

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>Mark J. BURK</td><td>03/23/2011</td></tr><tr><td>Christophe H. SCHILLING</td><td>03/29/2011</td></tr><tr><td>Anthony P. BURGARD</td><td>03/23/2011</td></tr><tr><td>John D. TRAWICK</td><td>03/23/2011</td></tr></tbody></table>	Name	Execution Date	Mark J. BURK	03/23/2011	Christophe H. SCHILLING	03/29/2011	Anthony P. BURGARD	03/23/2011	John D. TRAWICK	03/23/2011	
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John D. TRAWICK	03/23/2011										
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>12863978</td></tr></tbody></table>	Property Type	Number	Application Number:	12863978							
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Application Number:	12863978										
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: scgenua@jonesday.com											
Correspondent Name: JONES DAY											
Address Line 1: 222 East 41st Street											
Address Line 2: Sandra Genua											
Address Line 4: New York, NEW YORK 10017-6702											
ATTORNEY DOCKET NUMBER:	871943-999061										
NAME OF SUBMITTER:	Sandra Genua										
Total Attachments: 2 source=12956-061-999_Assgt#page1.tif source=12956-061-999_Assgt#page2.tif											

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PATENT
REEL: 026142 FRAME: 0186

JOINT

ASSIGNMENT

WHEREAS, WE, Mark J. BURK of San Diego, CA, Christophe H. SCHILLING of San Diego, CA, Anthony P. BURGARD of Bellefonte, PA, and John D. TRAWICK of San Diego, CA, ASSIGNORS, citizens of the United States, are the inventors of the invention in **METHODS AND ORGANISMS FOR UTILIZING SYNTHESIS GAS OR OTHER GASEOUS CARBON SOURCES AND METHANOL**, 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. 12956-061-999 (CAM 871943-999061)
☒ which was filed on July 21, 2010, Application No. 12/863,978
☐ 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:

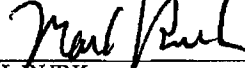
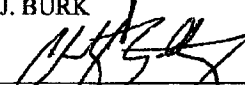
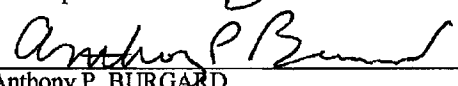
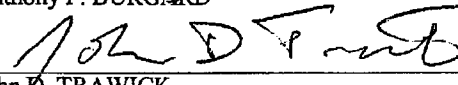
NOW, THEREFORE, in good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and 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 <u>March 23</u> , 2011	<u></u> L.S. Mark J. BURK
Date <u>MARCH 24</u> , 2011	<u></u> L.S. Christophe H. SCHILLING
Date <u>MAR 23</u> , 2011	<u></u> L.S. Anthony P. BURGARD
Date <u>23 March</u> , 2011	<u></u> L.S. John D. TRAWICK

State of California }
County of San Diego } SS.:

On March 23, 2011, before me, Atia M. Huey, Notary Public, personally appeared Mark J. BURK, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is 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.

WITNESS my hand and official seal

Atia M. Huey

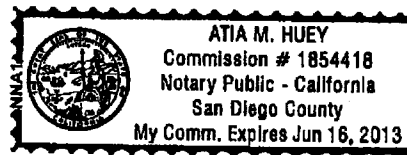


State of California }
County of San Diego } SS.:

On March 29, 2011, before me, Atia M. Huey, Notary Public, personally appeared Christophe H. SCHILLING, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is 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.

WITNESS my hand and official seal

Atia M. Huey

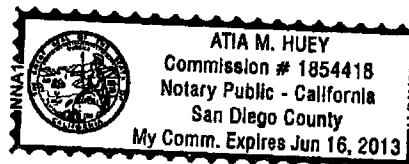


State of California }
County of San Diego } SS.:

On March 23, 2011, before me, Atia M. Huey, Notary Public, personally appeared Anthony P. BURGARD, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is 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.

WITNESS my hand and official seal

Atia M. Huey



State of California }
County of San Diego } SS.:

On March 23, 2011, before me, Atia M. Huey, Notary Public, personally appeared John D. TRAWICK, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is 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.

WITNESS my hand and official seal

Atia M. Huey

