# 503132503 01/12/2015 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3179113

		NEW ASSIGNMENT	
NATURE OF CONVEYANCE:		ASSIGNMENT	
CONVEYING PARTY	Υ DATA		
		Name	Execution Date
WEI CHEN			12/09/2014
LONGCHENG WANG ZHAOZHONG J. JIA			12/11/2014
			10/14/2014
DAVID J. LOURY			10/14/2014
RECEIVING PARTY	DATA		
Name:	PHAR	MACYCLICS, INC.	
Street Address:	995 EA	ST ARQUES AVENUE	
City:	SUNNYVALE		
State/Country:	CALIFO	CALIFORNIA	
Postal Code:	94085	94085	
PROPERTY NUMBE Property Ty	ре	Number	
	ре	<b>Number</b> 14500897	
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Property Typ Application Number CORRESPONDENC Fax Number: <i>Correspondence win using a fax number,</i> Phone:	pe r: E DATA ill be sent to	14500897 <i>The e-mail address first; if that is unsud</i> <i>t, if that is unsuccessful, it will be sent</i> 6504939300	
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Property Ty Application Number CORRESPONDENC Fax Number: <i>Correspondence win using a fax number,</i> Phone: Email:	pe r: E DATA ill be sent to , if provideo	14500897 <i>The e-mail address first; if that is unsuc</i> <i>t, if that is unsuccessful, it will be sent w</i> 6504939300 patentdocket@wsgr.com, lkim@wsgr.com	ria US Mail.
Property Ty Application Number CORRESPONDENCE Fax Number: <i>Correspondence wit</i> <i>using a fax number,</i> Phone: Email: Correspondent Nam Address Line 1:	pe r: E DATA II be sent to , if provided	14500897 <b>b</b> the e-mail address first; if that is unsuc d; if that is unsuccessful, it will be sent w 6504939300 patentdocket@wsgr.com, lkim@wsgr.com WILSON SONSINI GOODRICH & ROSAT 650 PAGE MILL ROAD	ria US Mail.
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source=25922-889.201 Patent Assignment (Inventors Signed)#page6.tif

#### PATENT ASSIGNMENT

WHEREAS, the undersigned:

 CHEN, Wei 1668 Walden Court Fremont, CA 94539  WANG, Longcheng 4294 Wilkie Way, Apt. L Palo Alto, CA 94306  JIA, Zhaozhong J.
 3416 Leafwood Court San Mateo, CA 94403  LOURY, David J. 7130 Galli Drive San Jose, CA 95129

Docket Number 25922-889.201 & 25922-889.601

(hereinafter "Inventor(s))," have invented certain new and useful improvements in

#### INHIBITORS OF BRUTON'S TYROSINE KINASE

for which application serial number <u>PCT/US2014/058132</u> was filed on <u>September 29, 2014</u> in the U.S. Receiving Office of the Patent Cooperation Treaty;

for which application serial number <u>14/500,897</u> was filed on <u>September 29, 2014</u> in the United States Patent and Trademark Office;

(hereinafter, "Application(s)"). The term "Application(s)" also includes all patent applications that share or claim priority to or from the above application(s).

WHEREAS, **Pharmacvelics, Inc.**, a corporation of the State OR Commonwealth of **Delaware**, having a place of business at <u>955 East Arques</u> Avenue, Sumvvale, CA 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 embodiments 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 all patents, inventor's certificates and other forms of protection thereon granted in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, including those filed under the Paris Convention for the Protection of Industrial Property, The Patent Cooperation Treaty or otherwise (hereinafter "Patent(s)").

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee:

Least 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; (b) in and to said Applications, including the right to claim priority to and from said Application(s); (c) in and to each and every application that is a divisional, substitution, continuation, or continuation-in-part of any of said Application(s); (d) in and to said Patent(s) and each and every patent issuing or reissuing from any of the foregoing; (e) in and to each and every reissue, reexamination, renewal or extension of any kind of any of the foregoing; (f) in and to each and every patent and application filed outside the United States and corresponding to any of the foregoing; and (g) in and to all claims for past, present and future infringement of the Patent(s), including all rights to sue for and to receive and recover for Assignee's own use all past, present, and future lost profits, royalties, and damages of whatever nature recoverable from an infringement of the 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 countries, 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 petitions, 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 therefor 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 reasonable expenses 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 Assignce, 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, represent and covenant that said Inventor(s) 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.

Attorney Docket No. 25922-889.201, Patent Appl. No. 14/500,897 Attorney Docket No. 25922-889.601, PCT Application No. PCT/US2014/058132 Page 1 of 3

> PATENT REEL: 034685 FRAME: 0249

PATENT ASSIGNMENT	Docket Number 25922-889.201 & 25922-889.601
IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instru	ment to said Assignee as of the dates written below:
Date:	
State/Commonwealth of) County of)	
Onbefore me,	eved to me on the basis strument and I that by his/her executed the
Signature: (Notary Seal)	
Date:Longcheng WANG	
State/Commonwealth of	
Onbefore me, (Name/Title of Notary) personally appeared <u>Longcheng WANG</u> (Name of Signer) the basis of satisfactory evidence to be the person whose name is subscribed to the acknowledged to me that s/he executed the same in his/her authorized capacity, and signature on the instrument the person, or entity upon behalf of which the person ac instrument. I certify under PENALTY OF PERJURY under the laws of the State/Com that the foregoing paragraph is true and correct. WITNESS my hand and official seal.	who proved to me on within instrument and I that by his/her sted, executed the
Signature: (Notary Seal)	

Attorney Docket No. 25922-889.201, Pstent Appl. No. 14/500.897 Attorney Docket No. 25922-889.601, PCT Application No. PCT/US2014/058132 Page 2 of 3

> PATENT REEL: 034685 FRAME: 0250

PATENT ASSIGNMENT	Docket Number 25922-889.201 & 25922-889.601			
Date:				
Zhaozhong J. JIA         State/Commonwealth of				
Onbefore me,				
Signature:(Notary Seal)				
Date: ( <u>1/1811/21/</u> David J. LOURY				
David J, LOURY				
State/Commonwealth of <u>MENADA</u> ) County of <u>NASAWAR</u> )				
On <u>ONA 2.514</u> before me, <u>Stable REPERENCE CONTROL</u> (Name/Title of Notary) personally appeared <u>David J. LOURY</u> (Name of Signer) who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that s/he executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or entity upon behalf of which the person acted, executed the instrument.				
I certify under PENALTY OF PERJURY under the laws of the State/Commonwealth of				
WITNESS my hand and official seal. Signature: (Notary Seal)	STEVIE HERRERA Notary Public - State of Neveda Appointment Recorded in Waston County No: 09-11154-2 - Expires October 1, 2017			
RECEIVED AND AGREED TO BY ASSIGNEE:				
Date:	Ву:			
Pharmacyclics, Inc.	Name: Richard B. Love			
	Title: General Counsel			

Attorney Docket No. 25922-889.201, Patent Appl. No. 14/500.897 Attorney Docket No. 25922-889.601, PCT Application No. PCT/US2014/058132 Page 3 of 3

> PATENT REEL: 034685 FRAME: 0251

### PATENT ASSIGNMENT

Docket Number 25922-889.201 & 25922-889.601

WHEREAS, the undersigned:

 CHEN, Wei 1668 Walden Court Fremont, CA 94539  WANG, Longcheng 4294 Wilkie Way, Apt. L Palo Alto, CA 94306  JIA, Zhaozhong J.
 3416 Leafwood Court San Mateo, CA 94403  LOURY, David J. 7130 Galli Drive San Jose, CA 95129

(hereinafter "Inventor(s))," have invented certain new and useful improvements in

## INHIBITORS OF BRUTON'S TYROSINE KINASE

for which application serial number <u>PCT/US2014/058132</u> was filed on <u>September 29, 2014</u> in the U.S. Receiving Office of the Patent Cooperation Treaty;

∑ for which application serial number <u>14/500.897</u> was filed on <u>September 29, 2014</u> in the United States Patent and Trademark Office;

(hereinafter, "Application(s)"). The term "Application(s)" also includes all patent applications that share or claim priority to or from the above application(s).

WHEREAS, <u>Pharmacyclics</u>, Inc., a corporation of the State OR Commonwealth of <u>Delaware</u>, having a place of business at <u>955 East Arques</u> <u>Avenue</u>, <u>Sunnvvale</u>, <u>CA 94085</u>, (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 embodiments 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 thereon granted in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, including those filed under the Paris Convention for the Protection of Industrial Property, The Patent Cooperation Treaty or otherwise (hereinafter "Patent(s)").

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee:

1. 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; (b) in and to said Applications, including the right to claim priority to and from said Application(s); (c) in and to each and every application that is a divisional, substitution, continuation, or continuation-in-part of any of said Application(s); (d) in and to said Patent(s) and each and every patent issuing or releasing from any of the foregoing; (e) in and to each and every reissue, reexamination, renewal or extension of any kind of any of the foregoing; (f) in and to each and every patent and application filed outside the United States and corresponding to any of the foregoing; and (g) in and to all claims for past, present and future infringement of the Patent(s), including all rights to sue for and to receive and recover for Assignee's own use all past, present, and future lost profits, royalties, and damages of whatever nature recoverable from an infringement of the 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 berein conveyed in the United States, foreign countries, 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 petitions, 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 therefor 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 reasonable expenses 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, represent and covenant that said Inventor(s) 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.

Attorney Docket No. 25922-889.201, Patent Appl. No. 14/509.897 Attorney Docket No. 25922-889.601, PCT Application No. PCT/US2014/058132

> PATENT REEL: 034685 FRAME: 0252

Page 1 of 3

PATENT ASSIGNMENT	Docket Number 25922-889.201 & 25922-889.601
IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument	to said Assignce as of the dates written below:
Date: 79/2014 CKe	
State/Commonwealth of <u>Contraction</u> ) County of <u>Scharzes</u> County of Scharzes (	
On <u>A REA RAIN</u> before me, <u>ENTIFIE</u> CANNERED (Name/Title of Notary) personally appeared <u>Wei CHEN</u> (Name of Signer) who proved to of satisfactory evidence to be the person whose name is subscribed to the within instrume acknowledged to me that s/he executed the same in his/her authorized capacity, and that h signature on the instrument the person, or entity upon behalf of which the person acted, et instrument.	me on the basis <sup>()</sup> ont and by his/her xecuted the
I certify under PENALTY OF PERJURY under the laws of the State/Commonw <u>المعادية: المعادية:</u> that the foregoing paragraph is true and correct. WITNESS my hand and official seal.	ealth of
Signature: <u>EAHACA, UN</u> (Notary Seal)	ESTHER CAMPEELL Commission # 2039651 Notary Public - California Santa Clara County My Comm. Expires Aug 30, 2017
Date: 11 Dec. 2014 (MARS) 944 Longeheng WANG	
State/Commonwealth of <u>CARAGERS (SHO</u> ) County of <u>SATENA CRASSED</u> )	
On <u>11 bcc</u> <u>3.034</u> before me, <u>CSNEX</u> <u>C4944</u> (Name/Title of Notary) personally appeared <u>Longcheng WANG</u> (Name of Signer) who me the basis of satisfactory evidence to be the person whose name is subscribed to the within acknowledged to me that s/he executed the same in his/her authorized capacity, and that be signature on the instrument the person, or entity upon behalf of which the person acted, exists instrument.	roved to me@n instrument and by his/her secuted the
I certify under PENALTY OF PERJURY under the laws of the State/Commonw <u>스카고주에</u> that the foregoing paragraph is true and correct. WITNESS my hand and official seal.	ealth of
Signature (Notary Seal)	ESTHER CAMPBELL Commission # 2039651 Notary Public - California Santa Clara County My Comm. Expires Aug 30, 2017

Attorney Docket No. 25922-889.201, Patent Appl. No. 14/500,897 Attorney Docket No. 25922-889.601, PCT Application No. PCT/US2014/058132 Page 2 of 3 PATENT

REEL: 034685 FRAME: 0253

PATENT ASSIGNMENT	Docket Number 25922-889.201 & 25922-889.601			
Date: <u>AQC 2014</u> Zhaozhong J. JIA         State/Commonwealth of	istrument and by his/her			
I certify under PENALTY OF PERJURY under the laws of the State/Common <u>CALTER ALE</u> that the foregoing paragraph is true and correct. WITNESS my hand and official seal. Signature <u>Hullan</u> (Notary Seal)	Wealth of E87HER CAMPBELL Commission # 2039651 Notary Public - California Santa Clara County My Comm. Excitat Aug 30, 2017 5			
Date:				
	chard B. Love			

Attorney Docket No. 25922-889.201, Patent Appl. No. 14/500,897 Attorney Docket No. 25922-889.601, PCT Application No. PCT/US2014/058132 Page 3 of 3 PATENT

REEL: 034685 FRAME: 0254

## RECORDED: 01/12/2015