504841788 03/28/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TALEEN G. HANANIA	02/26/2018
VADIM ALEXANDROV	03/20/2018

RECEIVING PARTY DATA

Name:	PGI DRUG DISCOVERY LLC	
Street Address:	215 COLLEGE ROAD	
City:	PARAMUS	
State/Country:	NEW JERSEY	
Postal Code:	07652	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	15663672	

CORRESPONDENCE DATA

Fax Number: (508)357-7894

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: 508-481-6700

Email: docket@sunovion.com
Correspondent Name: DEBORAH A. MILLER
Address Line 1: 84 WATERFORD DRIVE

Address Line 2: SUNOVION PHARMACEUTICALS INC.

Address Line 4: MARLBOROUGH, MASSACHUSETTS 01752

ATTORNEY DOCKET NUMBER: P356.B/US	
NAME OF SUBMITTER:	WENDY PENNIMAN
SIGNATURE:	/Wendy Penniman/
DATE SIGNED:	03/26/2018

Total Attachments: 8

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PATENT 504841788 REEL: 045377 FRAME: 0013

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> PATENT REEL: 045377 FRAME: 0014

ASSIGNMENT

WHERE Taleen G. Hanania and Vadim Alexandrov, together with co-inventors Noel Aaron Powell and Carrie A. Bowen, are inventors of the subject matter ("Subject Matter") described in COMPOUNDS AND COMPOSITIONS AND USES THEREOF, an application for Patent ("Application"),

	which is about to be filed in the United States Patent Office;
\boxtimes	which is United States Application No. 15/663,672, filed July 28, 2017;
	which is a Patent Cooperation Treaty Application, International Application No. , filed , which designates the United States of America, and is assigned United States Application No. ;

WHEREAS, PGI Drug Discovery LLC (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Delaware, and having a usual place of business at 215 College Road, Paramus, NJ 07652 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said Subject Matter as described in said Application, together with our entire right, title and interest in and to said Application and such Letters Patent as may issue on said Application; said Application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. This Assignment assigns (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said Subject Matter, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE in our names or in the ASSIGNEE's name:

Assignment Page 1 of 4

AND, we hereby further agree for ourselves and our 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 aforesaid Applications and Granted Rights to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications under the Patent Cooperation Treaty, the execution of applications for patents in foreign countries, and the execution of any further applications including substitution, reissue, divisional or continuation applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said Subject Matter or any application or patent directed thereto may be involved;

AND, we represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said Subject Matter to said ASSIGNEE, its successors, assigns, and legal representatives.

Assignee: PGI DRUG DISCOVERY LLC Signature: ______ Name: Taleen G. Hanania Title: _____ On this 2/4 day of february, 20/8, before me, the undersigned notary public, personally appeared, personally appeared and is personally known to me, or proved to me through satisfactory evidence of identification, which was MY Diver & Cicarse to be the person whose name was signed on the preceding or attached document, and acknowledged that he/she signed the foregoing instrument voluntarily for its stated purpose. Notary Public NOTARY PUBLIC OF MEW JERSEY

The Assignee hereby acknowledges and accepts the foregoing assignment.

MY COMMISSION EXPIRES FEB. 14, 20 22

The Assignee hereby acknowle	edges and accepts the fo	pregoing assignment.
Assignee: PGI DRUG DISCO	VERY LLC	
Signature:		Date;
Name: Vadim Alexandrov		
Title:		
On thisday o personally appeared, person		, before me, the undersigned notary public
is personally kno	wn to me, or	
proved to me thro	ough satisfactory evide	ence of identification, which was
		n the preceding or attached document ,and strument voluntarily for its stated purpose.
	Notary Public	e

Assignment Page 4 of 4

ASSIGNMENT

WHERE Taleen G. Hanania and Vadim Alexandrov, together with co-inventors Noel Aaron Powell and Carrie A. Bowen, are inventors of the subject matter ("Subject Matter") described in COMPOUNDS AND COMPOSITIONS AND USES THEREOF, an application for Patent ("Application"),

	which is about to be filed in the United States Patent Office;
\boxtimes	which is United States Application No. 15/663,672, filed July 28, 2017;
	*
	Application No. , filed , which designates the United States of America, and is assigned United States Application No.

WHEREAS, PGI Drug Discovery LLC (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Delaware, and having a usual place of business at 215 College Road, Paramus, NJ 07652 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said Subject Matter as described in said Application, together with our entire right, title and interest in and to said Application and such Letters Patent as may issue on said Application; said Application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. This Assignment assigns (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said Subject Matter, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE in our names or in the ASSIGNEE's name;

Assignment Page 1 of 4

PATENT REEL: 045377 FRAME: 0019 AND, we hereby further agree for ourselves and our 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 aforesaid Applications and Granted Rights to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications under the Patent Cooperation Treaty, the execution of applications for patents in foreign countries, and the execution of any further applications including substitution, reissue, divisional or continuation applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said Subject Matter or any application or patent directed thereto may be involved;

AND, we represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment;

AND, we do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said Subject Matter to said ASSIGNEE, its successors, assigns, and legal representatives.

The Assignee hereby acknowledges and acce	epts the foreg	oing assignment.
Assignee: PGI DRUG DISCOVERY LLC		
Signature:		Date:
Name: Taleen G. Hanania		
Title:		
On thisday of	, 20	_, before me, the undersigned notary public,
personally appeared, personally appeared	l and	
is personally known to me, or		
proved to me through satisfact	tory evidend	ce of identification, which was
to be the person whose name was	signed on t	he preceding or attached document, and
acknowledged that he/she signed the fore	-	
Not	tary Public	

Assignment Page 3 of 4

Assignee: PGI DRUG DISCOVERY LLC Name: Vadim Alexandrov (former) Chief Informatics Officer at PCI On this day of _______, 20_____, before me, the undersigned notary public, personally appeared and \www. Algania is personally known to me, or proved to me through satisfactory evidence of identification, which was MI SAL DIWA (IMW) to be the person whose name was signed on the preceding or attached document, and acknowledged that he/she signed the foregoing instrument voluntarily for its stated purpose. Notary Pub SANDRA L. CHRISTIE Notary Public

The Assignee hereby acknowledges and accepts the foregoing assignment.

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PATENT REEL: 045377 FRAME: 0022

Commonwealth of Massachusetts
My Commission Expires January 4, 2024

RECORDED: 03/28/2018