506568771 03/23/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6615550

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Richard Mulligan	09/25/2013
George J. Murphy	10/07/2013

RECEIVING PARTY DATA

Name:	CHILDREN'S MEDICAL CENTER CORPORATION
Street Address:	55 SHATTUCK STREET
City:	BOSTON
State/Country:	MASSACHUSETTS
Postal Code:	02115

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16200974

CORRESPONDENCE DATA

Fax Number: (877)769-7945

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.

Phone: (617) 368-2124 Email: apsi@fr.com Correspondent Name: **PENG LIN**

Address Line 1: FISH & RICHARDSON P.C.

Address Line 2: P.O.BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	36443-0020003
NAME OF SUBMITTER:	LAURA MURPHY
SIGNATURE:	/Laura Murphy/
DATE SIGNED:	03/23/2021

Total Attachments: 5

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> **PATENT** REEL: 055679 FRAME: 0835

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PATENT REEL: 055679 FRAME: 0836

Attorney Docket No.: 36443-0020002; CMCC 1376

<u>ASSIGNMENT</u>

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, Richard Mulligan, of 35 Foster Street, Cambridge, Massachusetts 02138; and George J. Murphy, of 117 Park Drive, Apt. 32, Boston, Massachusetts 02215, hereby assign to: Children's Medical Center Corporation, a corporation of Massachusetts, having a place of business 55 Shattuck Street, Boston, Massachusetts 02115; and 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 the subject of and described and/or claimed in a utility application for United States Patent, entitled "METHODS AND COMPOSITIONS FOR REGULATING GENE EXPRESSION," filed on January 8, 2013, and assigned U.S. Serial Number 13/736,748; this assignment including said application, any and all United States and foreign patents, utility patents and models, continuations, continuations-inpart, divisionals, reexaminations, reissues, 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 this assignment also including, without limitation, any claims (known or unknown, suspected or unsuspected) of any nature that we have or may have against any party for infringement of any of the patents and patent applications listed herein, and the right to sue for past infringement and to recover and retain damages and profits in respect thereof; and

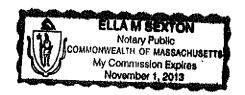
we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations, and like rights of exclusion and for inventors' certificates for said inventions and improvements, and

we hereby covenant and agree that we will communicate to the Assignee or nominees all facts known to us pertaining to 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, reissues, Preliminary Statements, and other lawful documents, testify in all legal proceedings, make all rightful oaths and declarations, and in general perform or cause to be performed all lawful acts necessary or proper to aid the Assignee or nominees in obtaining, maintaining, and enforcing all lawful patent protection for the inventions and improvements in the United States and in foreign countries; and

we hereby covenant that we have the full right to convey the entire right, title, and interest herein assigned and that we have not executed and will not execute any agreement in conflict herewith.

Page 1 of 3

Date: 9/25/13 RICHARD MULLIGAN	
IN WITNESS WHEREOF, I hereto set my hand and seal at <u>HARVARD MEDICAL SCHOOL</u> this <u>25H</u> day of <u>SEPTEMBER</u> , 20 <u>13</u>	•
State of	
Before me this	
My Commission Expires:	



Attorney Docket No.: 36443-0020002; CMCC 1376

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, Richard Mulligan, of 35 Foster Street, Cambridge, Massachusetts 02138; and George 1750 WASHINGTON Street, GTM)(10-11-13)02/18 (GTM)(10-11-13)

J. Murphy, of 117 Park Drive, Apt. 32; Boston, Massachusetts 02215; hereby assign to: Children's Medical Center Corporation, a corporation of Massachusetts, having a place of business 55 Shattuck Street, Boston, Massachusetts 02115; and 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 the subject of and described and/or claimed in a utility application for United States Patent, entitled "METHODS AND COMPOSITIONS FOR REGULATING GENE EXPRESSION," filed on January 8, 2013, and assigned U.S. Serial Number 13/736,748; this assignment including said application, any and all United States and foreign patents, utility patents and models, continuations, continuations-inpart, divisionals, reexaminations, reissues, 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 this assignment also including. without limitation, any claims (known or unknown, suspected or unsuspected) of any nature that we have or may have against any party for infringement of any of the patents and patent applications listed herein, and the right to sue for past infringement and to recover and retain damages and profits in respect thereof; and

we authorize the Assignee to apply in all countries in our name 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 hereby covenant and agree that we will communicate to the Assignee or nominees all facts known to us pertaining to 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, reissues, Preliminary Statements, and other lawful documents, testify in all legal proceedings, make all rightful oaths and declarations, and in general perform or cause to be performed all lawful acts necessary or proper to aid the Assignee or nominees in obtaining, maintaining, and enforcing all lawful patent protection for the inventions and improvements in the United States and in foreign countries; and

we hereby covenant that we have the full right to convey the entire right, title, and interest herein assigned and that we have not executed and will not execute any agreement in conflict herewith.

Page 1 of 3

Date:			
Production and account	RICHAR	D MULLIGAN	
In Witness When	REOF, I hereto set my hand an	d seal at	
this day of _	, 20		

State of			
County of	; ss. :		
Before me this	day ofknown to me to	, 20	, personally
appeared	ent and acknowledged that sh	be the person whose nan e/he executed the same a	ne is subscribed is her/his free act
	Notary Publi	ic	
	My Commis	sion Expires:	

Page 2 of 3

Date: 10-7-13 GEORGE J. MURPHY IN WITNESS WHEREOF, I hereto set my hand and scal at BOSTON (M/	
this 7th day of October, 2013	
State of Market Selfs County of Suffork: ss. Before me this 7th day of Offork, 2013, per appeared Guyge Murphyknown to me to be the person whose name is subs	sonally ecribed
to the foregoing Assignment and acknowledged that she/he executed the same as her/his and deed for the purposes therein contained. Notary Patrice	free act
My Commission Expires: STANLEY T. TABI Notary Public COMMONWEALTH OF MASSACHUSETTS My Commission Expires February 3, 2017	

Page 3 of 3