

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT8413527

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BRIAN FREED	12/11/2019
KIRSTEN ANDERSON	02/08/2020
CHRISTINA ROARK	12/11/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE
<b>Street Address:</b>	1800 GRANT STREET, 8TH FLOOR
<b>City:</b>	DENVER
<b>State/Country:</b>	COLORADO
<b>Postal Code:</b>	80203
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16609175
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	
<b>Phone:</b>	404-872-7000
<b>Email:</b>	IPDocketing@wbd-us.com
<b>Correspondent Name:</b>	WOMBLE BOND DICKINSON (US) LLP
<b>Address Line 1:</b>	ATTN: IP DOCKETING
<b>Address Line 2:</b>	P.O. BOX 7037
<b>Address Line 4:</b>	ATLANTA, GEORGIA 30357-0037
<b>ATTORNEY DOCKET NUMBER:</b>	R117813 1010US (8.1)
<b>NAME OF SUBMITTER:</b>	JEFFREY S. WHITTLE
<b>SIGNATURE:</b>	/Jeffrey S. Whittle/
<b>DATE SIGNED:</b>	01/31/2024
<b>Total Attachments: 6</b>	
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source=P282001.WO.US.01 - Executed Assignment to The Regents#page6.tif

**PATENT ASSIGNMENT**

**PARTIES TO THE ASSIGNMENT:**

**Assignor(s):**

Brian Freed  
12705 E. Montview Blvd., Suite 250  
Aurora, Colorado 80045  
United States

Kirsten Anderson  
12705 E. Montview Blvd., Suite 250  
Aurora, CO 80045  
United States

Christina Roark  
12705 E. Montview Blvd., Suite 250  
Aurora, CO 80045  
United States

**Assignee:**

The Regents of the University of Colorado, A Body Corporate  
1800 Grant Street, 8<sup>th</sup> Floor  
Denver, Colorado 80203  
United States

State of Incorporation: Colorado

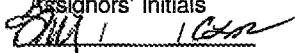
**PATENT APPLICATION SUBJECT TO THE ASSIGNMENT:**

Serial Number ..... 16/609,175  
Filing Date ..... 25 April 2018  
Attorney Docket No. .... P282001.WO-US.01  
Title: METHODS OF TREATING RHEUMATOID ARTHRITIS USING RNA-  
GUIDED GENOME EDITING OF HLA GENE

WHEREAS, the Assignor(s) identified above (hereinafter, individually and collectively the "Assignor"), have invented certain new and useful processes, methods, machines, devices, systems, manufactures, and/or compositions of matter, or new and useful improvements thereof (the "Invention"), disclosed and described in an application for Letters Patent under the Patent Cooperation Treaty designating, among other nations, the United States ("U.S.") filed on the filing date indicated above in the United States Patent and Trademark Office ("USPTO") as Receiving Office and identified by the title, application number, and/or attorney docket number indicated above (the "Patent Application"); and

WHEREAS, Assignee, a corporation organized and existing under the laws of the State indicated above, and having its principal place of business at the address indicated above, desires to acquire the entire right, title, and interest of Assignor in and to the Invention, the Patent Application and in, to, and under any and all Letters Patent to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, Assignor has sold, assigned, and transferred and does hereby sell, assign, and

Assignors' Initials  


transfer to the Assignee, its successors, legal representatives, and assigns, the entire right, title and interest in and to the Invention, the Patent Application, and any and all U.S. national application filings claiming priority thereto, including all divisional, continuation, continuation-in-part, and continuing prosecution applications that claim priority thereto, and any reexamination and reissue applications thereof; all international, regional, and foreign applications that claim priority to, are counterparts of, or otherwise correspond thereto; the Letters Patent, both in the United States and in countries or regions foreign thereto, that may or shall issue or have issued therefrom; any extensions, substitutes, or renewals thereof; the right to claim priority to the filing date of the Patent Application; any right, title, or interest in and to the Invention under any international conventions; and any and all rights to collect damages for past, present, and future infringement of any U.S. or foreign rights, including provisional rights, which may be, shall be, or have been granted pursuant to the Patent Application (collectively "the Patent Rights"); and;

In the event that the Patent Application claims priority to a provisional application previously filed and the provisional application was previously subject to an assignment from the Assignor, or one or more thereof, to the Assignee, this Assignment shall be considered a confirmatory assignment thereof; and

Assignor further authorizes said Assignee, its successors, and assigns, or anyone it may properly designate, to apply for Letters Patent in the U.S. and any and all foreign countries and regions, in its own name if desired, and otherwise take advantage of the provisions of any international conventions; and

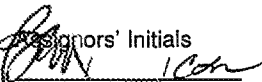
Assignor hereby authorizes and requests transfer of the Patent Application and any further applications, which may be or shall have been filed under the Patent Rights, to the Assignee in accordance herewith and further authorizes and requests any official of any State whose duty consists of issuing patents or other evidence or forms of any industrial property protection issuing from the Patent Application and all related applications, to issue same to the Assignee, its successors, and assigns in accordance herewith; and

Assignor hereby authorizes Assignee, its successors and assigns, or anyone it may properly designate, to insert in this instrument the application number and filing date of the Patent Application once known.

Assignor represents and warrants that Assignor has the right, title, and authority to execute this Assignment and to convey all right, title, and interest in the Patent Rights, and that Assignor has not conveyed nor will convey hereafter all or part of the Patent Rights to a third party, and Assignor hereby covenants and agrees with the Assignee, its successors and assigns, that Assignor will not execute in writing or do any act whatsoever conflicting with these representations; and

Assignor agrees to disclose to the Assignee any information, including, but not limited to, prior art references, that Assignor is presently aware of or becomes aware of in the future that would materially affect the patentability of the Invention or the Patent Application or the present or future validity of the Patent Rights; and

Assignor, including Assignor's successors, legal representatives, or administrators, will at any time upon request, without further or additional consideration, but at the expense of the Assignee, its successors, and assigns, execute such additional writings and do such additional acts as said Assignee, its successors, and assigns, may deem necessary or desirable to perfect




Assignors' Initials  


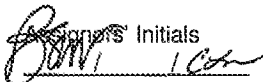
the Assignee's enjoyment of this grant, and render all necessary assistance in making application for, obtaining, and enforcing any of the Patent Rights, including giving testimony in any proceedings or transactions involving such Patent Rights; and

This document may be executed in two or more counterparts and by facsimile, all of which shall be deemed an original, and all of which together shall constitute one and the same instrument; and

Assignor further covenants and agrees that this Assignment is effective as of 25 April 2018.

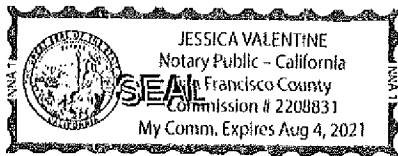
IN WITNESS WHEREOF, the Assignor hereunto has executed this Assignment upon the date indicated below.

STATE OF COLORADO ) CITY OF <u>Aurora</u> ) ss. COUNTY OF <u>Adams</u> )	 SPODRA EGLITE By: Notary Public State of Colorado Notary ID # 20134019029 My Commission Expires 03-21-2021	 Brian Freed <u>12/11/19</u>
Before me, a Notary Public in and for said County and State, personally appeared BRIAN FREED, who executed the foregoing instrument for the purposes and considerations therein expressed.		
Given under my hand and seal of office this <u>11</u> day of <u>December</u> , 2019.		
 Spodra Eglite Notary Public		My Commission Expires: <u>03-21-2021</u>

Assignors' Initials  


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 )  
CITY OF SAN FRANCISCO ) ss.  
COUNTY OF SAN FRANCISCO )



By: Kirsten Anderson  
Kirsten Anderson

Dated: 8 Feb 2020

TODAY, BEFORE ME, a Notary Public in and for the place indicated below, personally appeared KIRSTEN ANDERSON, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that s/he executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person or entity upon behalf of which the person acted, executed the instrument.

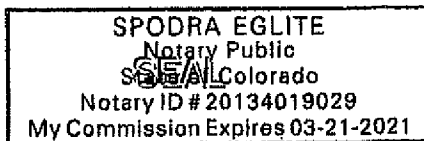
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing is true and correct.

Given under my hand and seal of office this 08 day of February, 2019 <sup>20</sup> 02/08/2020

Jessica Valentine Jessica Valentine, Notary Public  
Notary Public

My Commission Expires: AUGUST 04, 2021

STATE OF COLORADO )  
CITY OF Aurora ) ss.  
COUNTY OF adams )



By: Christina Roark  
Christina Roark

Dated: 12/11/19

Before me, a Notary Public in and for said County and State, personally appeared CHRISTINA ROARK, who executed the foregoing instrument for the purposes and considerations therein expressed.

Given under my hand and seal of office this 11 day of December, 2019.

Spodra Eglite Spodra Eglite  
Notary Public

My Commission Expires: 03-21-2021

Assignors' Initials  
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STATE OF CALIFORNIA )  
CITY OF ) ss.  
COUNTY OF )

SEAL

By: \_\_\_\_\_  
Kirsten Anderson

Dated: \_\_\_\_\_

TODAY, BEFORE ME, a Notary Public in and for the place indicated below, personally appeared KIRSTEN ANDERSON, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that s/he executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person or entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing is true and correct.

Given under my hand and seal of office this \_\_\_\_\_ day of \_\_\_\_\_, 2019.

\_\_\_\_\_  
Notary Public

My Commission Expires: \_\_\_\_\_

STATE OF COLORADO )  
CITY OF Aurora ) ss.  
COUNTY OF adams )

SPODRA EGLITE  
Notary Public  
SEAL  
State of Colorado  
Notary ID # 20134019029  
My Commission Expires 03-21-2021

By: Christina Roark  
Christina Roark

Dated: 12/11/19

Before me, a Notary Public in and for said County and State, personally appeared CHRISTINA ROARK, who executed the foregoing instrument for the purposes and considerations therein expressed.

Given under my hand and seal of office this 11 day of December, 2019.

Spodra Eglite Spodra Eglite  
Notary Public

My Commission Expires: 03-21-2021

Assignors' Initials  
1 Jan

The Assignee hereby acknowledges and accepts the foregoing assignment of rights by Assignor.

IN TESTIMONY WHEREOF, the Assignee, by its undersigned officer, confirms its acceptance on the date set forth below.

ASSIGNEE: The Regents of the University of Colorado, A Body Corporate

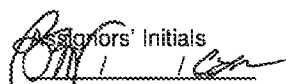
Dated: \_\_\_\_\_  
(signature)

Place: \_\_\_\_\_ By: \_\_\_\_\_  
(printed name of authorized agent of assignee)

Its: \_\_\_\_\_  
(title)

\_\_\_\_\_  
(Witness #1: signature) (Witness #2: signature)

\_\_\_\_\_  
(Witness #1: printed name) (Witness #2: printed name)

Assignors' Initials  


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