

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT7369104

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
DIPENDRA GYAWALI	05/06/2022
SERENUS HUA	05/10/2022
GABOR BUTORA	05/17/2022
GREGORY JOHN MERCER	05/13/2022
RECEIVING PARTY DATA	
Name:	MODERNATX, INC.
Street Address:	200 TECHNOLOGY SQUARE
City:	CAMBRIDGE
State/Country:	MASSACHUSETTS
Postal Code:	02139
PROPERTY NUMBERS Total: 5	
Property Type	Number
Application Number:	63151523
Application Number:	63182428
Application Number:	63191655
Application Number:	17508786
PCT Number:	US2022016902
CORRESPONDENCE DATA	
Fax Number:	(202)672-5399
<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:	202-672-5300
Email:	kpredmore@foley.com, IPDocketing@foley.com
Correspondent Name:	FOLEY & LARDNER LLP
Address Line 1:	3000 K STREET, N.W.
Address Line 2:	SUITE 600
Address Line 4:	WASHINGTON, D.C. 20007
ATTORNEY DOCKET NUMBER:	131986-0203 ET AL.
NAME OF SUBMITTER:	COURTENAY C. BRINCKERHOFF
SIGNATURE:	/Courtenay C. Brinckerhoff/

PATENT

DATE SIGNED:

06/07/2022

Total Attachments: 10

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ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

ModernaTX, Inc.
200 Technology Square
Cambridge
MA 02139
US

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to the invention relating to

**LIPID NANOPARTICLE COMPOSITIONS AND
METHODS OF FORMULATING THE SAME**

as set forth in the following patent applications:

U.S. Provisional Application No. 63/151,523 Filed February 19, 2021
U.S. Provisional Application No. 63/182,428 Filed April 30, 2021
U.S. Provisional Application No. 63/191,655 Filed May 21, 2021
U.S. Patent Application No. 17/508,786 Filed 10/22/2021
PCT Application No. PCT/US2022/016902 Filed February 18, 2022
TW Patent Application No. 111106019 Filed February 18, 2022
EP Patent Application No. 22153335.9 Filed January 25, 2022

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for the above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the Patent Cooperation Treaty, the Paris Convention and any other international agreement; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned or in the

name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the Patent Cooperation Treaty, the Paris Convention, any other international agreement, or otherwise.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto and (e) to not challenge or otherwise contest or assist in the challenge or contestation of validity, enforceability, or infringement, or ownership of or title to any Letters Patent or patent rights granted on said invention(s), improvements, and modifications, in the United States and its territories and all countries foreign thereto, and hereby waives all rights to challenge validity, enforceability, or infringement, or ownership of or title to said Letters Patent and patent rights in the United States and its territories and all countries foreign thereto, including in a U.S. Patent and Trademark Office proceeding, U.S. federal court proceeding, U.S. state court proceeding, and before any other tribunal and in any other forum, whether legal, administrative or otherwise, whether in the United States or its territories or a country foreign thereto, for the full term or terms for which the same may be granted, including any post-grant extensions thereof.

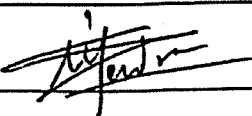
ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of **Foley & Lardner LLP** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

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NAME AND SIGNATURE OF INVENTOR


Name: DIPENDRA GYAWALI

Signature: 

Date: 05/06/2022

NAME AND SIGNATURE OF WITNESSES

Name: Ryan Grady

Signature: 

Date: 5/6/2022

NAME AND SIGNATURE OF INVENTOR

Name: SERENUS HUA

Signature: _____

Date: _____

NAME AND SIGNATURE OF WITNESSES

Name: _____

Signature: _____

Date: _____

NAME AND SIGNATURE OF INVENTOR

Name: GABOR BUTORA

Signature: _____

Date: _____

NAME AND SIGNATURE OF WITNESS

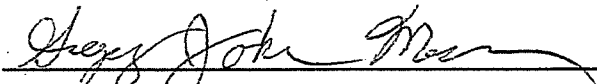
Name: _____

Signature _____

Date: _____

NAME AND SIGNATURE OF INVENTOR

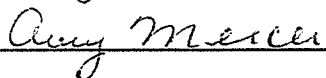
Name: GREGORY JOHN MERCER

Signature: 

Date: 5/13/2022

NAME AND SIGNATURE OF WITNESS

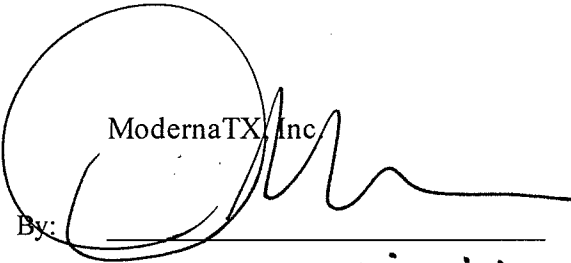
Name: Amy Mercer

Signature 

Date: 5/13/2022

ACCEPTED BY ASSIGNEE

Date: May 25th 2022

ModernaTX, Inc


By: Debra J. Milasincic

Title: SVP Intellectual Property

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NAME AND SIGNATURE OF INVENTOR

Name: DIPENDRA GYAWALI

Signature: _____

Date: _____

NAME AND SIGNATURE OF WITNESSES

Name: _____

Signature _____

Date: _____

NAME AND SIGNATURE OF INVENTOR

Name: SERENUS HUA

Signature:  _____

Date: May 10 2022

NAME AND SIGNATURE OF WITNESSES

Name: TUONG VI NGUYEN

Signature  _____

Date: 5-10-22

NAME AND SIGNATURE OF INVENTOR

Name: GABOR BUTORA

Signature: 

Date: 17MAY2022

NAME AND SIGNATURE OF WITNESS

Name: Jennifer Beaudoin

Signature: 

Date: 17MAY2022

NAME AND SIGNATURE OF INVENTOR

Name: GREGORY JOHN MERCER

Signature: _____

Date: _____

NAME AND SIGNATURE OF WITNESS

Name: _____

Signature: _____

Date: _____

ACCEPTED BY ASSGINEE

ModernaTX, Inc.

Date: _____

By: _____

Name: _____

Title: _____