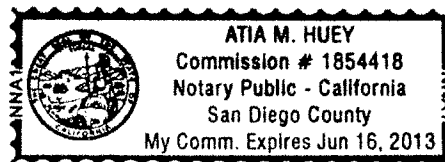
STATE OF CALIFORNIA)

COUNTY OF San Diego)

On Aug 12, 2011 before me, Atia M. Huey, Notary Public, personally appeared Robin E. OSTERHOUT, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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 [Signature] (Seal)Date Aug 12, 2011Jun SUN L.S.

STATE OF CALIFORNIA)

COUNTY OF San Diego)

On Aug 12, 2011 before me, Atia M. Huey, Notary Public, personally appeared Jun SUN, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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 [Signature] (Seal)

Date Aug 12, 2011Priti
Priti PHARKYA

L.S.

STATE OF CALIFORNIA)

COUNTY OF SAN DIEGO)

On Aug 12, 2011 before me, Atia M. Huey, Notary Public, personally appeared Priti PHARKYA, who proved to me on the basis of satisfactory evidence to be the person~~s~~ whose name~~s~~ is~~are~~ subscribed to the within instrument and acknowledged to me that he~~she~~/they executed the same in his~~her~~/their authorized capacity~~(ies)~~, and that by his~~her~~/their signature~~s~~ on the instrument the person~~s~~, or the entity upon behalf of which the person~~s~~ 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)