# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

tylesheet Version v1.2

EPAS ID: PAT5508304

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
FRANK DEROSA	05/08/2013
BRAYDON CHARLES GUILD	05/11/2013
MICHAEL HEARTLEIN	05/08/2013

### **RECEIVING PARTY DATA**

Name:	SHIRE HUMAN GENETIC THERAPIES, INC.	
Street Address:	300 SHIRE WAY	
City:	LEXINGTON	
State/Country:	MASSACHUSETTS	
Postal Code:	02421	

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16100853

### **CORRESPONDENCE DATA**

**Fax Number:** (617)526-9899

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:** 617.526.9600

Email: oandrews@proskauer.com
Correspondent Name: PROSKAUER ROSE LLP

Address Line 1: ONE INTERNATIONAL PLACE

Address Line 4: BOSTON, MASSACHUSETTS 02110

ATTORNEY DOCKET NUMBER: MRT-1060US3	
NAME OF SUBMITTER:	FANGLI CHEN
SIGNATURE: /Fangli Chen/	
DATE SIGNED:	05/06/2019

## **Total Attachments: 6**

source=MRT-1060US3 Assignment Inventors to Shire#page1.tif source=MRT-1060US3 Assignment Inventors to Shire#page2.tif source=MRT-1060US3 Assignment Inventors to Shire#page3.tif source=MRT-1060US3 Assignment Inventors to Shire#page4.tif

PATENT 505461501 REEL: 049090 FRAME: 0014

source=MRT-1060US3 Assignment Inventors to Shire#page5.tif source=MRT-1060US3 Assignment Inventors to Shire#page6.tif

PATENT REEL: 049090 FRAME: 0015

Attorney Docket No: 2006685-0286

# **COMBINED JOINT ASSIGNMENT & DECLARATION**

### A. ASSIGNMENT

WHEREAS, each of the below-named inventors whose name and residence is set forth in the following Table 1:

Inventor Name	City, State
1. Frank DeRosa	Chelmsford, MA
2. Braydon Charles Guild	Concord, MA
3. Michael Heartlein	Boxborough, MA

#### Table 1

hereby declares and agrees, on behalf of himself/herself and all of his/her successors and assigns that each is aware of the patent application(s) entitled:

### IONIZABLE CATIONIC LIPIDS; and

	prepared for filing in the United States Patent and Trademark Office; or
States Patent a	identified by United States Application Serial No. Serial No. filed in the United and Trademark Office on Filing Date; and
⊠ March 29, 20	identified by International Patent Application No. PCT/US13/34602 filed on 13; and
	is also aware of the following priority applications:
Seria	l No.: U.S.S.N. 61/617,468; Filed: March 29, 2012

WHEREAS Shire Human Genetic Therapies, Inc. (hereinafter "ASSIGNEE"), having a usual place of business at 300 Shire Way, Lexington, MA 02421, desires to acquire or confirm an interest therein;

NOW, THEREFORE, to all whom it may concern be it known that, in consideration of agreements previously and duly entered into between the parties, and/or for other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned, and transferred and/or do hereby sell, assign, and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, my entire right, title, and interest in and throughout the United States of America, its territories and all foreign countries, in and to any and all inventions described in the patent application, and/or any priority applications noted above; and hereby confirm that my sale, assignment and transfer is and was effective at least as of the filing date of the patent application and/or priority application. My sale, assignment and transfer applies to the above-referenced patent application, and to any application that is based in whole or in part on the patent application, including to divisional, continuing, substitute, renewal, reissue,

Page 1 of 6

5708294v1

2006685-0286

reexamination and other applications, for example that claim priority to the patent application. Also, this sale, assignment and transfer pertains to any and all other rights arising under or pursuant to any and all international agreements, treaties, or laws relating to the protection of industrial property, including all rights of priority under the International Convention for the Protection of Industrial Property, and in and to any such patent(s) as may issue thereon including any and all original and reissued patents which have been or shall be issued in the United States and foreign countries; said inventions, applications, and patent(s) to be held and enjoyed by ASSIGNEE for its own use and for its successors, assigns and legal representatives, to the full end of the term for which said patent(s) may be granted as fully and entirely as the same would have been held by me had this sale, assignment and transfer not been made;

AND, I hereby acknowledge that this Assignment, being of my entire right, title, and interest in and to the inventions, carries with it the right in ASSIGNEE, by attorneys and agents of ASSIGNEE selection, to apply for and receive any and all patent(s) for said inventions in its own name;

AND, I hereby further agree for myself and my executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the patent(s) to ASSIGNEE, its successors, assignees, and legal representatives, but at its expense and charges, including the execution of application for patents in foreign countries, the execution of substitution, reissue, divisional or continuation applications, and the giving of testimony, preliminary statements, or other statements in any interference or other proceeding in which the inventions or any applications or patents directed to the inventions may be involved by communicating to the ASSIGNEE all facts I know relating to the inventions and their history, and generally by doing everything possible which ASSIGNEE shall consider desirable for aiding in securing and maintaining proper patent protection for the inventions and for vesting title in the inventions and all applications for patent and all patents on the inventions in ASSIGNEE;

- AND, I further hereby authorize ASSIGNEE or its attorneys or agents to insert the correct serial number(s) and/or filing date(s) into this assignment document, if appropriate;
- AND, I hereby appoint ASSIGNEE as my common agent for purposes of prosecuting international patent applications and any national patent applications for which such common agency is recognized;
- AND, I hereby request the Director of Patents and Trademarks of the United States to issue any and all patent(s) as shall be granted upon said application or applications based thereon to ASSIGNEE, its successors, assigns, and legal representatives;
- AND, I covenant with said ASSIGNEE that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by me, and that full right to convey the same as herein expressed is possessed by me.

# B. DECLARATION (37 CFR 1.63)

As a below named inventor, I hereby declare that:

This declaration is directed to the patent application entitled:

## IONIZABLE CATIONIC LIPIDS; and

	attached hereto or prepared for filing in the United States Patent and Trademark
Office; or	<b>'</b>
States Patent a	identified by United States Application Serial No. Serial No. filed in the United and Trademark Office on Filing Date; or
⊠ March 29, 20	identified by International Patent Application No. PCT/US13/34602 filed on 13.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

I have reviewed and understand the contents of the application, including the claims and am aware of the duty to disclose to the United States Patent and Trademark Office all information known to be material to patentability as defined in 37 CFR 1.56.

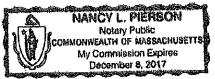
Page 3 of 6

5708294v1 2006685-0286

SIGNED this 8th day of MAY, 2013.
Name: Frank DeRosa
STATE OF MEDDLE SES
Before me this 6/4 day of
NOTARY PUBLIC  Name: Sarry ( finess  My Commission Expires: Decar Son 8, 2017)
NANCY L. PIERSON  Notary Public  COMMONWEALTH OF MASSACHUSETTS  My Commission Expires  December 8, 2017

SIGNED this day of	Name: Braydon/Charles Guild
STATE OF Massachunte	SS.
My Keeper to be the person	
	NOTARY PUBLIC  Name:  My Commission Expires:
,	JANICE A. DILLON Notary Public COMMONWEALTHOF MASSACHUSETTS My Commission Expires July 24, 2014

SIGNED this 874 day of	Name: Michael Heartlein
STATE OF MASSACHUSETTS  COUNTY OF MIDDLE SEX	SS.
MA Drivers Licence to be the person of	, 20/3, personally appeared Michael Heartlein, ce of identity which was whose name is signed on the preceding or attached cuted the same, of his/her own free will and for the
,	NOTARY PUBLIC  Name: Narry L Sienses  My Commission Expires: Perconder 8 2017



Page 6 of 6

5708294v1

**RECORDED: 05/06/2019** 

2006685-0286