506402536 12/15/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6449292

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANJALI PANDEY	09/05/2019
JULIAN SCOTT NORTHEN	01/09/2020
PHILIPPE FERNANDES	09/27/2019
YING CHEN	10/15/2019
YUELIE LU	09/26/2019
SAMI KARABORNI	01/14/2020
GUS KODERSHA	10/01/2019

RECEIVING PARTY DATA

Name:	PORTOLA PHARMACEUTICALS, INC.
Street Address:	270 E. GRAND AVE., SUITE 22
City:	SOUTH SAN FRANCISCO
State/Country:	CALIFORNIA
Postal Code:	94080

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17098852

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: Tracie.Crothers-Consultant@alexion.com

Correspondent Name: TRACIE CROTHERS

Address Line 1: ALEXION PHARMACEUTICALS, INC.

Address Line 2: 121 SEAPORT BLVD

Address Line 4: BOSTON, MASSACHUSETTS 02210

ATTORNEY DOCKET NUMBER:	0916-LO-DERM US C1
NAME OF SUBMITTER:	TRACIE CROTHERS
SIGNATURE:	/Tracie Crothers/
DATE SIGNED:	12/15/2020

Total Attachments: 11 source=Fully Executed Assignment from parent PTL011610US#page1.tif source=Fully Executed Assignment from parent PTL011610US#page2.tif source=Fully Executed Assignment from parent PTL011610US#page3.tif source=Fully Executed Assignment from parent PTL011610US#page4.tif source=Fully Executed Assignment from parent PTL011610US#page5.tif source=Fully Executed Assignment from parent PTL011610US#page6.tif source=Fully Executed Assignment from parent PTL011610US#page7.tif source=Fully Executed Assignment from parent PTL011610US#page8.tif source=Fully Executed Assignment from parent PTL011610US#page9.tif source=Fully Executed Assignment from parent PTL011610US#page9.tif

source=Fully Executed Assignment from parent PTL011610US#page11.tif

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

Portola Pharmaceuticals, Inc. 270 E. Grand Avenue, Suite 22 South San Francisco, CA 94080

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to this invention relating to

SOLID FORMS OF CERDULATINIB

20 201 101311 13	Cincoa	Common a model i approvamente
check one	[]	executed concurrently herewith,
		executed on,
	[X]	Serial No.: 16/402,684 Filed May 3, 2019

as set forth in United States Patent Amilication

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, (e) all post-grant proceedings including but not limited to post-grant review, ex parte reexamination and inter partes review, and (f) the right to claim for any of said applications the full benefits and priority rights under the Patent Cooperation Treaty, the Paris Convention and any other international agreement; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

ASSIGNOR HEREBY GRANTS ASSIGNEE the right to sue for past, present and future infringement, and the right to collect and receive any damages, royalties, or settlement for such past, present and future infringements and any and all causes of action relating to any of the inventions or discoveries described in this invention.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of **Sheppard Mullin Richter & Hampton LLP** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of Sheppard Mullin Richter & Hampton LLP do not personally represent ASSIGNOR OR ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

Signature: Typh Parole
Manuel Amir & Brandon
Date: Sept 5th, 2019
Signature:
Name: Julian Scott Northen
Date:
Signature:
Name: Philippe Fernandes
Date:
Signature:
Name: Ying Chen
Date:
Signature:
Name: Yuelie Lu
Date:
Signature:
× · · · · · · · · · · · · · · · · · · ·
Name: Sami Karaborni
Date:
Signature:
Name: Gus Kodersha
Date:
Signature:

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

Portola Pharmaceuticals, Inc. 270 E. Grand Avenue, Suite 22 South San Francisco, CA 94080

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to this invention relating to

SOLID FORMS OF CERDULATINIB

check one	[] executed concurrently herewith,
	[] executed on
	EX TSerial No : 16/402 684 Filed May 3 : 2019

as set forth in United States Patent Application

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent. (e) all post-grant proceedings including but not limited to post-grant review, ex parte reexamination and inter partes review, and (f) the right to claim for any of said applications the full benefits and priority rights under the Patent Cooperation Trenty, the Paris Convention and any other international agreement; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

ASSIGNOR HEREBY GRANTS ASSIGNEE the right to sue for past, present and future infringement, and the right to collect and receive any damages, royalties, or settlement for such past, present and future infringements and any and all causes of action relating to any of the inventions or discoveries described in this invention.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of **Sheppard Mullin Richter & Hampton LLP** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of **Sheppard Mullin Richter & Hampton LLP** do not personally represent ASSIGNOR OR ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

ASSIGNOR/INVENTOR(S):

Signature:
Name: Anjali Pandey
Date:
Signature To Northe
Name: Jutian Scott Northen
Date: 09 JAN 2020
Signature:
Name: Philippe Fernandes
Date:
Signature:
Name: Ying Chen
Date:
Signature:
Name: Yuelie Lu
Date:
Signature:
Name: Sami Karaborni
Date:
Signature:
Name: Gus Kodersha
Date:
Signature:

-2-

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

Portola Pharmaceuticals, Inc. 270 E. Grand Avenue, Suite 22 South San Francisco, CA 94080

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to this invention relating to

SOLID FORMS OF CERDULATINIB

(1.) 200 King (1	is coming	or many a month a third many
check one	{] executed concurrently herewith,
	{] executed on,
	- ()	C] Serial No.: 16/402,684 Filed May 3, 2019

as set forth in United States Patent Application

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, (e) all post-grant proceedings including but not limited to post-grant review, ex parte reexamination and inter partes review, and (f) the right to claim for any of said applications the full benefits and priority rights under the Patent Cooperation Treaty, the Paris Convention and any other international agreement; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

ASSIGNOR HEREBY GRANTS ASSIGNEE the right to sue for past, present and future infringement, and the right to collect and receive any damages, royalties, or settlement for such past, present and future infringements and any and all causes of action relating to any of the inventions or discoveries described in this invention.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

-1-

ASSIGNOR HEREBY GRANTS to the law firm of **Sheppard Mullin Richter & Hampton LLP** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of Sheppard Mullin Richter & Hampton LLP do not personally represent ASSIGNOR OR ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

Signature:
Name: Anjali Pandey
Date:
Signature:
Name: Julian Scott Northen
Date:
Signature:
Name: Philippe Fernandes
Date: 27 SEC 2019
Signature
Name: Ying Chen
Date:
Signature:
Name: Yuelie Lu
Date:
Signature:
Name: Sami Karabomi
Date:
Signature:
Name: Gus Kodersha
Date:
Signature:

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

Portola Pharmaceuticals, Inc. 270 E. Grand Avenue, Suite 22 South San Francisco, CA 94080

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to this invention relating to

SOLID FORMS OF CERDULATINIB

as set forth in	United States Patent Application
check one	[] executed concurrently herewith,
	[] executed on,
	[X] Serial No.: <u>16/402,684</u> Filed <u>May 3, 2019</u>

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, (e) all post-grant proceedings including but not limited to post-grant review, ex parte reexamination and inter partes review, and (f) the right to claim for any of said applications the full benefits and priority rights under the Patent Cooperation Treaty, the Paris Convention and any other international agreement; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

ASSIGNOR HEREBY GRANTS ASSIGNEE the right to sue for past, present and future infringement, and the right to collect and receive any damages, royalties, or settlement for such past, present and future infringements and any and all causes of action relating to any of the inventions or discoveries described in this invention.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of **Sheppard Mullin Richter & Hampton LLP** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of **Sheppard Mullin Richter & Hampton LLP** do not personally represent ASSIGNOR OR ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

Signature:
Name: Anjali Pandey
Date;
*.*************************************
Signature:
Name: Julian Scott Northen
Date:
Signatures
Name: Philippe Fernandes
Date:
Signature:
Name: Ying Chen
Date: 10//x/1\$
Signature: 🔽 📞
•
Name: Yuelie Lu
Date;
Signature:
Name: Sami Karabomi
Date:
Signature:
·
Name: Gus Kodersha
Name: Gus Kodersha Date:
Name: Gus Kodersha Date: 10/1/2011 Signature: La Kanada

ASSIGNOR HEREBY GRANTS to the law firm of **Sheppard Mullin Richter & Hampton LLP** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of Sheppard Mullin Richter & Hampton LLP do not personally represent ASSIGNOR OR ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

Signature:
Name: Anjali Pandey
Date
Signature:
Name: Julian Scott Northen
Date:
Signature:
Name: Philippe Fernandes
Date:
Signature:
Name: Ying Chen
Date:
Signature:
Name: Yuelio Lu
Date: <u>SG2X -26, 201</u> X
Name: Fuelle Lu Date: <u>SQL - 6</u> , -27/9 Signature:
parties and the second
Name: Sami Karaborni
Date:
Signature:
Name: Gus Kodersha
Date:
Signature:

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

Portola Pharmaceuticals, Inc. 270 E. Grand Avenue, Suite 22 South San Francisco, CA 94080

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to this invention relating to

SOLID FORMS OF CERDULATINIB

as set forth in	United States Patent Application
check one	[] executed concurrently herewith, [] executed on, [X] Serial No.: 16/402,684 Filed May 3, 2019

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, (e) all post-grant proceedings including but not limited to post-grant review, ex parte reexamination and inter partes review, and (f) the right to claim for any of said applications the full benefits and priority rights under the Patent Cooperation Treaty, the Paris Convention and any other international agreement; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

ASSIGNOR HEREBY GRANTS ASSIGNEE the right to sue for past, present and future infringement, and the right to collect and receive any damages, royalties, or settlement for such past, present and future infringements and any and all causes of action relating to any of the inventions or discoveries described in this invention.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

~]-

ASSIGNOR HEREBY GRANTS to the law firm of Sheppard Mullin Richter & Hampton LLP the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of Sheppard Mullin Richter & Hampton LLP do not personally represent ASSIGNOR OR ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

ASSIGNOR/INVENTOR(S):

RECORDED: 12/15/2020

Signature:
Name: Anjali Pandey
Date:
Signature:
Name: Julian Scott Northen
Date:
Signature:
Name: Philippe Fernandes
Date:
Signature:
Name: Ying Chen
Date:
Signature:
Name: Yuelie Lu
Date:
Signature:
Name: Sami Karaborni
Date: 14 JAN 2020
Date: 14 JAN 2020 Signature: Janahan
A STATE OF THE STA
Name: Gus Kodersha
Date:
Signature:

-2-