

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4451252

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	ERIC YI-CHUN HUANG	10/19/2016
RECEIVING PARTY DATA		
Name:	MODERNATX, INC.	
Street Address:	200 TECHNOLOGY SQUARE	
City:	CAMBRIDGE	
State/Country:	MASSACHUSETTS	
Postal Code:	02139	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	14903869
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<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>		
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ATTORNEY DOCKET NUMBER:	50858-038003	
NAME OF SUBMITTER:	MICHAEL J. BELLIVEAU, PH.D.	
SIGNATURE:	/Michael J. Belliveau, Ph.D./	
DATE SIGNED:	06/08/2017	
Total Attachments: 2		
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ASSIGNMENT

For valuable consideration, we,

Full Name of Assignor	City	State (and Country if not USA)
Eric Yi-Chun Huang	Cambridge	Massachusetts

hereby assign to

Full Name of Assignee	State of Incorporation	Business Address
ModernaTX, Inc.	Delaware	200 Technology Square Cambridge, MA 02139

and to its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title, and interest throughout the world in the inventions and improvements which are subject of one or more applications for United States Patent signed by us, identified as:

Title of Application	Filing Date	Serial Number	Attorney Docket No.
COMPOSITIONS COMPRISING SYNTHETIC POLYNUCLEOTIDES ENCODING CRISPR RELATED PROTEINS AND SYNTHETIC SGRNAs AND METHODS OF USE	January 8, 2016	14/903,869	50858-038003

and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment includes said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our names or in its own name for patents, utility models, design registrations, and like rights of exclusion, and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation, to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements, and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment. This assignment also includes the right to sue for past acts of infringement, whether based on any patents listed herein, patents issuing from applications listed herein, or provisional rights from any patent applications listed herein.

IN WITNESS WHEREOF, I hereto set my hand and seal at Moderna TX,
this 19 day of October, 2016

Eric
Eric Yi-Chun Huang

L.S.

STATE OF MA:

COUNTY OF Middlesex:

:SS.

On this 19 day of October, 2016, before me, the undersigned notary public, personally
appeared Eric Yi-Chun Huang, proved to me through satisfactory evidence of identification, which
consisted of Wenjie, to be the person whose name is subscribed to the
foregoing Assignment, and acknowledged that he/she executed the same as his/her free act and deed for
the purposes therein contained.

Eric Broder

Notary Public

My Commission Expires: 10/30/2020

[Notary's Seal Here]

