

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6563815

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
BRIAN CHAIKIND	09/10/2020
HENDRIK M. VAN ROSSUM	11/03/2020
AARON MILLER	11/03/2020
PAUL PERKOVICH	12/08/2020
SHAWN SZYJKA	12/04/2020
KEDAR PATEL	12/04/2020
RECEIVING PARTY DATA	
Name:	ZYMERGEN INC.
Street Address:	5980 HORTON STREET
Internal Address:	SUITE 105
City:	EMERYVILLE
State/Country:	CALIFORNIA
Postal Code:	94608
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	16541354
PCT Number:	US2019046555
CORRESPONDENCE DATA	
Fax Number:	(202)842-7899
<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:	202-842-7800
Email:	zIPPatentDocketingMailboxUS@cooley.com, kkeovongphet@cooley.com
Correspondent Name:	COOLEY LLP ATTN: IP DOCKETING DEPARTMENT
Address Line 1:	1299 PENNSYLVANIA AVENUE, NW
Address Line 2:	SUITE 700
Address Line 4:	WASHINGTON, D.C. 20004
ATTORNEY DOCKET NUMBER:	ZYMR-030/02US 327574-2150
NAME OF SUBMITTER:	MARCELO C. POMERANZ

SIGNATURE:	/Marcelo C. Pomeranz/
DATE SIGNED:	02/22/2021
Total Attachments: 7 source=ZYMR-030_02WO_Assignment#page1.tif source=ZYMR-030_02WO_Assignment#page2.tif source=ZYMR-030_02WO_Assignment#page3.tif source=ZYMR-030_02WO_Assignment#page4.tif source=ZYMR-030_02WO_Assignment#page5.tif source=ZYMR-030_02WO_Assignment#page6.tif source=ZYMR-030_02WO_Assignment#page7.tif	

ASSIGNMENT

Brian CHAIKIND, Hendrik M. VAN ROSSUM, Aaron MILLER, Paul PERKOVICH, Shawn SZYJKA, and Kedar PATEL, all having a mailing address of c/o Zymergen Inc., 5980 Horton Street, Suite 105, Emeryville, CA 94608, UNITED STATES OF AMERICA (each referred to as “Assignor”) have made an invention(s) (the “Invention(s)”) set forth in an application for patent entitled **APPLICATIONS OF CRISPRI IN HIGH THROUGHPUT METABOLIC ENGINEERING**, and which is a:

- (1) non-provisional application
- (a) to be filed herewith; or
- (b) bearing Application No. **16/541,354**, and filed on **August 15, 2019**; and/or
- (2) PCT application
- (a) bearing Application No. **PCT/US2019/046555**, and filed on **August 14, 2019**.

WHEREAS, Zymergen Inc., a corporation having its principal place of business at 5980 Horton Street, Suite 105, Emeryville, CA 94608, its successors, legal representatives and assigns, (the “Assignee”), is desirous of acquiring the entire right, title, and interest in: the Invention(s); the application(s) for patent identified above; the right to file applications for patent of the United States or other countries on the Invention(s); any application(s) for patent of the United States or other countries claiming priority to, and/or the benefit of, these applications; any provisional or other right to recover any and all past, present, and future damages, including royalties, for any and all past, present, and future infringements of these application(s); and any and all patent(s) of the United States or other countries that may be granted therefor or thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee or a predecessor in interest of the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee or a predecessor in interest of the Assignee then in confirmation of said prior agreement, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the Assignor’s entire right, title, and interest in:

- (a) the Invention(s);
- (b) the application(s) for patent identified above;

(c) the right to file applications for patent of the United States or other countries on the Invention(s), including all rights under the Hague Convention, the Paris Convention for the Protection of Industrial Property, and under the Patent Cooperation Treaty, and all rights of claiming priority in any country of the world;

(d) any application(s) for patent of the United States or other countries claiming the Invention(s);

(e) any application(s) for patent of the United States or other countries claiming priority to, and/or the benefit of, at least one of the application(s) for patent identified above or any application(s) for patent claiming the Invention(s), including any priority application(s), substitute application(s), division(s), continuation(s), and continuation(s)-in-part;

(f) any provisional or other right to recover any and all past, present, and future damages, including royalties, for any and all past, present, and future infringements of any application for patent identified in the preceding paragraphs (b)-(e) and of any and all patent(s) granted based thereon in the United States and in all other countries; and

(g) any patent(s) of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (b)-(e), including any reissue(s), reexamination(s), revival(s), renewal(s) and extension(s) of said patent(s).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made.

The Assignor hereby represents to the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, or if applicable, at such time said prior agreement was executed, the Assignor is a lawful owner of an undivided interest in the entire right, title, and interest in and to the Invention(s), that the Invention(s) are unencumbered, except, if applicable, by obligation to assign in accordance with said prior agreement, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth herein, and that Assignor will not make or enter into any assignment, sale, agreement or encumbrance which would conflict with these presents.

The Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Invention(s), said application(s), and said patent(s), including interference and derivation proceedings, and any post-grant proceedings (e.g., opposition

proceedings, post-grant reviews, *Inter partes* reviews, supplemental examinations, etc.) without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

The Assignor hereby authorizes and requests the attorneys of COOLEY LLP to insert in the spaces provided above the filing date, the application number, and the attorney docket number of the application(s) identified above when known.

The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

The Assignor and Assignee understand that electronic signatures are acceptable and that, by signing electronically, signatories agree to the use of electronic signatures.

Date: September 10, 2020 Signature: Brian Chaikind
Brian Chaikind

Date: November 3, 2020 Signature: Hendrik M. VAN ROSSUM
Hendrik M. Van Rossum

Date: November 3, 2020 Signature: Aaron MILLER
Aaron Miller

Date: December 8, 2020 Signature: Paul Perkovich
Paul Perkovich

Date: December 4, 2020 Signature: Shawn SZYJKA
Shawn Szyjka

Date: December 4, 2020 Signature: Kedar PATEL
Kedar Patel

For and on behalf of ASSIGNEE:

Date: February 10, 2021

By: Mina Kim

Name: **Mina Kim**
Title: **Chief Legal Officer**
Company: **Zymergen Inc.**

Certificate Of Completion

Envelope Id: 8AAF25A7354E405D85276AAF0829BB8C	Status: Completed
Subject: Please DocuSign: ZYMR-030_01WO_Assignment.pdf	
Client Number: ZYM0045-WO-00	
Matter Number: ZYMR-030/01WO 327574-2149	
Source Envelope:	
Document Pages: 4	Signatures: 7
Certificate Pages: 6	Initials: 0
AutoNav: Enabled	Envelope Originator:
Envelopeld Stamping: Disabled	Kommala
Time Zone: (UTC-08:00) Pacific Time (US & Canada)	101 California Street
	San Francisco, CA 94111
	kkeovongphet@cooley.com
	IP Address: 73.39.137.168

Record Tracking

Status: Original	Holder: Kommala	Location: DocuSign
8/12/2020 6:54:56 AM	kkeovongphet@cooley.com	

Signer Events

Brian Chaikind
 brian.chaikind@gmail.com
 Security Level: Email, Account Authentication
 (None)

Signature

Brian Chaikind

Signature Adoption: Pre-selected Style
 Using IP Address: 166.216.158.24
 Signed using mobile

Timestamp

Sent: 8/13/2020 9:56:20 AM
 Resent: 9/10/2020 8:06:41 AM
 Viewed: 9/10/2020 11:46:27 AM
 Signed: 9/10/2020 11:46:58 AM

Electronic Record and Signature Disclosure:
 Accepted: 9/10/2020 11:46:27 AM
 ID: c3fc07a7-e378-4158-86a1-7dad83916192

Hendrik M. VAN ROSSUM
 contact@harmenvanrossum.nl
 Security Level: Email, Account Authentication
 (None)

Hendrik M. VAN ROSSUM

Signature Adoption: Pre-selected Style
 Using IP Address: 85.149.1.236
 Signed using mobile

Sent: 9/10/2020 11:46:59 AM
 Resent: 10/2/2020 1:59:42 PM
 Resent: 11/3/2020 7:09:51 AM
 Viewed: 10/2/2020 2:30:26 PM
 Signed: 11/3/2020 9:54:09 AM

Electronic Record and Signature Disclosure:
 Accepted: 10/2/2020 2:30:26 PM
 ID: d296fbe1-8b6d-46a1-b2df-af092440e9a7

Aaron MILLER
 amiller@zymergen.com
 Security Level: Email, Account Authentication
 (None)

Aaron MILLER

Signature Adoption: Pre-selected Style
 Using IP Address: 99.145.195.95

Sent: 11/3/2020 9:54:11 AM
 Viewed: 11/3/2020 10:37:58 AM
 Signed: 11/3/2020 10:38:29 AM

Electronic Record and Signature Disclosure:
 Accepted: 11/3/2020 10:37:58 AM
 ID: 9c908d55-5f41-4e56-83e2-20aedd3a84ab

Kedar PATEL
 kpatel@zymergen.com
 Security Level: Email, Account Authentication
 (None)

Kedar PATEL

Signature Adoption: Pre-selected Style
 Using IP Address: 73.93.178.20

Sent: 12/4/2020 3:53:39 PM
 Viewed: 12/4/2020 4:05:28 PM
 Signed: 12/4/2020 4:07:19 PM

Electronic Record and Signature Disclosure:

Signer Events	Signature	Timestamp
---------------	-----------	-----------

Accepted: 12/4/2020 4:05:28 PM
ID: b6e87a4a-4988-454b-b7e1-1c7a890b2a75

Paul PERKOVICH
paulperkovich2017@u.northwestern.edu
Security Level: Email, Account Authentication
(None)



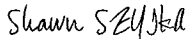
Signature Adoption: Drawn on Device
Using IP Address: 72.33.2.60

Sent: 11/3/2020 10:38:31 AM
Resent: 11/24/2020 8:57:53 AM
Viewed: 12/8/2020 8:30:06 AM
Signed: 12/8/2020 8:31:13 AM

Electronic Record and Signature Disclosure:

Accepted: 12/8/2020 8:30:06 AM
ID: ec5ab9ce-f132-4e17-8238-385b53f40481

Shawn SZYJKA
sszyjka@zymergen.com
Security Level: Email, Account Authentication
(None)



Signature Adoption: Pre-selected Style
Using IP Address: 52.24.193.172

Sent: 12/4/2020 3:53:39 PM
Viewed: 12/4/2020 4:16:11 PM
Signed: 12/4/2020 10:27:20 PM

Electronic Record and Signature Disclosure:

Accepted: 12/4/2020 4:16:11 PM
ID: 4d237e17-3ab9-4a7a-8c76-5465174921a5

Mina Kim
mkim02@zymergen.com
Chief Legal Officer
Security Level: Email, Account Authentication
(None)



Signature Adoption: Pre-selected Style
Using IP Address: 24.4.101.140

Sent: 12/8/2020 8:31:15 AM
Resent: 12/15/2020 3:22:57 PM
Resent: 12/29/2020 2:23:55 PM
Resent: 1/14/2021 9:10:42 AM
Resent: 2/10/2021 2:10:50 PM
Viewed: 2/10/2021 2:11:07 PM
Signed: 2/10/2021 2:11:17 PM

Electronic Record and Signature Disclosure:

Accepted: 2/10/2021 2:11:07 PM
ID: a3630f75-dd88-4564-8500-ae81d4c904ac

In Person Signer Events	Signature	Timestamp
-------------------------	-----------	-----------

Editor Delivery Events	Status	Timestamp
------------------------	--------	-----------

Agent Delivery Events	Status	Timestamp
-----------------------	--------	-----------

Intermediary Delivery Events	Status	Timestamp
------------------------------	--------	-----------

Certified Delivery Events	Status	Timestamp
---------------------------	--------	-----------

Carbon Copy Events	Status	Timestamp
--------------------	--------	-----------

Chris Holly
cholly@cooley.com
Associate
Cooley LLP
Security Level: Email, Account Authentication
(None)



Sent: 2/10/2021 2:11:19 PM

Electronic Record and Signature Disclosure:

Not Offered via DocuSign

Claudia Chavez
cchavez@zymergen.com
Security Level: Email, Account Authentication
(None)



Sent: 2/10/2021 2:11:19 PM

Carbon Copy Events	Status	Timestamp
--------------------	--------	-----------

Electronic Record and Signature Disclosure:
Not Offered via DocuSign

Kommala Keovongphet
kkeovongphet@cooley.com
US Filing Specialist
Cooley LLP
Security Level: Email, Account Authentication
(None)

COPIED

Sent: 2/10/2021 2:11:19 PM
Resent: 2/10/2021 2:11:23 PM
Viewed: 2/10/2021 3:33:24 PM

Electronic Record and Signature Disclosure:
Not Offered via DocuSign

Witness Events	Signature	Timestamp
----------------	-----------	-----------

Notary Events	Signature	Timestamp
---------------	-----------	-----------

Envelope Summary Events	Status	Timestamps
-------------------------	--------	------------

Envelope Sent	Hashed/Encrypted	8/13/2020 9:56:20 AM
Certified Delivered	Security Checked	2/10/2021 2:11:07 PM
Signing Complete	Security Checked	2/10/2021 2:11:17 PM
Completed	Security Checked	2/10/2021 2:11:19 PM

Payment Events	Status	Timestamps
----------------	--------	------------

Electronic Record and Signature Disclosure
--