

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2995904

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the SPELLING OF THE 5TH NAMED INVENTOR previously recorded on Reel 023063 Frame 0866. Assignor(s) hereby confirms the ASSIGNMENT OF THE ENTIRE RIGHT, TITLE AND INTEREST.
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SOMASEKHAR BHAMIDIPATI	05/21/2009
JEFFREY CLOUGH	05/18/2009
ANKUSH ARGADE	03/30/2009
RAJINDER SINGH	05/20/2009
VADIM MARKOVTSOV	08/06/2014
PINGYU DING	05/20/2009
JIAXIN YU	05/20/2009
ANDY ATUEGBU	04/03/2009
HUI HONG	05/20/2009
IHAB DARWISH	05/20/2009
SAMBAIAH THOTA	01/04/2009
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	RIGEL PHARMACEUTICALS, INC.
<b>Street Address:</b>	1180 VETERANS BOULEVARD
<b>City:</b>	SOUTH SAN FRANCISCO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94080
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12371550
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(206)682-6031
<i>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.</i>	
<b>Phone:</b>	2066224900
<b>Email:</b>	carolw@seedip.com
<b>Correspondent Name:</b>	CAROL J. ROTH
<b>Address Line 1:</b>	701 FIFTH AVENUE

PATENT

<b>Address Line 2:</b>	SUITE 5400
<b>Address Line 4:</b>	SEATTLE, WASHINGTON 98104-7092

<b>ATTORNEY DOCKET NUMBER:</b>	800050.418
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<b>NAME OF SUBMITTER:</b>	CAROL J. ROTH
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<b>SIGNATURE:</b>	/Carol J. Roth/
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<b>DATE SIGNED:</b>	08/25/2014
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**Total Attachments: 16**

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TO: CAROL J. ROTH COMPANY: 701 FIFTH AVENUE

## PATENT ASSIGNMENT

Electronic Version v1.1  
Stylesheet Version v1.108/06/2009  
500930842

SUBMISSION TYPE:	NEW ASSIGNMENT																								
NATURE OF CONVEYANCE:	ASSIGNMENT																								
CONVEYING PARTY DATA																									
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Somasekhar Bhamidipati</td><td>05/21/2009</td></tr><tr><td>Jeffrey Clough</td><td>05/18/2009</td></tr><tr><td>Ankush Argade</td><td>03/30/2009</td></tr><tr><td>Rajinder Singh</td><td>05/20/2009</td></tr><tr><td>Vadim Markovtosov</td><td>05/20/2009</td></tr><tr><td>Pingyu Ding</td><td>05/20/2009</td></tr><tr><td>Jiixin Yu</td><td>05/20/2009</td></tr><tr><td>Andy Atuegbu</td><td>04/03/2009</td></tr><tr><td>Hui Hong</td><td>05/20/2009</td></tr><tr><td>Ihab Darwish</td><td>05/20/2009</td></tr><tr><td>Sambajah Thota</td><td>01/04/2009</td></tr></tbody></table>		Name	Execution Date	Somasekhar Bhamidipati	05/21/2009	Jeffrey Clough	05/18/2009	Ankush Argade	03/30/2009	Rajinder Singh	05/20/2009	Vadim Markovtosov	05/20/2009	Pingyu Ding	05/20/2009	Jiixin Yu	05/20/2009	Andy Atuegbu	04/03/2009	Hui Hong	05/20/2009	Ihab Darwish	05/20/2009	Sambajah Thota	01/04/2009
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<table border="1"><tr><td>Name:</td><td>Rigel Pharmaceuticals, Inc.</td></tr><tr><td>Street Address:</td><td>1180 Veterans Boulevard</td></tr><tr><td>City:</td><td>South San Francisco</td></tr><tr><td>State/Country:</td><td>CALIFORNIA</td></tr><tr><td>Postal Code:</td><td>94080</td></tr></table>		Name:	Rigel Pharmaceuticals, Inc.	Street Address:	1180 Veterans Boulevard	City:	South San Francisco	State/Country:	CALIFORNIA	Postal Code:	94080														
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Phone: 206-622-4900																									
Email: AmberM@SeedIP.com																									
Correspondent Name: Carol J. Roth																									

CH \$40.00 12371550

TO: CAROL J. ROTH COMPANY: 701 FIFTH AVENUE

Address Line 1:	701 Fifth Avenue
Address Line 2:	Suite 5400
Address Line 4:	Seattle, WASHINGTON 98104

ATTORNEY DOCKET NUMBER:	800050.418
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NAME OF SUBMITTER:	Carol J. Roth
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**Total Attachments: 12**

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## ASSIGNMENT

WHEREAS, we,

Name	Residence Address	
Somasekhar Bhamidipati	888 Foster City Boulevard, #Q2, Foster City, California 94404	;
Jeffrey Clough	3520 Bay Road, Redwood City, California 94063	;
Ankush Argade	281 Winchester Court, Foster City, California 94404	;
Rajinder Singh	1832 Hillman Avenue, Belmont, California 94022	;
Vadim Markovtsov	226 Bonita Lane, Foster City, California 94404	;
Pingyu Ding	736 Bounty Drive, Apartment 3620, Foster City, California 94404	;
Jiaxin Yu	628 Chestnut Street, San Carlos, California 94070	;
Andy Atuegbu	5751 Penwood Lane, Dublin, California 94568	;
Hui Hong	240 Ventura Avenue, Palo Alto, California 94306	;
Ihab Darwish	4 Azalea Lane, San Carlos, California 94070	; and
Sambaiah Thota	4501 Guiso Common, Fremont, California 94536	

(hereinafter referred to as ASSIGNORS), having residence addresses as listed above next to our names, are the listed inventors/applicants of the patent application entitled "**PYRIMIDINE-2-AMINE COMPOUNDS AND THEIR USE AS INHIBITORS OF JAK KINASES**," as filed with the U.S. Patent and Trademark Office on **February 13, 2009**, and assigned Application No. **12/371,550**, and as filed with the U.S. Receiving Office of the PCT on February 13, 2009 and assigned Application No. PCT/US2009/034159, wherein both aforementioned applications claim the benefit of U.S. Provisional Patent Application No. 61/029,265 filed February 15, 2008; U.S. Provisional Patent Application No. 61/038,672 filed March 21, 2008; and U.S. Provisional Patent Application No. 61/112,046 filed November 6, 2008.

WHEREAS, **Rigel Pharmaceuticals, Inc.** (hereinafter referred to as ASSIGNEE), a corporation of the State of Delaware having a place of business at 1180 Veterans Boulevard, South San Francisco, California 94080, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

This Assignment is effective as of February 13, 2009.

Date 05/21/09

Somasekhar Bhamidipati  
Somasekhar Bhamidipati

State of California

County of San Mateo

On May 21, 2009, before me, Jasleen Kaur Kals, Notary Public  
(Here insert name and title of the officer)  
personally appeared Somasekhar Bhamidipati

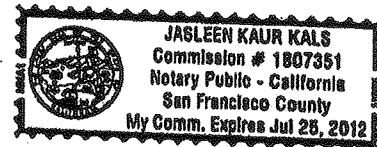
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Jasleen Kaur Kals  
Signature of Notary Public

(Notary Seal)



5/16/09  
Date

Jeffrey Clough  
Jeffrey Clough

State of California

County of San Mateo

On May 18, 2009, before me, Jasleen Kaur Kals, Notary Public,  
(Here insert name and title of the officer)  
personally appeared Jeffrey Clough

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in  
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s),  
or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing  
paragraph is true and correct.

WITNESS my hand and official seal.

Jasleen Kals  
Signature of Notary Public



(Notary Seal)

3/30/09  
Date

ANKUSH ARGADE  
ANKUSH ARGADE

State of California

County of San Mateo

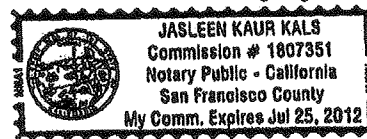
On March 30, 2009, before me, Jasleen Kaur Kals, Notary Public,  
(Here insert name and title of the officer)  
personally appeared ANKUSH ARGADE,

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in  
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s),  
or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing  
paragraph is true and correct.

WITNESS my hand and official seal.

Jasleen Kals  
Signature of Notary Public



(Notary Seal)

Date 5/20/09

Rajinder Singh  
Rajinder Singh

State of California

County of San Mateo

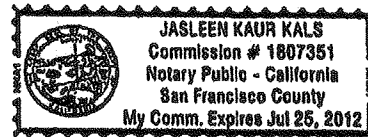
On May 20, 2009, before me, Jasleen Kaur Kals, Notary Public  
personally appeared Rajinder Singh (Here insert name and title of the officer)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within Instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Jasleen Kals  
Signature of Notary Public



(Notary Seal)

Date

8/6/14

Vadim Markovtsov

*[Signature]*

State of California

County of San Mateo

On August 6, 2014, before me, Teresa Marie Lasaga, Notary Public  
(Here insert name and title of the officer)  
personally appeared Vadim Markovtsov

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

*[Signature]*

Signature of Notary Public

(Notary Seal)



Date

05/20/2009Pingyu Ding

State of California

County of San Mateo

On May 20, 2009, before me, Jasleen Kaur Kals, Notary Public,  
(Here insert name and title of the officer)  
 personally appeared Pingyu Ding,

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are  
 subscribed to the within instrument and acknowledged to me that he/she/they executed the same in  
 his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s),  
 or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing  
 paragraph is true and correct.

WITNESS my hand and official seal.

Signature of Notary Public

Jasleen Kals

(Notary Seal)

Date 5/20/2009

Jiaxin Yu

State of California

County of San Mateo

On May 20, 2009, before me, Jasleen Kaur Kals, Notary Public,  
personally appeared Jiaxin Yu (Here insert name and title of the officer),

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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WITNESS my hand and official seal.

Jasleen Kals  
Signature of Notary Public



(Notary Seal)

4/3/09  
Date

Andy Atuegbu  
Andy Atuegbu

State of California

County of Alameda

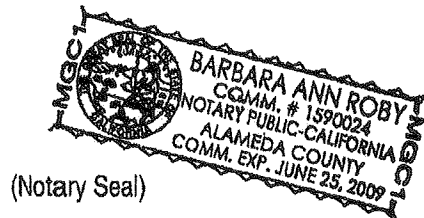
On April 3 2009, before me, Barbara Ann Roby Notary Public,  
(Here insert name and title of the officer)  
personally appeared ANDY ATUEGBU

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature of Notary Public



Date 5/20/2009

Hui Hong

State of California

County of San Mateo

On May 20, 2009, before me, Jasleen Kaur Kals, Notary Public,  
(Here insert name and title of the officer)  
personally appeared Hui Hong

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in  
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s),  
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I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing  
paragraph is true and correct.

WITNESS my hand and official seal.

Jasleen Kals  
Signature of Notary Public



(Notary Seal)

Date 05/20/2009

Ihab Darwish  
Ihab Darwish

State of California

County of San Mateo

On May 20, 2009, before me, Jasleen Kaur Kals, Notary Public,  
(Here insert name and title of the officer)  
personally appeared Ihab Darwish

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Jasleen Kals  
Signature of Notary Public



(Notary Seal)

01/04/2009  
Date

Sambaiah Thota  
Sambaiah

State of California

County of San Mateo

On January 4, 2009, before me, Jasleen Kaur Kals, Notary Public,  
(Here Insert name and title of the officer)  
personally appeared Sambaiah Thota

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in  
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s),  
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WITNESS my hand and official seal.

Jasleen K.S.  
Signature of Notary Public



(Notary Seal)

800050.418 P.0243.03.US.UT 1344901v1