505832780 12/20/2019

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5879713

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BAOZHONG CAI	07/19/2019
MITCHELL MARTINI	07/19/2019
KATIE THOMAS	11/21/2019
ROSS SHIMABUKU	08/30/2019

RECEIVING PARTY DATA

Name:	SAREPTA THERAPEUTICS, INC.
Street Address:	215 FIRST STREET
City:	CAMBRIDGE
State/Country:	MASSACHUSETTS
Postal Code:	02142

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16302529

CORRESPONDENCE DATA

Fax Number:

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.

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Email: patents@sarepta.com **Correspondent Name:** CHRISTOPHER VERNI

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Address Line 2: 215 FIRST STREET

CAMBRIDGE, MASSACHUSETTS 02142 Address Line 4:

ATTORNEY DOCKET NUMBER:	8144.53.US00
NAME OF SUBMITTER:	KATIE NORRIS
SIGNATURE:	/Katie Norris/
DATE SIGNED:	12/20/2019

Total Attachments: 5

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> **PATENT REEL: 051346 FRAME: 0036** 505832780

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> PATENT REEL: 051346 FRAME: 0037

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventors: **Baozhong CAI**, **Mitchell MARTINI**, **Katie THOMAS and Ross SHIMABUKU**, hereby sell and assign to **Sarepta Therapeutics**, **Inc.**, a corporation formed under the laws of Delaware, whose mailing address is 215 First Street, Cambridge, Massachusetts 02142 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

- (a) in the invention(s) known as **PROCESSES FOR PREPARING PHOSPHORODIAMIDATE MORPHOLINO OLIGOMERS** for which a non-provisional application for patent in the United States of America was filed I.A. Filing Date: June 30, 2017 (also known as United States Application No. 16/302,529), in any and all non-provisional applications therefrom, in any and all Letters Patent(s) granted from such non-provisional applications, and
- (b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and
- (c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the undersigned inventors had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

PATENT REEL: 051346 FRAME: 0038 The undersigned inventors agree to execute all papers necessary in connection with any judicial or administrative proceeding, including but not limited to an interference, derivation, post-grant proceeding, or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof or Letters Patent(s) therefor and to cooperate with the Assignee in every way possible in obtaining evidence and assisting with such judicial or administrative proceeding.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with CUSTOMER NUMBER 153767 the power to insert in 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.

The undersigned inventors hereby represent that he/she understands that the patent practitioners associated with CUSTOMER NUMBER 153767 are the legal representatives of, and attorneys for, the assignee, and are <u>NOT</u> the legal representatives of, and attorneys for, the inventors.

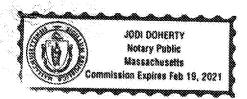
IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name.

7/19/19		***
Date:	Signature of inventor:	7
	Baozhong CAT	*************

On this 14th day of 101, 2019, before me personally appeared Baozhong CAI, personally known to me or proven on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her capacity, and that by his/her signature on the instrument the person executed the instrument.

By: Jodi Doherty

Notary public in and for the state of: <u>Massachusetts</u>
My commission expires on: <u>February 19, 2021</u>



Page 2 of 4

Appl. No. 16/302,529 Atty. Docket No. 4140,0280005

Date: 7/19/19 Signature of Inventor:
On this day of , 2019, before me personally appeared Mitchell MARTIN personally known to me or proven on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her capacity, and that by his/her signature on the instrument the person executed the instrument.
By: Jodi Doherty Notable and South and South and South
Notary public in and for the state of: <u>Massachusetts</u> My commission expires on: <u>February 19, 2021</u>
JODI DOHERTY Notary Public Massachusetts Commission Expires Feb 18, 2021
Date: Signature of Inventor:
Katie THOMAS
On this
Ву;
Notary Public
Notary public in and for the state of: My commission expires on:

Date:	Signature of Inventor:	N N
		Mitchell MARTINI
personally known to me or proname is subscribed to the with	oven on the basis of satisfactor hin instrument, and acknowled:	nally appeared Mitchell MARTINI, y evidence to be the person whose ged to me that he/she executed the instrument the person executed the
By: NA Jodi Doherty		
Notary public in and for the sta My commission expires on: Fo	nte of: <u>Massachusetts</u> ebruary 19, 2021	
Date: 11-21-19	Signature of Inventor:	Katle THOMAS
name is subscribed to the with	oven on the basis of satisfactor, in instrument, and acknowledge	sonally appeared <u>Katie THOMAS</u> , y evidence to be the person whose ged to me that he/she executed the instrument the person executed the
By: Notar Public		OFFICIAL STAMF SONYA CORLISS NOTARY PUBLIC - OREGON COMMISSION NO. 964938 AY COMMISSION EXPIRES AUGUST 07, 2021
Notary public in and for the sta	te of: 01000	

Appl. No. 16/302,529 Atty. Docket No. 4140,0280005

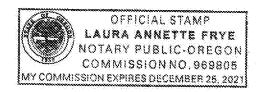
Date: 8/30 2019 Signature of Inventor: Ross SHIMABUKU

On this 20 day of August 2019, before me personally appeared Ross SHIMABUKU, personally known to me or proven on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her capacity, and that by his/her signature on the instrument the person executed the instrument.

By: Aluka a Drey Notary Public

Notary public in and for the state of: Ougon

My commission expires on: December 35, 2021



SIGNED on behalf of the said ASSIGNEE.

SAREPTA THERAPEUTICS, INC.

Name: Christopher Verni, Esq.

Title: Chief Intellectual Property Counsel

Date: ///22//9