504965827 06/19/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: CORRECTIVE ASSIGNMENT **NATURE OF CONVEYANCE:** Corrective Assignment to correct the MIDDLE INITIAL OF ASSIGNOR NAME SAYDA M. ELBASHIR ON THE RECORDATION COVER previously recorded on Reel 034687 Frame 0084. Assignor(s) hereby confirms the CONVEYING PARTY NAME SAYDA M. ELBASHIR AND NOT SAYDA E. ELBASHIR.

CONVEYING PARTY DATA

Name	Execution Date
ANTONIN DE FOUGEROLLES	05/16/2013
KRISTY M. WOOD	05/16/2013
SAYDA M. ELBASHIR	05/16/2013

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
Patent Number:	8664194

CORRESPONDENCE DATA

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NAME OF SUBMITTER:	MICHAEL J. BELLIVEAU, PH.D.
SIGNATURE:	/Michael J. Belliveau, Ph.D./
DATE SIGNED:	06/19/2018

Total Attachments: 4

PATENT REEL: 046381 FRAME: 0873

EPAS ID: PAT5012573

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PATENT REEL: 046381 FRAME: 0874 12/19/2014 Assignment

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Connective Assignment to connect the RECEIVING PARTY NAME FROM MODERNA THERAPEUTICS TO MODERNA THERAPEUTICS, INC. previously recorded on Reel 030653 Frame 0010. Assignor(s) hereby confirms the RECEIVING PARTY NAME ON THE ATTACHED PATENT ASSIGNMENT COVER SHEET IS INCOMPLETE.

CONVEYING PARTY DATA

Name	Execution Date
ANTONIN DE FOUGEROLLES	05/16/2013
KRISTY M. WOOD	05/16/2013
SAYDA E. ELBASHIR SAYDA M. ELBASHIR	05/16/2013

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:	13898758

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 2030.1011USCON9

NAME OF SUBMITTER:	LORI A. CZERWONKA
Signature:	/Lori A. Czerwonka/
Date:	12/19/2014

Total Attachments: 4

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RECEIPT INFORMATION

EPAS ID: PAT3155565 Receipt Date: 12/19/2014

<u>ASSIGNMENT</u>

For good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, the person(s) named below (referred to as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to Moderna Therapeutics, having a place of business at 161 First Street, 1st Floor, Cambridge, MA 02142, for itself and its successors, transferees, and assigns (herein "ASSIGNEE") the following:

- The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the following provisional application filed under 35 U.S.C. § 111(b), non-provisional application filed under 35 U.S.C. § 111(a), international application filed according to the Patent Cooperation Treaty (PCT), or U.S. national phase application filed under 35 U.S.C. § 371 ("APPLICATION"):
 - Application No. 13/898,758 __, entitled "METHOD FOR PRODUCING A PROTEIN OF INTEREST IN A PRIMATE", filed May 21, 2013.
 - The entire worldwide right, title, and interest in and to:
- (a) the APPLICATION; (b) all applications claiming priority from the APPLICATION; (c) all provisional, utility, divisional, continuation, substitute, renewal, reissue, and other applications related thereto which have been or may be filed in the United States or elsewhere in the world; (d) all patents (including reissues and re-examinations) which may be granted on the applications set forth in (a), (b), and (c) above; and (e) all right of priority in the APPLICATION and in any underlying provisional or foreign application, together with all rights to sue for and recover damages for past acts of infringement, whether based on any patents listed herein, patents issuing from applications listed herein or provisional rights from any patent application listed herein.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all ouths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hercunder.

Attorney Docket No: 2030.1011DSCON9/M011.TRI-9

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PATENT REEL: 046381 FRAME: 0877

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METHOD FOR PRODUCING A PROTEIN OF INTEREST IN A PRIMATE

Filed:

PCT Application No:

INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

INVENTOR grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

INVENTOR acknowledges the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

Date <u>5/16/201</u> 3	Signature Auton de Begrell
Date 5/16/2=13	Name Antonin de Fougerolles Signature Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z
Date 5/16/2013	Signature State M. Elbachia

Attorney Docket No: 2030.1011USCON9/M011.TR1-9

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