10/23/2015 503537447

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT3584074

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNEE'S NAME previously recorded on Reel 036610 Frame 0685. Assignor(s) hereby confirms the ASSIGNMENT.
RESUBMIT DOCUMENT ID:	503491751

CONVEYING PARTY DATA

Name	Execution Date
WEI CHEN	09/14/2015
LONGCHENG WANG	09/09/2015
DAVID J. LOURY	09/17/2015
ZHAOZHONG J. JIA	09/11/2015
GORDANA BABIC ATALLAH	09/11/2015

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14790978

CORRESPONDENCE DATA

(201)587-0715 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.

Phone: 2014875800 info@kjiplaw.com Email:

KLAUBER & JACKSON LLC Correspondent Name:

25 EAST SPRING VALLEY AVENUE Address Line 1:

Address Line 2: SUITE 160

Address Line 4: MAYWOOD, NEW JERSEY 07607

ATTORNEY DOCKET NUMBER:	3446-1-001N
NAME OF SUBMITTER:	DAVID A. JACKSON
SIGNATURE:	/David A. Jackson/

PATENT REEL: 037166 FRAME: 0520 503537447

DATE SIGNED:	10/23/2015
Total Attachments: 5	
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source=3446_1_001N_executed_Assign	nment_Pharmacyclics-wthAssignCoverSheet#page2.tif
source=3446_1_001N_executed_Assign	nment_Pharmacyclics-wthAssignCoverSheet#page3.tif
source=3446_1_001N_executed_Assign	nment_Pharmacyclics-wthAssignCoverSheet#page4.tif
source=3446 1 001N executed Assign	nment_Pharmacyclics-wthAssignCoverSheet#page5.tif

PATENT REEL: 037166 FRAME: 0521

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3534590

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
WEI CHEN	09/14/2015
LONGCHENG WANG	09/09/2015
ZHAOZHONG J. JIA	09/11/2015
GORDANA BABIC ATALLAH	09/11/2015
DAVID J. LOURY	09/17/2015

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14790978

CORRESPONDENCE DATA

Fax Number:

(201)587-0715

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:

2014875800

Email:

info@kjiplaw.com

Correspondent Name:

KLAUBER & JACKSON LLC

Address Line 1:

25 EAST SPRING VALLEY AVENUE

Address Line 2:

SUITE 160

Address Line 4:

MAYWOOD, NEW JERSEY 07607

ATTORNEY DOCKET NUMBER:	3446-1-001N
NAME OF SUBMITTER:	DAVID A. JACKSON
SIGNATURE:	/David A. Jackson/
DATE SIGNED:	09/21/2015
Total Attachments: 4	

PATENT REEL: 037166 FRAME: 0522

Docket Numbers 00501US, 00501WO AND 00501WO2 (3446-1-001N, 3446-1-001PCT, and 3446-1-001PCT2)

WHEREAS, the undersigned:

CHEN, Wei
 Pharmacyclics LLC
 1668 Walden Court
 Fremont, CA 94539

- WANG, Longcheng Pharmacyclics LLC 4294 Wilkie Way, Apt. L Palo Alto, CA 94306
- 3. LOURY, David J. Pharmacyclics LLC 7130 Galli Drive San Jose, CA 95129

- 4. JIA, Zhaozhong J.
 Pharmacyclics LLC
 3416 Leafwood Court
 San Mateo, California 94403
- ATALLAH, Gordana Babic Pharmacyclics LLC 4493 Deep Creek Road Fremont, CA 94555

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

INHIBITORS OF BRUTON'S TYROSINE KINASE

for which a United States patent application is executed on even date herewith;
If or which application serial numbers 14/790,978, PCT/US2015/38937 AND PCT/US2015/38986 were filed on July 2.
2015 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, Pharmacyclics LLC., having a place of business at 995 East Arques Avenue, Sunnyvale, 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 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:

- Said Inventor(s) have sold, assigned, transferred, and conveyed and do hereby sell, assign, transfer and convey unto said Assignee, the inventor(s) 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).
- 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 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

Docket Numbers 00501US, 00501WO AND 00501WO2 (3446-1-001N, 3446-1-001PCT, and 3446-1-001PCT2)

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.

of which is deemed an	original, but all of which together constitute one and the same agreement.
written below	SWHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the dates Signature: Wei CHEN
Date: 5-9.2015	Signature: Longcheng WANG
Date:	Signature: David J. LOURY
Date: 1156915	Signature: Zhaozhong J. JIA
Date: 11 Sys 15	Signature:

Gordana Babic ATALLAH

Docket Numbers 00501US, 00501WO AND 00501WO2 (3446-1-001N, 3446-1-001PCT, and 3446-1-001PCT2)

WHEREAS, the undersigned:

1. CHEN, Wei Pharmacyclics LLC 1668 Walden Court Fremont, CA 94539

- WANG, Longcheng Pharmacyclics LLC 4294 Wilkie Way, Apt. L Palo Alto, CA 94306
- 3. LOURY, David J. Pharmacyclics LLC 7130 Galli Drive San Jose, CA 95129

- JIA, Zhaozhong J.
 Pharmacyclics LLC
 3416 Leafwood Court
 San Mateo, California 94403
- ATALLAH, Gordana Babic Pharmacyclics LLC
 4493 Deep Creek Road Fremont, CA 94555

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

INHIBITORS OF BRUTON'S TYROSINE KINASE

If for which a United States patent application is executed on even date herewith;
for which application serial numbers 14/790,978, PCT/US2015/38937 AND PCT/US2015/38986 were filed on July 2
2015 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, Pharmacyclics LLC., having a place of business at 995 East Arques Avenue, Sunnyvale, 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 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) have sold, assigned, transferred, and conveyed and do hereby sell, assign, transfer and convey unto said Assignee, the inventor(s) 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 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

Docket Numbers 00501US, 00501WO AND 00501WO2 (3446-1-001N, 3446-1-001PCT, and 3446-1-001PCT2)

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: Signature: Wei CHEN

Date: Longcheng WANG

Date: Psenders Signature: David LŁOURY

Date: Signature: Zhaozhong J. JIA

Date: Signature: Zhaozhong J. JIA

Page 2 of 2