502719006 03/12/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

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EPAS ID: PAT2765610

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PRABHA N. IBRAHIM	09/20/2005
HANNA CHO	08/31/2005
BRUCE ENGLAND	08/31/2005
SAM GILLETTE	08/30/2005
DEAN R. ARTIS	09/19/2005
REBECCA ZUCKERMAN	09/01/2005
CHAO ZHANG	09/02/2005

RECEIVING PARTY DATA

Name:	PLEXXIKON INC.
Street Address:	91 BOLIVAR DRIVE
Internal Address:	SUITE A
City:	BERKELEY
State/Country:	CALIFORNIA
Postal Code:	94710

PROPERTY NUMBERS Total: 1

Property Type	Number
Patent Number:	8470821

CORRESPONDENCE DATA

Fax Number: (650)815-2601

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via

US Mail.

Phone: 650-815-2600

Email: svipdocketing@sheppardmullin.com

Correspondent Name: SHEPPARD MULLIN RICHTER & HAMPTON LLP

Address Line 1: 379 LYTTON AVENUE

Address Line 4: PALO ALTO, CALIFORNIA 94301

ATTORNEY DOCKET NUMBER:	192427-US2
NAME OF SUBMITTER:	LORNA L. TANNER
SIGNATURE:	/ Lorna L. Tanner /
DATE SIGNED:	03/12/2014
	PATENT

502719006 REEL: 032420 FRAME: 0541

Total Attachments: 12 source=1125Assignment#page1.tif source=1125Assignment#page2.tif source=1125Assignment#page3.tif source=1125Assignment#page5.tif source=1125Assignment#page6.tif source=1125Assignment#page7.tif source=1125Assignment#page8.tif source=1125Assignment#page8.tif source=1125Assignment#page10.tif source=1125Assignment#page11.tif source=1125Assignment#page11.tif source=1125Assignment#page12.tif

PATENT REEL: 032420 FRAME: 0542

ASSIGNMENT - WORLDWIDE

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

Plexxikon, Inc. 91 Bolivar Drive, Suite A Berkeley, CA 94710

(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

PDE4B INHIBITORS AND USES THEREFOR

check one	[] executed concurrently herewith,	
	[] executed on	9
	[X] Serial No. 11/123 893 Filed 05/06/200	วร

as set forth in this 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, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; 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 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.

Page 1 of 6

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

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 Foley & Lardner 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 Foley & Lardner 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.

Executed this 20th day of September,	2005. Son De Andrin
State of <u>California</u>)ss. County of <u>Alameda</u>)ss.	PRABHA N. IBRAHIM
On this A day of September, 2005, before IBRAHIM, who is personally known to me to be the same person whose acknowledged that he/she signed, sealed, and delivered the said instrument forth.	re me, a notary public in and for said county, appeared PRABHA N. name is subscribed to the foregoing instrument, and he/she nt as his/her free and voluntary act for the uses and purposes therein set
JOHN TESSMAN	
Commission # 1588363	
Notary Public - California & Alameda Caunty	Notary Public
(Seal) My Comm. Expires Jun 18, 2009	My Commission Expires: 6/18/2009
Executed this 31st day of August,	
State of California	HANNA CHO
State of <u>California</u> County of <u>Alameda</u>)ss.	
On this 31 day of August, 2005, befor who is personally known to me to be the same person whose name is subshe/she signed, sealed, and delivered the said instrument as his/her free and	e me, a notary public in and for said county, appeared HANNA CHO, cribed to the foregoing instrument, and he/she acknowledged that I voluntary act for the uses and purposes therein set forth.
_	and the same of th
F JOHN TESSMAN	Notary Public
Commission # 1588363	
(Seal) Notary Public - California Alameda County My Comm. Expires Jun 18, 2000	My Commission Expires: 6/18/2009

Executed this day of,	20
State of	BRUCE ENGLAND
On thisday of, 20, before ENGLAND, who is personally known to me to be the same person whose acknowledged that he/she signed, sealed, and delivered the said instrume forth.	re me, a notary public in and for said county, appeared BRUCE aname is subscribed to the foregoing instrument, and he/she nt as his/her free and voluntary act for the uses and purposes therein set
	Notary Public
(Seal)	My Commission Expires:
Executed this 300 day of Angust,	20 <u>05</u>
-	SANGHIE
State of <u>(alifornia</u>)ss. County of <u>Alameda</u>)ss.	SAM GILLETTE
On this 30 day of August 2002, befor GILLETTE, who is personally known to me to be the same person whose acknowledged that he/she signed, sealed, and delivered the said instrumer forth.	name is subscribed to the foregoing instrument, and he/she-
	Notary Public
(Seal) JOHN TESSMAN Commission # 1389343 Notary Public - California Alameda County My Comm. Expires Jun 13, 2009	My Commission Expires: 6/13/2009

Executed this day of	, 20 - 3 .
State of <u>California</u>) County of <u>Haned a</u>) On this <u>19</u> day of <u>Soptember</u> , 2005, be	DEAN R. ARTIS fore me, a notary public in and for said county, appeared DEAN R. ame is subscribed to the foregoing instrument, and he/she acknowledged
that he/she signed, sealed, and delivered the said instrument as his/her in that he/she signed, sealed, and delivered the said instrument as his/her in that he/she signed, sealed, and delivered the said instrument as his/her in that he/she signed, sealed, and delivered the said instrument as his/her in that he/she signed, sealed, and delivered the said instrument as his/her in the same person whose nature is that he/she signed, sealed, and delivered the said instrument as his/her in the same person whose nature is that he/she signed, sealed, and delivered the said instrument as his/her in the same person whose nature is that he/she signed, sealed, and delivered the said instrument as his/her in the same person whose nature is that he/she signed, sealed, and delivered the said instrument as his/her in the same person whose nature is the said instrument as his/her in the same person whose nature is the said instrument as his/her in the said instr	Notary Public My Commission Expires: 6//8/09
Executed this day of	, 20 <u><i>D</i></u> 5
and the second of the second o	REBECCAZUCKERMAN fore me, a notary public in and for said county, appeared REBECCA whose name is subscribed to the foregoing instrument, and he/she nent as his/her free and voluntary act for the uses and purposes therein set
JOHN TESSMAN Commission # 1538363 Notary Public - California Alameua Caunty My Comm Expires Jun 18, 20	Notary Public My Commission Expires: 6/18/2009

Executed this second day of September, 20 os.

CHAO ZHANG

State of California)ss

On this 2 day of 50 day of 50 february, 2005, before me, a notary public in and for said county, appeared CHAO ZHANG, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and he/she acknowledged that he/she signed, sealed, and delivered the said instrument as his/her-free and voluntary act for the uses and purposes therein set forth.

(Seal)

JOHN TESSMAN
Commission # 1588363
Notary Public - California
Alameda County
My Corrun, Expires Jun 18, 2009

Notary Public

My Commission Expires: 6/18/200 9

ASSIGNMENT - WORLDWIDE

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

Plexxikon, Inc. 91 Bolivar Drive, Suite A Berkeley, CA 94710

(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

PDE4B INHIBITORS AND USES THEREFOR

check one	[] executed concurre	ently herewith,
	[] executed on	
	[X] Serial No. 11/123,	893 Filed 05/06/2005

as set forth in this 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, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; 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.

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Page 1 of 6

023.270811.1

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

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Page 2 of 6

Executed this day of	, 20
	PRABHA N. IBRAHIM
tate of))ss. County of)	
BRAHIM, who is personally known to me to be the same personally	, before me, a notary public in and for said county, appeared PRABHA N. on whose name is subscribed to the foregoing instrument, and he/she is instrument as his/her free and voluntary act for the uses and purposes therein set.
	Notary Public
(Seal)	My Commission Expires:
Executed this day of	, 20
	TANDIA CHO
tate of)	HANNA CHO
county of)ss.	
tho is personally known to me to be the same person whose na	, before me, a notary public in and for said county, appeared HANNA CHO, ame is subscribed to the foregoing instrument, and he/she acknowledged that her free and voluntary act for the uses and purposes therein set forth.
	Notary Public
(Seal)	My Commission Expires:

Page 3 of 6

Executed this day of	
	B_ C/
Ant Co.	BRUCE ENGLAND
State of)	
County of Alameda)ss.	
On this 3/ day of 4/3//5+ ,2005; ENGLAND, who is personally known to me to be the same person wacknowledged that he/shé signed, sealed, and delivered the said instrict.	before me, a notary public in and for said county, appeared BRUCE hose name is subscribed to the foregoing instrument, and he/she ument as his/her free and voluntary act for the uses and purposes therein set
É ARES SELENA M. JORDAN	helena ne Conda
COMM. #1505115 CEL NOTARY PUBLIC - CALEDRANA	Notary Bublic
ALAMEDA COUNTY At Comm. Exoires ALIG 02, 2004, 7	My Commission Expires: 83/-05
(Seal)	My Commission Expires:
Executed this day of	
State of)	SAM GILLETTE
)ss. County of)	
GILLETTE, who is personally known to me to be the same person w	before me, a notary public in and for said county, appeared SAM hose name is subscribed to the foregoing instrument, and he/she ument as his/her free and voluntary act for the uses and purposes therein set
	Notary Public
	My Commission Expires:

(Seal)

Exe	cuted this	day of	, 20	0
				DEAN R. ARTIS
		Jee		
RTIS, who is p	ersonally known t	o me to be the same	person whose name i	me, a notary public in and for said county, appeared DEAN R. is subscribed to the foregoing instrument, and he/she acknowledged and voluntary act for the uses and purposes therein set forth.
				Notary Public
(Seal))			My Commission Expires:
Eva	autad this	day of	2	20
Exe	cuted this	day of	, 2	
			10,000	REBECCA ZUCKERMAN
ounty of))ss.)		
On th	nis day of who is personally	known to me to be	the same person who	e me, a notary public in and for said county, appeared REBECCA ose name is subscribed to the foregoing instrument, and he/she t as his/her free and voluntary act for the uses and purposes therein
				Notary Public
(Seal	`			My Commission Expires:

Page 5 of 6

Atty. Dkt. No. 039363-1109

Executed	this day	ot	, 20	<u> </u>			
					CHAO	ZHANG	
State of							
County of)s:)	S.					
On thiswho is personally know he/she signed, sealed, a		person whose na	ime is subscribe	d to the foregoin	ng instrument,	and he/she ackno	wledged that
						Notary Public	
				Му	Commission E	xpires:	
(Seal)							

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RECORDED: 03/12/2014

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