505137372 10/11/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MARK SMYTH	06/25/2012
ERICK GOLDMAN	06/25/2012

RECEIVING PARTY DATA

Name:	PHARMACYCLICS, INC.	
Street Address:	995 EAST ARQUES AVENUE	
City:	SUNNYVALE	
State/Country:	CALIFORNIA	
Postal Code:	94085	

PROPERTY NUMBERS Total: 2

Property Type	Number		
Application Number:	16035449		
Application Number:	16110999		

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ATTORNEY DOCKET NUMBER:	PIR-85384; PIR-85389	
NAME OF SUBMITTER:	FRAN GRIZEY	
SIGNATURE:	/Fran Grizey/	
DATE SIGNED:	10/11/2018	

Total Attachments: 1

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PATENT 505137372 REEL: 047136 FRAME: 0170

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	PATENT ASSIGNMENT		Docket Number: 25922-853.101		
WHEREAS, the undersig	gnęd:				
 SMYTH, Mark Rock Harbor Lau Foster City, CA 944 			•		
(hereinafter "Inventor(s))," have invented certain new and useful improvement	ts in			
	CRYSTALLINE FORMS OF A BRUTO	DN'S TYROSINE KINASE	ENHIBITOR		
for which a United States patent application is executed on even date herewith; for which Application No. 61/655.381 was filed on June 4, 2012 in the United States Patent Office; for which Application No. was filed on in the U.S. Receiving Office of the Patent Cooperation Treaty; for which Application No. was filed on in the Patent Office; and/or for which an application was filed upon which a United States Patent issued on as U.S. Patent No. (hereinafter "Application(s)").					
WHEREAS, Pharmacyclies Inc., a corporation of the State of Delaware, having a place of business at 995. East Arques Avenue, Sunnyvale, GA 94085, (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said Application(s) and the inventions disclosed therein, and in and to all embediments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said Inventor(s) (hereinafter collectively referred to as "Inventions"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter "Patent(s)") thereon granted in the United States, forcign countries, or under any international convention, agreement, protocol, or treaty.					
NOW, THERE said Assignee:	FORE, in consideration of good and valuable consid	eration acknowledged by sai	id Inventor(s) to have been received in full from		
Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said Inventions and said Applications, including the right to claim priority to said Inventions and said Applications; (b) in and to all rights to all United States and corresponding non-United States patent applications and Patent(s), including those filed under the Paris Convention for the Protection of Industrial Property, The Patent Cooperation Treaty or otherwise; (c) in and to any and all applications filed and any and all Patent(s) granted on said Inventions in the United States, in any foreign country, of under any international convention, agreement, protocol, or treaty, including each and every application filed and any and all Patent(s) granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said Application(s); and (d) in and to each and every reissue, reexamination, or extensions of any of said Patent(s).					
2. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign condities, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of perficions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any applications covering said inventions; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said. Inventions; (d) for filing and prosecuting applications for reissuance of any said Patent(s); (e) for interference or other priority proceedings involving said. Inventions; and (f) for legal proceedings involving said inventions and any applications fitterefor and any Patent(s) granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.					
3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said inventor(s), their respective heirs, legal representatives and assigns.					
4. Said Inventor(s) hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.					
5. Said Inventor(s) hereby request that any Patent(s) issuing in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, be issued in the name of the Assignee, or its successors and assigns, for the sole use of said Assignee, its successors, legal representatives and assigns.					
6. This instrument will be interpreted and construed in accordance with the laws of the State of California, without regard to conflict of law principles. If any provision of this instrument is found to be illegal or unenforceable, the other provisions shall remain effective and enforceable to the greatest extent permitted by law. This instrument may be executed in counterparts, each of which is deemed an original, but all of which together constitute one and the same agreement.					
IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below:					
Date: 25.3W 2012	Mark SMYTH I	Date: <u>25 Juny</u> 2012 E	rick GOLDMAN		

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RECORDED: 00/04/2018