

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
Ankush Argade	04/02/2010
Arvinder Sran	03/19/2010
David Carroll	05/12/2010
Jeffrey Clough	05/05/2010
Kin Tso	05/04/2010
Somasekhar Bhamidipati	05/04/2010
Sambaiah Thota	03/30/2010
Rajinder Singh	05/11/2010
Vanessa Taylor	06/23/2010
Hui Li	05/04/2010
Esteban Masuda	08/30/2010

**RECEIVING PARTY DATA**

Name:	Rigel Pharmaceuticals, Inc.
Street Address:	1180 Veterans Boulevard
City:	South San Francisco
State/Country:	CALIFORNIA
Postal Code:	94080

**PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	12711534

**CORRESPONDENCE DATA**

Fax Number: (510)663-0920  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
 Phone: 5106631100  
 Email: ksimpson@wavsip.com  
 Correspondent Name: Brian D. Griedel

**CH \$40.00 12711534**

**501290349**

**PATENT  
 REEL: 024986 FRAME: 0255**

Address Line 1: Weaver Austin Villeneuve & Sampson LLP  
Address Line 2: 500 12th Street, Suite 200  
Address Line 4: Oakland, CALIFORNIA 94607

ATTORNEY DOCKET NUMBER: RIGLP002X1C2

NAME OF SUBMITTER: Brian D. Griedel

**Total Attachments: 9**

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## ASSIGNMENT OF PATENT APPLICATION

Whereas I, an undersigned inventor, have invented certain new and useful improvements as set forth in the patent application entitled:

### COMPOSITIONS AND METHODS FOR INHIBITION OF THE JAK PATHWAY

(Atty. Docket No. RIGLP002X1C2/P.0192.17.US.UT), (check one)

- for which I have executed a U.S. patent application on even date herewith. (Accompanying)  
 which bears U.S. application No. **12/711,534** . (Not accompanying)  
 which is a U.S. provisional application. (Accompanying)

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, an undersigned inventor, hereby:

- 1) Sell, assign and transfer to **Rigel Pharmaceuticals, Inc.**, having a place of business at 1180 Veterans Boulevard, South San Francisco, California 94080 (“ASSIGNEE”), the entire right, title and interest in any and all improvements and inventions disclosed in, applications based upon, and patents granted upon (including foreign patents and the right to claim priority), the above-referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all United States Patents resulting from said application or any division, continuation, substitute, renewal, re-examination or reissue thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE’s expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representatives, and shall be binding upon the inventor, as well as the inventor’s heirs, legal representatives and assigns.
- 5) Warrant and represent that I have not entered and will not enter into any assignment, contract, or understanding that conflicts with this assignment.
- 6) Authorize and request my attorney/agent to insert above the application No. in order to assist with recordal of this assignment.

Signed on the date indicated beside my signature.

1. Inventor Signature: *ANKUSH ARGADE* Date: April 2, 2010  
Ankush Argade

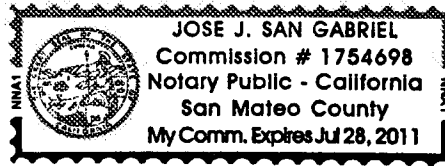
State of California )  
County of San Mateo ) SS.

On April 2, 2010 before me, JOSE J. SAN GABRIEL <sup>Notary Public</sup>, 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.

Signature *Jose J. San Gabriel*



2. Inventor Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Arvinder Sran

State of California )  
County of \_\_\_\_\_ ) SS.

On \_\_\_\_\_ before me, \_\_\_\_\_, personally appeared Arvinder Sran, 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 \_\_\_\_\_

1. Inventor Signature: Ankush Argade Date: \_\_\_\_\_

State of California )  
County of \_\_\_\_\_ ) ss.

On \_\_\_\_\_ before me, \_\_\_\_\_, 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.

Signature \_\_\_\_\_

2. Inventor Signature: Arvinder S Sran Date: 03/19/10  
Arvinder Sran

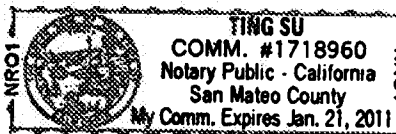
State of California )  
County of San Mateo ) ss.

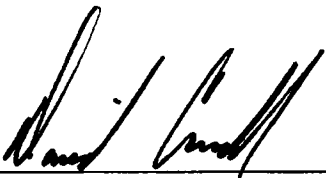
On March 19, 2010 before me, Ting Su, personally appeared Arvinder Sran, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), 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 \_\_\_\_\_



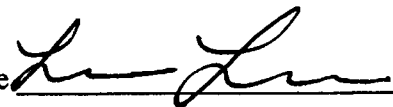
3. Inventor Signature:  Date: May 12, 2010  
David Carroll

State of California )  
County of San Mateo ) ss.

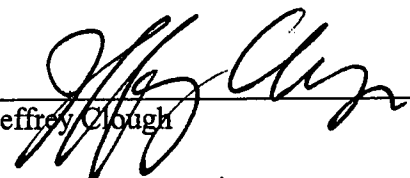
On May 12, 2010 before me, Teresa Marie Lasaga, personally appeared David Carroll, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized 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 



4. Inventor Signature:  Date: 5/5/10  
Jeffrey Clough

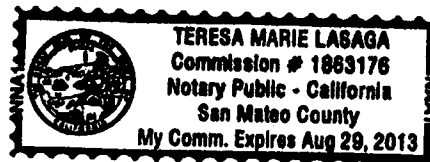
State of California )  
County of San Mateo ) ss.

On May 5, 2010 before me, Teresa Marie Lasaga, 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.

Signature 



5. Inventor Signature: [Signature] Date: 5/4/10  
Kin Tso

State of California )  
County of San Mateo ) ss.

On May 4, 2010 before me, Teresa Marie Lasaga, personally appeared Kin Tso, 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]



6. Inventor Signature: [Signature] Date: 05/04/2010  
Somasekhar Bhamidipati

State of California )  
County of San Mateo ) ss.

On May 4, 2010 before me, Teresa Marie Lasaga, 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.

Signature [Signature]



7. Inventor Signature: *Sambaiah Thota* Date: 03/30/2010  
Sambaiah Thota

State of Massachusetts )  
County of Middlesex )

ss. Regina A. Landek

On 3/30/2010 before me, ~~Sambaiah Thota~~, 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), 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 Massachusetts that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature *Regina A. Landek*  
My Commission Expires  
**September 24, 2010**

8. Inventor Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Rajinder Singh

State of California )  
County of \_\_\_\_\_ )

ss.

On \_\_\_\_\_ before me, \_\_\_\_\_, personally appeared Rajinder Singh, 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 \_\_\_\_\_



7. Inventor Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Sambaiah Thota

State of Massachusetts )  
 )  
County of \_\_\_\_\_ ) ss.

On \_\_\_\_\_ before me, \_\_\_\_\_, 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), 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 Massachusetts that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature \_\_\_\_\_

8. Inventor Signature: *Rajinder Singh* Date: 5/11/10  
Rajinder Singh

State of California )  
 )  
County of San Mateo ) ss.

On May 11, 2010 before me, Teresa Marie Lasaga, personally appeared Rajinder Singh, 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 *Teresa Marie Lasaga*



9. Inventor Signature: *[Signature]* Date: 06/23/2010  
Vanessa Taylor

State of California )  
County of San Mateo ) ss.

On June 23, 2010 before me, Teresa Marie Lasaga, personally appeared Vanessa Taylor, 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]*



10. Inventor Signature: *[Signature]* Date: 5/4/10  
Hui Li

State of California )  
County of San Mateo ) ss.

On May 4, 2010 before me, Teresa Marie Lasaga, personally appeared Hui Li, 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]*



11. Inventor Signature: ELM Date: 8/30/2010  
Esteban Masuda

State of California )  
County of San Mateo ) ss.

On August 30, 2010 before me, Teresa Marie Lasaga, personally appeared Esteban Masuda, 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 [Handwritten Signature]

