

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT7978579

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ANDREW W. FRALEY	06/08/2016
RECEIVING PARTY DATA	
Name:	MODERNA THERAPEUTICS, INC.
Street Address:	200 TECHNOLOGY SQUARE
City:	CAMBRIDGE
State/Country:	MASSACHUSETTS
Postal Code:	02139
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17929956
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	50858-068004
NAME OF SUBMITTER:	MICHAEL J. BELLIVEAU, PH.D.
SIGNATURE:	/Michael J. Belliveau, Ph.D./
DATE SIGNED:	05/30/2023
Total Attachments: 2	
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CONFIRMATORY ASSIGNMENT

Full Name of Assignor	City	State (and Country if not USA)
Andrew W. Fraley	Arlington	Massachusetts

acknowledge the assignment, as of the filing dates, to:

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

and to its successors and assigns (collectively hereinafter called the "ASSIGNEE"), for good and valuable consideration paid to ASSIGNOR by ASSIGNEE, the receipt and sufficiency of which is hereby acknowledged, the entire right, title, and interest in, to, and deriving from the invention(s) disclosed in the patent application(s) set forth below throughout the world by operation of law, contract, or otherwise, and any Letters Patent which may hereafter be granted on the same including any application claiming priority, divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, reexaminations, prolongations or extensions thereof.

Title of Application	Filing Date	Serial Number	Attorney Docket No.
POLYNUCLEOTIDE MOLECULES AND USES THEREOF	April 1, 2016	15/026,848	50858-016003
POLYNUCLEOTIDE MOLECULES AND USES THEREOF	April 1, 2016	15/026,836	50858-017005
POLYNUCLEOTIDES CONTAINING A STABILIZING TAIL REGION	September 17, 2015	62/220,050	50858-058001
POLYNUCLEOTIDES CONTAINING A STABILIZING TAIL REGION	January 15, 2016	62/279,466	50858-058002
POLYNUCLEOTIDES CONTAINING A MORPHOLINO LINKER	September 17, 2015	62/219,969	50858-068001
POLYNUCLEOTIDES CONTAINING A MORPHOLINO LINKER	January 15, 2016	62/279,486	50858-068002
CHIMERIC POLYNUCLEOTIDES	March 2, 2016	14/915,959	50858-073003

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 Woburn MA
this 8 day of June, 2016.

Andrew W. Fraley

L.S.

WITNESSED BY

TUMUL SRIVASTAVA
PRINTED NAME