

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6700209

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
DAVID R. DODDS	10/24/2019
WILLIAM B. ARMIGER	05/15/2020
MATTHEOS KOFFAS	05/13/2020
RECEIVING PARTY DATA	
Name:	BIOCHEMINSIGHTS, INC.
Street Address:	1379 WISTERIA DRIVE
City:	MALVERN
State/Country:	PENNSYLVANIA
Postal Code:	19355
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16911458
CORRESPONDENCE DATA	
Fax Number:	(617)310-6001
<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:	6173106000
Email:	BOSIPMAIL@GTLAW.COM
Correspondent Name:	FANG XIE
Address Line 1:	GREENBERG TRAURIG, LLP
Address Line 2:	ONE INTERNATIONAL PLACE, SUITE 2000
Address Line 4:	BOSTON, MASSACHUSETTS 02110
ATTORNEY DOCKET NUMBER:	147577-010306/DIV
NAME OF SUBMITTER:	FANG XIE
SIGNATURE:	/Fang Xie, Reg. No 77,378/
DATE SIGNED:	05/10/2021
Total Attachments: 6	
source=010306Assignment#page1.tif	
source=010306Assignment#page2.tif	
source=010306Assignment#page3.tif	

source=010306Assignment#page4.tif

source=010306Assignment#page5.tif

source=010306Assignment#page6.tif

ASSIGNMENT

WHEREAS, We, David R. Dodds, William B. Armiger and Mattheos Koffas have invented one or more inventions described in an application (or provisional application) for Letters Patent of the United States entitled:

**Electrochemical Bioreactor Module and Engineered Metabolic Pathways
for 1-Butanol Production with High Carbon Efficiency**

and identified by

☒ Attorney Docket No. 147577-010301/US, and/or executed by us on even date herewith and about to be filed in the United States Patent Office;

☒ Application No. 15/552,647 filed in the United States Patent and Trademark Office on August 22, 2017; and

WHEREAS, Biocheminsights, Inc. (hereinafter "ASSIGNEE"), a corporation having a usual place of business at 1379 Wisteria Drive, Malvern, PA 19355, desires to acquire an interest therein, in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the invention(s) described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon or claim priority under United States law or international convention, including but not limited to non-provisionals, continuations, divisionals, reissues, reexaminations, extensions, and substitutions of said application or such Letters Patent, and any right, title and interest we may have in provisional applications to which said application claims priority; said invention(s), applications and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all of our rights arising under or pursuant to any and all United States laws and international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent, including but not limited to any cause(s) of action and damages accruing prior to this assignment. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention(s), carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all Letters Patent to ASSIGNEE in its own name as assignee of our entire right, title

and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention(s) to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including the execution of non-provisional, substitution, continuation, divisional, reissue, reexamination, or corresponding foreign or international patent applications;

AND, we hereby further agree to provide statements or testimony in any interference or other proceeding in which said invention(s) or any application or patent directed thereto may be involved;

AND, we hereby authorize ASSIGNEE or its attorneys or agents to insert the correct serial number and filing date into this assignment, if none is indicated on the date of our execution of this assignment;

AND, we hereby authorize and request the Director of the United States Patent and Trademark Office to issue such Letters Patent as shall be granted upon said application, or applications based thereon, to said ASSIGNEE, its successors, assigns, or legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands-and affixed our seals on the date(s) set forth below.

Date: October 24, 2019

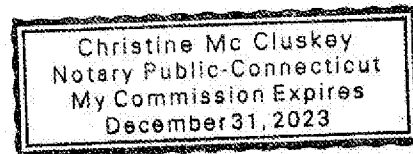
Inventor:

David R. Dodds
David R. Dodds

State/Commonwealth of Connecticut
County of Hartford) ss Farmington

On this 24th day of October, 2019 before me, the undersigned notary public, personally appeared David R. Dodds, proved to me through satisfactory evidence of identification, which were U.S. Passport, to be the person whose name is signed on the preceding or attached document in my presence.

Christine Mc Cluskey
Notary Public
My Commission Expires: 12/31/23



WITNESS 1

Witness Signature: _____

Witness Name: _____

Witness Date: _____

WITNESS 2

Witness Signature: _____

Witness Name: _____

Witness Date: _____

Date: 5/15/20

Inventor:

William B. Armiger
William B. Armiger

State/Commonwealth of _____)
County of _____) ss

On this 15 day of MAY, 2020, before me, the undersigned notary public,
personally appeared William B. Armiger, proved to me through satisfactory evidence of identification,
which were _____, to be the person whose name is signed on the
preceding or attached document in my presence.

Notary Public

My Commission Expires: _____

WITNESS 1

Witness Signature: Barbara D. Haines

Witness Name: Barbara D. Haines

Witness Date: 5/15/2020

WITNESS 2

Witness Signature: _____

Witness Name: _____

Witness Date: _____

Date: 05/13/2020

Inventor: Mattheos Koffas
Mattheos Koffas

State/Commonwealth of _____)
County of _____) ss

On this ____ day of _____, 20__, before me, the undersigned notary public, personally appeared Mattheos Koffas, proved to me through satisfactory evidence of identification, which were _____, to be the person whose name is signed on the preceding or attached document in my presence.

Notary Public
My Commission Expires: _____

WITNESS 1

Witness Signature: _____

Witness Name: _____

Witness Date: _____

WITNESS 2

Witness Signature: _____

Witness Name: _____

Witness Date: _____

Will B. A.
Assignee Signature
Biocheminsights, Inc.

5/15/20
Date

WILLIAM R. ARMIGER, PRESIDENT
Assignee Printed Name

State/Commonwealth of _____)
County of _____) ss

On this ____ day of _____, 20____, before me, the undersigned notary public,
personally appeared _____, proved to me through satisfactory evidence of identification,
which were _____, to be the person whose name is signed on the preceding or attached
document in my presence.

Notary Public
My Commission Expires: _____

WITNESS 1

Witness Signature: Barbara D. Haines

Witness Name: Barbara D. Haines

Witness Date: 5/15/2020

WITNESS 2

Witness Signature: _____

Witness Name: _____

Witness Date: _____