

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT7422515

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
BLAKE A. WIEDENHEFT	07/07/2022
JOSEPH EDWARD NICHOLS	07/07/2022
ANNA A. NEMUDRAIA	07/07/2022
ARTEM A. NEMUDRYI	07/07/2022
RECEIVING PARTY DATA	
Name:	MONTANA STATE UNIVERSITY
Street Address:	P.O. BOX 170531
City:	BOZEMAN
State/Country:	MONTANA
Postal Code:	59717
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	17811391
PCT Number:	US2022073538
CORRESPONDENCE DATA	
Fax Number:	(703)770-7901
<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:	7037707900
Email:	Docket_IP@pillsburylaw.com, cynthia.stroesser@pillsburylaw.com
Correspondent Name:	PILLSBURY WINTHROP SHAW PITTMAN LLP
Address Line 1:	ATTENTION: DOCKETING DEPARTMENT
Address Line 2:	PO BOX 10500
Address Line 4:	MCLEAN, VIRGINIA 22102
ATTORNEY DOCKET NUMBER:	065869-0570003/0570004
NAME OF SUBMITTER:	HEAN L. KOO
SIGNATURE:	/Hean L. Koo/
DATE SIGNED:	07/08/2022
Total Attachments: 6	

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ASSIGNMENT

WHEREAS, We, Blake A. Wiedenheft, Joseph Edward Nichols, Anna A. Nemudraia, and Artem A. Nemudryi, have invented certain new and useful inventions disclosed in the following applications:

Application No.	Filed On:	Title:
63/219,722	7/8/2021	PROGRAMMABLE EDITING OF THE SARS-COV-2 GENOME WITH A TYPE-III CRISPR-CAS COMPLEX

WHEREAS, Montana State University, an educational institution under the laws of the State of Montana with a mailing address of P.O. Box 170531, Bozeman, MT 59717 (hereinafter, the ASSIGNEE), desires to acquire the entire right to, title to, and interest in said inventions, improvements to the inventions, the Application, and subsequent applications described below, and any Letters Patent to be granted and issued thereon, including the right to claim priority to the Application;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over to ASSIGNEE the entire right to, title to, and interest in said inventions, improvements, the Application, and all applications claiming priority thereto including all utility filings and all divisions, continuations, and continuations-in-part thereof, and all United States Letters Patents which may be granted thereon and all reissues, reexaminations, and extensions thereof; and all priority rights under all available International Agreements, Treaties, and Conventions for the protection of intellectual property in its various forms in every participating country, all national and regional applications deriving therefrom, and all subsequent patents and divisional patents, and all applications for patents (including related rights such as utility-model registrations, inventor's certificates, and the like) heretofore or hereafter filed for said inventions and/or improvements in any foreign countries, and all patents (including all continuations, continuations-in-part, divisions, extensions, renewals, substitutes, and reissues thereof) granted for said inventions and/or improvements in any foreign countries; and I hereby authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all patents for said inventions and/or improvements to ASSIGNEE in accordance with the terms of this Assignment;

AND I HEREBY covenant that we have full right to convey the entire interest herein sold, assigned, transferred, and set over; and that I have not executed, and will not execute, any agreement in conflict herewith;

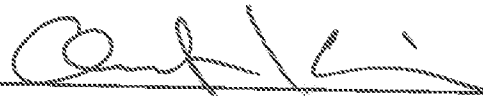
AND I HEREBY further covenant and agree that I will communicate to ASSIGNEE any facts known to me respecting said inventions, improvements, the Application, and applications claiming priority thereto, testify in any legal proceeding, sign all lawful papers, execute all documents for subsequent patent filings, make all rightful oaths, and generally do everything possible to aid ASSIGNEE to obtain and enforce proper patent protection for said inventions and/or improvements in all countries.

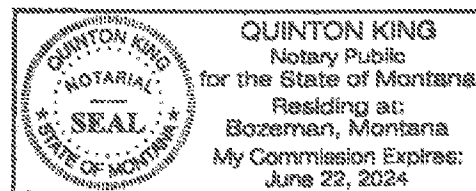
NAME AND SIGNATURE OF ASSIGNOR(S)		
Name: Blake A. Wiedenheft	Signature: 	Date: 7/7/2022

State of Montana
County of Gallatin) ss.

On 7.7.22, before me, Quinton King, Notary Public, personally appeared Blake A. Wiedenheft personally known to me or 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 of Notary Public



My Commission Expires: 6.22.24

{Place Notary Seal Above}

NAME AND SIGNATURE OF ASSIGNOR(S)		
Name: Joseph Edward Nichols	Signature: <u>Joseph C Nichols</u>	Date: <u>7-7-2022</u>

State of North Dakota)
County of Williams) ss.

On 7-7-2022, before me, Jeremy Hansen, Notary Public, personally appeared Joseph Edward Nichols, personally known to me or 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.

Jeremy Hansen
Signature of Notary Public

My Commission Expires: 9-15-23

JEREMY HANSEN
Notary Public
State of North Dakota
My Commission Expires September 15, 2023

{Place Notary Seal Above}

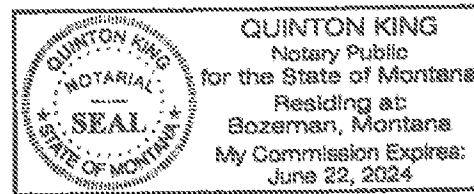
NAME AND SIGNATURE OF ASSIGNOR(S)		
Name: Anna A. Nemudraia	Signature: 	Date: 7/7/22

State of Montana)
 County of Gallatin) ss.

On 7.7.22, before me, Quinton King, Notary Public, personally appeared Anna A. Nemudraia, personally known to me or 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.

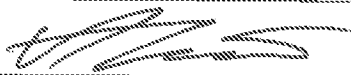
WITNESS my hand and official seal.


 Signature of Notary Public



My Commission Expires: 6.22.24

{Place Notary Seal Above}

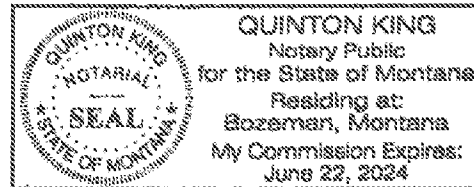
NAME AND SIGNATURE OF ASSIGNOR(S)		
Name: Artem A. Nemudryi	Signature: 	Date: 07-07-2022

State of Montana
County of Gallatin) ss.

On 7.7.22, before me, Quinton King, Notary Public, personally appeared Artem A. Nemudryi, personally known to me or 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 of Notary Public



My Commission Expires: 6.22.24

{Place Notary Seal Above}

NAME AND SIGNATURE OF ASSIGNEE		
Name: Daniel Juliano	Signature: <u>Daniel R. Juliano</u>	Date: 7-7-22
Title: Director, Technology Transfer Office		
Assignee Name: Montana State University		

State of Montana)
) ss.
 County of Gallatin)

On July 7, 2022, before me, Madeleine J. Doak, Notary Public, personally appeared Daniel Juliano, personally known to me or 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.

Madeleine J. Doak
 Signature of Notary Public

My Commission Expires: 5/7/2025

(Place Notary Seal Above)
