507956321 06/13/2023

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT8003457

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NATHAN L. MAO	03/29/2018
WENBIN QI	05/20/2018
BERNHARD SCHILLING	03/29/2018
SCOTT CARVER	03/15/2018

RECEIVING PARTY DATA

Name:	REGENERON PHARMACEUTICALS, INC.	
Street Address:	777 OLD SAW MILL RIVER ROAD	
City:	TARRYTOWN	
State/Country:	NEW YORK	
Postal Code:	10591-6707	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17848936

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.

Email: ipservicesnyc@troutman.com, stephanie.laste@troutman.com

Correspondent Name: TROUTMAN PEPPER HAMILTON SANDERS LLP

Address Line 1: 600 PEACHTREE STREET NE Address Line 4: ATLANTA, GEORGIA 30308

ATTORNEY DOCKET NUMBER:	250298.000357
NAME OF SUBMITTER:	STEPHANIE LASTE
SIGNATURE:	/Stephanie Laste/
DATE SIGNED:	06/13/2023

Total Attachments: 6

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Atty Docket No.: 10331US01 Serial No.: 15/882,845

ASSIGNMENT

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ASSIGNMENT

WHEREAS, WE, Nathan L. MAO, residing at 3 Arbor Gate Court, Cohoes, New York 12047, a citizen of

China, Wenbin QI, residing at 6520 Ambrosia Lane, Apartment 1211, Carlsbad, California 92011, a citizen of China,

Bernhard SCHILLING, residing at 2847 Atlantic Avenue, Hudson, New York 12534, a citizen of Germany, and

Scott CARVER, residing at 8 Fox Glove Court, Wynatskill, New York 12198, a citizen of the United States of America

(HEREINAFTER CALLED "ASSIGNORS"), are inventors of the invention(s) disclosed and/or claimed in the following

patent application:

"COMPOSITIONS AND METHODS FOR REDUCING BIOBURDEN IN CHROMATOGRAPHY"

U.S. Serial No. 15/882,845; filed January 29, 2018

WHEREAS, REGENERON PHARMACEUTICALS, INC., a corporation organized and existing under the

laws of the State of New York, with offices at 777 Old Saw Mill River Road, Tarrytown, New York 10591-6707, U.S.A.

(HEREINAFTER called "ASSIGNEE") is desirous of acquiring our entire right, title and interest in, to, and under said

application;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good

and valuable consideration, the receipt of which is hereby acknowledged, WE, said ASSIGNORS, have sold,

assigned, transferred and set over, and do hereby sell, assign, transfer and set over unto said ASSIGNEE, its

successors, legal representatives, and assigns, our entire right, title and interest for all countries in and to any and all

inventions which are disclosed and claimed, and any and all inventions which are disclosed but not claimed, in the

above-described patent application, and in and to said patent application and all divisions, renewals, continuations,

and continuations-in-part thereof, and all Patents which may be granted thereon and all reexamination certificates,

amendments, and reissues and extensions thereof; and all applications for industrial property protection, including,

without limitation, all applications for patents utility models, and designs which may hereafter be filed for said

inventions 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 patent application under the Patent Laws of the

United States or any other country or countries foreign to the United States, the International Convention of 1883 and

later modifications thereof, under the Patent Cooperation Treaty, under the European Patent Convention, or under

any other applicable international agreement or under the domestic laws of the country in which any such patent

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 inventions in any country or

countries foreign to the United States and all extensions, renewals, reexamination certificates, amendments, and

reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United

States 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 application as aforesaid, to issue the same to the said

ASSIGNEE, their successors, legal representatives and assigns, in accordance with this instrument;

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AND WE HEREBY covenant and agree that WE have full right to convey the entire interest hereinafter 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 said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said inventions, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, continuation-in-part, reissue, reexamination, and foreign applications, make all rightful oaths, and generally do everything possible to aid said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said inventions in all countries.

IN TESTIMONY WHEREOF, WE hereunto set OUR hands and seal the day and year set opposite our signatures.

Date: 24 MAR248	Nathan L. MAO
Date:	Wenbin QI
Date: 27/87 2014	Bernhard SCHILLING
Date:	Scott CARVER

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ASSIGNMENT

WHEREAS, WE, Nathan L. MAO, residing at 3 Arbor Gate Court, Cohoes, New York 12047, a citizen of China, Wenbin QI, residing at 6529 Ambrosia Lane; Apartment 1211; Gerlebed; Galifornia 92011, a citizen of China, Bernhard SCHILLING, residing at 2847 Atlantic Avenue, Hudson, New York 12534, a citizen of Germany, and Scott CARVER, residing at 8 Fox Glove Court, Wynatskill, New York 12198, a citizen of the United States of America (HEREINAFTER CALLED "ASSIGNORS"), are inventors of the invention(s) disclosed and/or claimed in the following patent application:

"COMPOSITIONS AND METHODS FOR REDUCING BIOBURDEN IN CHROMATOGRAPHY"

U.S. Serial No. 15/882,845; filed January 29, 2018

WHEREAS, REGENERON PHARMACEUTICALS, INC., a corporation organized and existing under the laws of the State of New York, with offices at 777 Old Saw Mill River Road, Tarrytown, New York 10591-6707, U.S.A. (HEREINAFTER called "ASSIGNEE") is desirous of acquiring our entire right, title and interest in, to, and under said application;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, WE, said ASSIGNORS, have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over unto said ASSIGNEE, its successors, legal representatives, and assigns, our entire right, title and interest for all countries in and to any and all inventions which are disclosed and claimed, and any and all inventions which are disclosed but not claimed, in the above-described patent application, and in and to said patent application and all divisions, renewals, continuations, and continuations-in-part thereof, and all Patents which may be granted thereon and all reexamination certificates. amendments, and reissues and extensions thereof, and all applications for industrial property protection, including, without limitation, all applications for patents utility models, and designs which may hereafter be filed for said inventions 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 patent application under the Patent Laws of the United States or any other country or countries foreign to the United States, the International Convention of 1883 and later modifications thereof, under the Patent Cooperation Treaty, under the European Patent Convention, or under any other applicable international agreement or under the domestic laws of the country in which any such patent 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 inventions in any country or countries foreign to the United States and all extensions, renewals, reexamination certificates, amendments, and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States 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 application as aforesaid, to issue the same to the said ASSIGNEE, their successors, legal representatives and assigns, in accordance with this instrument;

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ASSIGNMENT Page 2 of 2

AND WE HEREBY covenant and agree that WE have full right to convey the entire interest hereinafter

assigned, and that WE have not executed, and will not execute, any agreement in conflict herewith;

successors, legal representatives and assigns, any facts known to us respecting said inventions, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, continuation-in-part, reissue, reexamination,

AND WE HEREBY further covenant and agree that WE will communicate to said ASSIGNEE, its

and foreign applications, make all rightful oaths, and generally do everything possible to aid said ASSIGNEE, its

successors, legal representatives and assigns, to obtain and enforce proper protection for said inventions in all

countries.

Date:_____

IN TESTIMONY WHEREOF, WE hereunto set OUR hands and seal the day and year set opposite our signatures.

Date:	Nathan L. MAO
Date: 2014992918	Wenbin QI
Date:	Bernhard SCHILLING

Scott CARVER

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ASSIGNMENT
Page 1 of 2

ASSIGNMENT

WHEREAS, WE, Nathan L. MAO, residing at 3 Arbor Gate Court, Cohoes, New York 12047, a citizen of China, Wenbin QI, residing at 6520 Ambrosia Lane, Apartment 1211, Carlsbad, California 92011, a citizen of China, Bernhard SCHILLING, residing at 2847 Atlantic Avenue, Hudson, New York 12534, a citizen of Germany, and Scott CARVER, residing at 8 Fox Glove Court, Wynatskill, New York 12198, a citizen of the United States of America (HEREINAFTER CALLED "ASSIGNORS"), are inventors of the invention(s) disclosed and/or claimed in the following patent application:

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NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, WE, said ASSIGNORS, have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over unto said ASSIGNEE, its successors, legal representatives, and assigns, our entire right, title and interest for all countries in and to any and all inventions which are disclosed and claimed, and any and all inventions which are disclosed but not claimed, in the above-described patent application, and in and to said patent application and all divisions, renewals, continuations, and continuations-in-part thereof, and all Patents which may be granted thereon and all reexamination certificates, amendments, and reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents utility models, and designs which may hereafter be filed for said inventions 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 patent application under the Patent Laws of the United States or any other country or countries foreign to the United States, the International Convention of 1883 and later modifications thereof, under the Patent Cooperation Treaty, under the European Patent Convention, or under any other applicable international agreement or under the domestic laws of the country in which any such patent 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 inventions in any country or countries foreign to the United States and all extensions, renewals, reexamination certificates, amendments, and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States 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 application as aforesaid, to issue the same to the said ASSIGNEE, their successors, legal representatives and assigns, in accordance with this instrument;

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AND WE HEREBY covenant and agree that WE have full right to convey the entire interest hereinafter 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 said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said inventions, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, continuation-in-part, reissue, reexamination, and foreign applications, make all rightful oaths, and generally do everything possible to aid said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said inventions in all countries.

IN TESTIMONY WHEREOF, WE hereunto set OUR hands and seal the day and year set opposite our signatures.

Date:	Nathan L. MAO
Date:	Wenbin QI
Date:	Bernhard SCHILLING
Date: <u>IS M. U.C.C.h. Z.</u> U.I.Y	Scott CARVER

RECORDED: 06/13/2023