506543580 03/09/2021 PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY D	ΑΤΑ				
		Name	Execution Date		
JEFFREY S. MOORE			11/08/2019		
KENNETH E. SCHWIET	04/15/2020				
KEVIN J. SCHWARZ	11/08/2019				
RECEIVING PARTY DA	ATA				
Name:	BOARD	DARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, THE			
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State/Country:	ILLINO	ILLINOIS			
Postal Code:	61801	61801			
PROPERTY NUMBERS	6 Total: 1	Number			
Application Number:		15734182			
Fax Number:		(414)271-3552 • the e-mail address first; if that is uns	successful, it will be sent		
using a fax number, if	provided	l; if that is unsuccessful, it will be sen			
Phone:					
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NAME OF SUBMITTER:		STEPHANIE MCNUTT	STEPHANIE MCNUTT		
SIGNATURE:		/Stephanie McNutt/	/Stephanie McNutt/		
DATE SIGNED:		03/09/2021			
Total Attachments: 5 source=NU2018-093-02 UIUC)#page1.tif	PCTUS20	019035215 Executed Assignment (Moore	e, Schwieter, and Schwarz to		

source=NU2018-093-02 PCTUS2019035215 Executed Assignment (Moore, Schwieter, and Schwarz to UIUC)#page2.tif source=NU2018-093-02 PCTUS2019035215 Executed Assignment (Moore, Schwieter, and Schwarz to UIUC)#page3.tif source=NU2018-093-02 PCTUS2019035215 Executed Assignment (Moore, Schwieter, and Schwarz to UIUC)#page4.tif source=NU2018-093-02 PCTUS2019035215 Executed Assignment (Moore, Schwieter, and Schwarz to UIUC)#page4.tif

ASSIGNMENT

WHEREAS, we:

- 1. JEFFREY S. MOORE, a resident of Savoy, IL; AND
- 2. KENNETH E. SCHWIETER, a resident of Champaign, IL;
- 3. KEVIN J. SCHWARZ, a resident of Urbana, IL;

referred to hereinafter as **ASSIGNORS**, have invented a certain invention entitled "EXPANDING THE CHEMICAL SUBSTRATES FOR GENETIC CODE REPROGRAMMING", for which the following patent applications for Letters Patent:

Application Type	Application Serial No.	Filing Date
UIUC2018-076-02(PCT)	PCT/US19/35215	June 3, 2019

was submitted or filed;

WHEREAS, The Board of Trustees of the University of Illinois, an entity organized and existing under the laws of the State of Illinois, having a place of business at 352 Henry Administration Building, 506 South Wright Street, Urbana, IL 61801, hereinafter referred to as **ASSIGNEE**, is desirous of acquiring our entire right, title and interest in, to and under said invention and the United States Letters Patent to be obtained therefore.

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN:

Be it known that in consideration of my contractual and other legal obligations, and other good and valuable consideration, the receipt of which is hereby acknowledged, the ASSIGNORS each confirms their assignment to the ASSIGNEE, have sold, assigned, transferred, and set over to the ASSIGNEE, and by these presents do hereby sell, assign, transfer and set over unto the ASSIGNEE, its successors, legal representatives and assigns, the full, exclusive and entire right, title and interest in, to and under said invention and the said United States Application and all divisions, renewals, continuations and subsequent applications 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

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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 of said patent applications listed herein and applications thereof and therefrom under The International Union for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application and applications thereof and therefrom 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;

ASSIGNORS each hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States, 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;

ASSIGNORS hereby represents, warrants and covenants that ASSIGNORS have the full right to convey the entire interest herein assigned and that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

ASSIGNORS further covenants that ASSIGNEE, its successors, legal representatives and assigns will, upon its request, be provided promptly by said ASSIGNORS with all pertinent facts and documents relating to said applications, said invention and said Letters Patent as may be known and accessible to said ASSIGNORS, and said ASSIGNORS will testify as to the same in any interference, litigation or any other adversarial proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its successors, legal representatives and assigns any and all applications, rightful oaths, affidavits, papers or instruments required or desirable to apply for, obtain, maintain and enforce said applications, said invention and said Letters Patent, and generally cooperate and do everything possible to aid in carrying out the purposes hereof;

ASSIGNORS authorizes and requests by the execution of this assignment for an attorney of record for ASSIGNEE, its successors, legal representatives or assigns to insert into this assignment the filing date and serial number of said application when officially known, and correct any minor typographical errors.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal (if applicable) the day and year set opposite my signature.

DATE 18/19 JEFFREY S. MOORE

STATE OF ______) ---

COUNTY OF Champingness

I, <u>Ashley Trimmell</u>, a Notary Public in and for the County and State aforesaid, do hereby certify that JEFFREY S. MOORE, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that (s)he signed, sealed and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

88.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this 2 day of Accember . 2019.

Alley Jummell

(SEAL)

ASHLEY TRIMMELL OFFICIAL SEAL Notary Public, State of illinois Commission Expires May 24, 2020

My Commission Expires: May 24, 2020

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UEXC2018-078-02(PCT)

Date 4-15-2026

KENNETH SCHWIETER

Certificate of Witness

I acknowledge that I was personally present and did see the above person, who is personally known to me, duly execute the above assignment on the date therein set forth.

Signature of Wilness Bury Dury	
Printed Name of Witness / Restruction Schmulet-Cr	
Address of Wilness Millimit Shi BAUSAN Blocking West City man bower	1433
Date 9-19-20	3526

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KEVIN J. SCHWARZ

11/8/19

STATE OF <u>1L</u>)) ss. COUNTY OF <u>Champaign</u>) 1. <u>Ashley Trimmell</u>, a Notary Public in and for the County and State aforesaid, do hereby certify that KEVIN J. SCHWARZ, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that (s)he signed, sealed and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this & day of November , 2019.

y Fummell

Nofarv

(SEAL)



My Commission Expires: Ma_{4} 24, 3020

RECORDED: 03/09/2021