PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4014991

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ZHE LI	06/20/2016
KOBINA N. DUFU	06/20/2016
JASON R. HARRIS	07/06/2016
XIN GENG	06/20/2016
UMA SINHA	06/27/2016

RECEIVING PARTY DATA

Name:	GLOBAL BLOOD THERAPEUTICS, INC.
Street Address:	400 EAST JAMIE COURT
Internal Address:	SUITE 101
City:	SOUTH SAN FRANCISCO
State/Country:	CALIFORNIA
Postal Code:	94080

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15084252

CORRESPONDENCE DATA

Fax Number: (858)314-1150

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: 858-314-1200

cquatrino@jonesday.com, MVdiaz@jonesday.com Email:

JONES DAY **Correspondent Name:**

250 VESEY STREET Address Line 1:

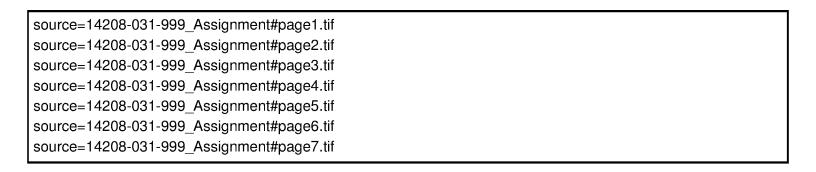
Address Line 4: **NEW YORK, NEW YORK 10281-1047**

ATTORNEY DOCKET NUMBER:	14208-031-999/246677-031
NAME OF SUBMITTER:	CHRISTINA QUATRINO
SIGNATURE: /Christina Quatrino/	
DATE SIGNED:	08/19/2016

Total Attachments: 7

PATENT REEL: 039484 FRAME: 0589

503968336



ASSIGNMENT

WHEREAS, WE, Zhe LI, citizen of the United States, having a mailing address of c/o Global Blood Therapeutics, Inc., 400 East Jamie Court, Suite 101, South San Francisco, CA 94080 residing at San Diego, CA, Jason R. HARRIS, citizen of the United States, having a mailing address of c/o Global Blood Therapeutics, Inc., 400 East Jamie Court, Suite 101, South San Francisco, CA 94080 residing at South San Francisco, CA, Kobina N. DUFU, citizen of the United States, having a mailing address of c/o Global Blood Therapeutics. Inc., 400 East Jamie Court, Suite 101, South San Francisco, CA 94080 residing at San Mateo, CA, Xin GENG, citizen of the United States, having a mailing address of c/o Global Blood Therapeutics, Inc., 400 East Jamie Court, Suite 101, South San Francisco, CA 94080 residing at South San Francisco, CA and Uma SINHA, citizen of the United States, having a mailing address of c/o Global Blood Therapeutics, Inc., 400 East Jamie Court, Suite 101, South San Francisco, CA 94080 residing at San Francisco, CA, ASSIGNORS, are the inventors of the invention in METHODS OF TREATMENT for which an application for a Patent of the United States has been filed.

- which is identified by Jones Day docket no. 14208-031-999/246677-999031
- which was filed on March 29, 2016, Application No. 15/084,252

and WHEREAS, Global Blood Therapeutics, Inc., a corporation organized and existing under the laws of the state of Delaware, and having an office for the transaction of business at 400 East Jamie Court, Suite 101, South San Francisco, CA 94080, ASSIGNEE, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention 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; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and all right to sue for infringement including past infringement.

AND WE HEREBY authorize and request the Commissioner for Patents and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument,

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

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date	6/20/2016	, 2016	Zhe LI	L.S.
Date		, 2016	Jason R/HARRIS /	L.S.
Date	6/20/16	, 2016	Kobina M. DUFU	L.S.

ASSIGNMENT

WHEREAS, WE, Zhe L1, citizen of the United States, having a mailing address of c/o Global Blood Therapeutics, Inc., 400 East Jamie Court, Suite 101, South San Francisco, CA 94080 residing at San Diego, CA, Jason R. HARRIS, citizen of the United States, having a mailing address of c/o Global Blood Therapeutics, Inc., 400 East Jamie Court, Suite 101, South San Francisco, CA 94080 residing at South San Francisco, CA, Kobina N. DUFU, citizen of the United States, having a mailing address of c/o Global Blood Therapeutics, Inc., 400 East Jamie Court, Suite 101, South San Francisco, CA 94080 residing at San Mateo, CA, Xin GENG, citizen of the United States, having a mailing address of c/o Global Blood Therapeutics, Inc., 400 East Jamie Court, Suite 101, South San Francisco, CA 94080 residing at South San Francisco, CA and Uma SINHA, citizen of the United States, having a mailing address of c/o Global Blood Therapeutics, Inc., 400 East Jamie Court, Suite 101, South San Francisco, CA 94080 residing at San Francisco, CA, ASSIGNORS, are the inventors of the invention in METHODS OF TREATMENT for which an application for a Patent of the United States has been filed.

- which is identified by Jones Day docket no. 14208-031-999/246677-999031
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and WHEREAS, Global Blood Therapeutics, Inc., a corporation organized and existing under the laws of the state of Delaware, and having an office for the transaction of business at 400 East Jamie Court, Suite 101, South San Francisco, CA 94080, ASSIGNEE, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention 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; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and all right to sue for infringement including past infringement.

AND WE HEREBY authorize and request the Commissioner for Patents and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

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

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date	, 2016		L.S.
Date	July 6th, 2010	Zhe LI Jason R-HARRIS Jason R-HARRIS	L.S.
Date	.2010	Kohina N. DUFU	L.S

J.S. Applica	ation No. 13/084,	232		arman, and a second sec	
Date	Jun	wh	, 2016	W GZ	L.S
***************************************				Xin GENG	and the second s
Date			, 2016		L.S
				Uma SINHA	

U.S. /	U.S. Application No. 15/084,252				
Date	<u> </u>	-2016	Xin GENG	L.S.	
Date	June 27%	, 2016	Uma Sinha	L.S.	

certificate is attached, and not the trut			who signed the document to which this
STATE OF CALIFORNIA)	
COUNTY OF	••)	
On	executed the same in his/her/their	authorized capacity(ies), and t	lic, personally appeared Zhe LI, who scribed to the within instrument and hat by his/her/their signature(s) on the t.
I certify under PENALTY OF PERJU	JRY under the laws of the State of	California that the foregoing pa	ragraph is true and correct.
WITNESS my hand and official seal.			
Signature		(Seal)	
A notary public or other officer comp certificate is attached, and not the trut			who signed the document to which this
STATE OF CALIFORNIA)	
COUNTY OF	 -)	
HARRIS, who proved to me on th	that he/she/they executed the san son(s), or the entity upon behalf of JRY under the laws of the State of	to be the person(s) whose na ne in his/her/their authorized of which the person(s) acted, exe	
Signature		(Seal)	
		(Cour)	

certificate is attached, and not the truthfulness, accuracy, or validity of that document.					
STATE OF CALIFORNIA					
COUNTY OF)				
and acknowledged to me that he/she/the instrument the person(s), or the en	before me,, Notary Public, personally appeared Kobina N. of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument by executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on y upon behalf of which the person(s) acted, executed the instrument.				
I certify under PENALTY OF PERJU	Y under the laws of the State of California that the foregoing paragraph is true and correct.				
WITNESS my hand and official seal.					
Signature	(Seal)				
	ting this certificate verifies only the identity of the individual who signed the document to which this ulness, accuracy, or validity of that document.				
STATE OF CALIFORNIA)				
COUNTY OF)				
acknowledged to me that he/she/they instrument the person(s), or the entity	before me,, Notary Public, personally appeared Xin GENG, sfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and secuted the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the pon behalf of which the person(s) acted, executed the instrument. Y under the laws of the State of California that the foregoing paragraph is true and correct.				
Sionature	(Seal)				

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this

RECORDED: 08/19/2016

	er completing this certificate verifies the truthfulness, accuracy, or validity		the individual who signed the document to which this
STATE OF CALIFORNIA)	
COUNTY OF)	
acknowledged to me that he/si instrument the person(s), or the	he/they executed the same in his/her e entity upon behalf of which the per PERJURY under the laws of the Sta	their authorized cap son(s) acted, execute	, Notary Public, personally appeared Uma SINHA, ame(s) is/are subscribed to the within instrument and acity(ies), and that by his/her/their signature(s) on the d the instrument. the foregoing paragraph is true and correct.
·		(Seal)	
ACCEPTED AND AGREED	TO BY ASSIGNEE, Global Blood	Therapeutics, Inc. :	
Signature: Jost	N Scalorandord	Date:	July 6,2016
Title: VP	N Schembiel Finance		