

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

| 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>Sacha Holland</td><td>08/09/2011</td></tr><tr><td>Rao Kolluri</td><td>08/15/2011</td></tr><tr><td>Salvador Alvarez</td><td>08/09/2011</td></tr><tr><td>Matthew Duncton</td><td>08/08/2011</td></tr><tr><td>Rajinder Singh</td><td>08/15/2011</td></tr><tr><td>Jing Zhang</td><td>08/09/2011</td></tr><tr><td>Esteban Masuda</td><td>08/09/2011</td></tr></tbody></table> | | Name | Execution Date | Sacha Holland | 08/09/2011 | Rao Kolluri | 08/15/2011 | Salvador Alvarez | 08/09/2011 | Matthew Duncton | 08/08/2011 | Rajinder Singh | 08/15/2011 | Jing Zhang | 08/09/2011 | Esteban Masuda | 08/09/2011 |
| Name | Execution Date | | | | | | | | | | | | | | | | |
| Sacha Holland | 08/09/2011 | | | | | | | | | | | | | | | | |
| Rao Kolluri | 08/15/2011 | | | | | | | | | | | | | | | | |
| Salvador Alvarez | 08/09/2011 | | | | | | | | | | | | | | | | |
| Matthew Duncton | 08/08/2011 | | | | | | | | | | | | | | | | |
| Rajinder Singh | 08/15/2011 | | | | | | | | | | | | | | | | |
| Jing Zhang | 08/09/2011 | | | | | | | | | | | | | | | | |
| Esteban Masuda | 08/09/2011 | | | | | | | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | | | | | | | |
| <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 | | | | | | |
| Name: | Rigel Pharmaceuticals, Inc. | | | | | | | | | | | | | | | | |
| Street Address: | 1180 Veterans Boulevard | | | | | | | | | | | | | | | | |
| City: | South San Francisco | | | | | | | | | | | | | | | | |
| State/Country: | CALIFORNIA | | | | | | | | | | | | | | | | |
| Postal Code: | 94080 | | | | | | | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | | | | | | | |
| <table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>13188222</td></tr></tbody></table> | | Property Type | Number | Application Number: | 13188222 | | | | | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | | | | | |
| Application Number: | 13188222 | | | | | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | | | | | |
| Fax Number: | (650)327-3231 | | | | | | | | | | | | | | | | |
| Phone: | 6503273400 | | | | | | | | | | | | | | | | |
| Email: | cisneros@bozpat.com | | | | | | | | | | | | | | | | |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i> | | | | | | | | | | | | | | | | | |
| Correspondent Name: | Connie C. Tong | | | | | | | | | | | | | | | | |
| Address Line 1: | Bozicevic Field and Francis LLP | | | | | | | | | | | | | | | | |
| Address Line 2: | 1900 University Avenue, Suite 200 | | | | | | | | | | | | | | | | |
| Address Line 4: | East Palo Alto, CALIFORNIA 94303 | | | | | | | | | | | | | | | | |

OP \$40.00 13188222

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PATENT
REEL: 027222 FRAME: 0604

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|---|----------------|
| ATTORNEY DOCKET NUMBER: | RIGL-069 |
| NAME OF SUBMITTER: | Connie C. Tong |
| Total Attachments: 5 source=P020810US-UT_RIGL-069_Executed_Assignment#page1.tif source=P020810US-UT_RIGL-069_Executed_Assignment#page2.tif source=P020810US-UT_RIGL-069_Executed_Assignment#page3.tif source=P020810US-UT_RIGL-069_Executed_Assignment#page4.tif source=P020810US-UT_RIGL-069_Executed_Assignment#page5.tif | |

ASSIGNMENT OF PATENT APPLICATION

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

PROTEIN KINASE C INHIBITORS AND USES THEREOF

(Atty. Docket No. RIGL-069/P.0208.10.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. 13/188,222, Filed on July 21, 2011. (Not Accompanying)
☐ which is a U.S. 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.**, a Delaware corporation having a place of business at **1180 Veterans Boulevard, South San Francisco, CA 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: Sacha Holland
Sacha Holland

Date: 8-9-11

State of California)
County of San Mateo) SS.

On August 09, 2011 before me, Teresa Marie Lasaga,
personally appeared Sacha Holland, 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.



2. Inventor Signature: Rao Kolluri, S.S.P. Rao
Rao Kolluri

Date: 08/15/2011

State of California)
County of San Mateo) SS.

On August 15, 2011 before me, Teresa Marie Lasaga,
personally appeared Rao Kolluri, 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]



3. Inventor Signature: Salvador Alvarez Date: 8/9/2011
Salvador Alvarez

State of California)
County of San Mateo) SS.

On August 09, 2011 before me, Teresa Marie Lasaga,
personally appeared Salvador Alvarez, 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]



4. Inventor Signature: M. Duncton Date: 08th August 2011
Matthew Duncton

State of California)
County of San Mateo) SS.

On August 8, 2011 before me, Teresa Marie Lasaga,
personally appeared Matthew Duncton, 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]



5. Inventor Signature:

Rajinder Singh

Date:

8/5/11

State of California)

County of

San Mateo

SS.

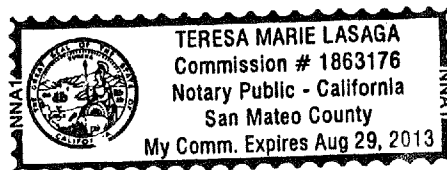
On August 13, 2011 before me, Teresa Marie Lasaga, personally appeared Rajinder Singh, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized 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

[Signature]



6. Inventor Signature:

Jing Zhang

Date:

08/09/2011

State of California)

County of

San Mateo

SS.

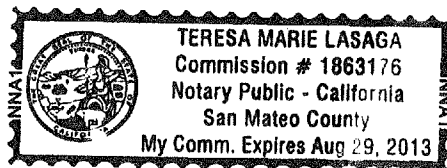
On August 08, 2011 before me, Teresa Marie Lasaga, personally appeared Jing Zhang, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized 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: EL M
Esteban Masuda

Date: August 9, 2011

State of California)
County of San Mateo) SS.

On August 09, 2011 before me, Teresa Marie Lasaga,
personally appeared 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 [Signature]

