

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3696782

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ANTHONY P. BURGARD	12/18/2015
ROBIN E. OSTERHOUT	12/02/2015
STEPHEN J. VAN DIEN	12/04/2015
CARA ANN TRACEWELL	12/03/2015
PRITI PHARKYA	12/02/2015
STEFAN ANDRAE	12/04/2015
RECEIVING PARTY DATA	
Name:	GENOMATICA, INC.
Street Address:	4757 NEXUS CENTER DRIVE
City:	SAN DIEGO
State/Country:	CALIFORNIA
Postal Code:	92121
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14424404
CORRESPONDENCE DATA	
Fax Number:	(858)314-1150
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	858-314-1200
Email:	cquatrino@jonesday.com, MVdiaz@jonesday.com
Correspondent Name:	JONES DAY
Address Line 1:	222 41ST STREET
Address Line 4:	NEW YORK, NEW YORK 10017-6702
ATTORNEY DOCKET NUMBER:	12956-302-999/871943-302
NAME OF SUBMITTER:	CHRISTINA QUATRINO
SIGNATURE:	/Christina Quatrino/
DATE SIGNED:	01/14/2016
Total Attachments: 8	

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source=12956_302_999_Assignment#page8.tif

ASSIGNMENT

WHEREAS, WE, **Anthony P. BURGARD**, citizen of the United States, having a mailing address of 4757 Nexus Center Drive, San Diego, CA 92121 residing at Bellefonte, PA, **Robin E. OSTERHOUT**, citizen of the United States, having a mailing address of 4757 Nexus Center Drive, San Diego, CA 92121 residing at San Diego, CA, **Stephen J. VAN DIEN**, citizen of the United States, having a mailing address of 4757 Nexus Center Drive, San Diego, CA residing at Encinitas, CA, **Cara Ann TRACEWELL**, citizen of the United States, having a mailing address of 4757 Nexus Center Drive, San Diego, CA residing at Solana Beach, CA, **Priti PHARKYA**, citizen of the United States, having a mailing address of 4757 Nexus Center Drive, San Diego, CA 92121 residing at San Diego, CA and **Stefan ANDRAE**, citizen of the United States, having a mailing address of 4757 Nexus Center Drive, San Diego, CA 92121 residing at San Diego, CA, ASSIGNORS, are the inventors of the invention in **MICROORGANISMS AND METHODS FOR ENHANCING THE AVAILABILITY OF REDUCING EQUIVALENTS IN THE PRESENCE OF METHANOL, AND FOR PRODUCING 1,4-BUTANEDIOL RELATED THERETO** for which we have executed an application for a Patent of the United States

☒ which is identified by Jones Day docket no. 12956-302-999/871956-999302

☒ which was filed on February 26, 2015, Application No. 14/424,404

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 4757 Nexus Center Drive, 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, for 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 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 all right to sue for infringement including past infringement.

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 12/10/15, 2015


Anthony P. BURGARD

L.S.

Date 12/2/15, 2015


Robin E. OSTERHOUT

L.S.

Date 12/4, 2015

Stephen J. VAN DIEN L.S.

Date 12/3, 2015

Cara Ann TRACEWELL L.S.

Date 12/2, 2015

Priti PHARKYA L.S.

Date _____, 2015

Stefan ANDRAE L.S.

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

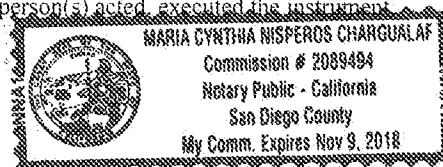
STATE OF CALIFORNIA)

COUNTY OF SAN DIEGO)

On 12/18/2015 before me, MARIA CYNTHIA N. CHARGUALAF 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.

WITNESS my hand and official seal.

Signature [Signature] (Seal)



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STATE OF CALIFORNIA)

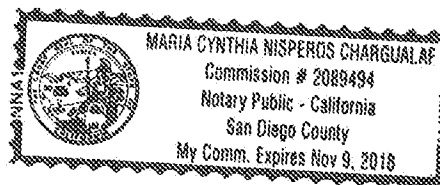
COUNTY OF SAN DIEGO)

On 12/2/2015 before me, MARIA CYNTHIA N. CHARGUALAF 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)



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STATE OF CALIFORNIA)

COUNTY OF SAN DIEGO)

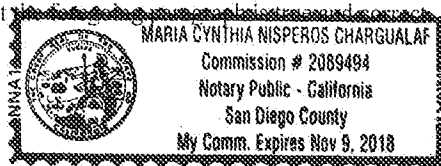
On 12/4/2015 before me, MARIA CYNTHIA N. CHARGUALAF, Notary Public, personally appeared Stephen J. VAN DIEN, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in 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)



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STATE OF CALIFORNIA)

COUNTY OF SAN DIEGO)

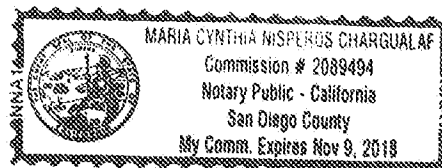
On 12/3/2015 before me, MARIA CYNTHIA N. CHARGUALAF, Notary Public, personally appeared Cara Ann TRACEWELL, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in 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)



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STATE OF CALIFORNIA)

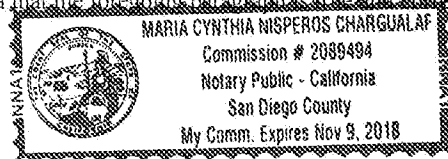
COUNTY OF SAN DIEGO)

On 12/2/2015 before me, MARIA CYNTHIA N. CHARGUAT, 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)



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STATE OF CALIFORNIA)

COUNTY OF _____)

On _____ before me, _____, Notary Public, personally appeared Stefan ANDRAE, 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)

ACCEPTED AND AGREED TO BY ASSIGNEE, Genomatica, Inc.:

Signature: _____

Date: JAN. 5, 2016

Printed Name: NELSON R. BARTON

Title: SVP, RESEARCH & DEVELOPMENT

ASSIGNMENT

WHEREAS, WE, **Anthony P. BURGARD**, citizen of the United States, having a mailing address of 4757 Nexus Center Drive, San Diego, CA 92121 residing at Bellefonte, PA, **Robin E. OSTERHOUT**, citizen of the United States, having a mailing address of 4757 Nexus Center Drive, San Diego, CA 92121 residing at San Diego, CA, **Stephen J. VAN DIEN**, citizen of the United States, having a mailing address of 4757 Nexus Center Drive, San Diego, CA residing at Encinitas, CA, **Cara Ann TRACEWELL**, citizen of the United States, having a mailing address of 4757 Nexus Center Drive, San Diego, CA residing at Solana Beach, CA, **Priti PHARKYA**, citizen of the United States, having a mailing address of 4757 Nexus Center Drive, San Diego, CA 92121 residing at San Diego, CA and **Stefan ANDRAE**, citizen of the United States, having a mailing address of 4757 Nexus Center Drive, San Diego, CA 92121 residing at San Diego, CA, ASSIGNORS, are the inventors of the invention in **MICROORGANISMS AND METHODS FOR ENHANCING THE AVAILABILITY OF REDUCING EQUIVALENTS IN THE PRESENCE OF METHANOL, AND FOR PRODUCING 1,4-BUTANEDIOL RELATED THERETO** for which we have executed an application for a Patent of the United States

☒ which is identified by Jones Day docket no. 12956-302-999/871956-999302

☒ which was filed on February 26, 2015, Application No. 14/424,404

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 4757 Nexus Center Drive, 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, for 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 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 all right to sue for infringement including past infringement.

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 _____, 2015

Anthony P. BURGARD

L.S.

Date _____, 2015

Robin E. OSTERHOUT

L.S.

Date _____, 2015 _____ L.S.
Stephen J. VAN DIEN

Date _____, 2015 _____ L.S.
Cara Ann TRACEWELL

Date _____, 2015 _____ L.S.
Priti PHARKYA

Date 12/04, 2015 _____ L.S.
Stefan Andrae
Stefan ANDRAE

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF _____)

COUNTY OF _____)

On _____ before me, _____, 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.

WITNESS my hand and official seal.

Signature _____ (Seal)

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STATE OF CALIFORNIA)

COUNTY OF _____)

On _____ before me, _____, 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 _____ (Seal)

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STATE OF CALIFORNIA)

COUNTY OF _____)

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Signature _____ (Seal)

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STATE OF CALIFORNIA)

COUNTY OF _____)

On _____ before me, _____, Notary Public, personally appeared Cara Ann TRACEWELL, 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.

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Signature _____ (Seal)



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STATE OF CALIFORNIA)

COUNTY OF _____)

On _____ before me, _____, 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.

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WITNESS my hand and official seal.

Signature _____ (Seal)

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STATE OF CALIFORNIA)

COUNTY OF San Diego)

On December 4, 2015 before me, Marlena D. Rodriguez, Notary Public, personally appeared Stefan ANDRAE, 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 Marlena D. Rodriguez (Seal)



ACCEPTED AND AGREED TO BY ASSIGNEE, Genomatica, Inc.:

Signature: _____

Date: _____

Printed Name: MarySusan Howard

Title: Vice President, Legal Affairs