

## PATENT ASSIGNMENT

Electronic Version v1.1  
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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>Matthew Duncton</td> <td>07/16/2013</td> </tr> <tr> <td>Martin D. Burke</td> <td>08/14/2013</td> </tr> </tbody> </table>		Name	Execution Date	Matthew Duncton	07/16/2013	Martin D. Burke	08/14/2013
Name	Execution Date						
Matthew Duncton	07/16/2013						
Martin D. Burke	08/14/2013						
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							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13912000</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13912000		
Property Type	Number						
Application Number:	13912000						
CORRESPONDENCE DATA							
Fax Number:	6503273231						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	(650)327-3400						
Email:	lynn@bozpat.com						
Correspondent Name:	Bozicevic, Field & Francis LLP						
Address Line 1:	1900 University Ave						
Address Line 2:	Suite 200						
Address Line 4:	East Palo Alto, CALIFORNIA 94303						
ATTORNEY DOCKET NUMBER:	RIGL-074						
NAME OF SUBMITTER:	Rudy J. Ng						
Signature:	/Rudy J. Ng, Reg. No. 56741/						
Date:	09/04/2013						

OP \$40.00 13912000

**Total Attachments: 4**

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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:

### Cyclopropyl PIDA Boronate

(Atty. Docket No. (RIGL-074/ P.0281.03.US.UT), (check one)

- for which I have executed a U.S. patent application on even date herewith. (Accompanying)  
 which bears U.S. Provisional Application No. 13/912,000, Filed on June 6, 2013. (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., 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: M. Dunton  
Matthew Dunton

Date: 07-16-13

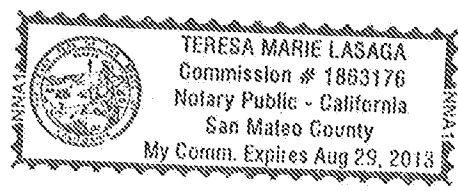
State of California )  
County of San Mateo ) ss.

On July 17, 2013 before me, Teresa Marie Lasaga,  
personally appeared Matthew Dunton, 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]



2. Inventor Signature: \_\_\_\_\_  
Martin D. Burke

Date: \_\_\_\_\_

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

On \_\_\_\_\_ before me, \_\_\_\_\_,  
personally appeared Martin D. Burke, 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  
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- 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: \_\_\_\_\_ Date: \_\_\_\_\_  
Matthew Duncton

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

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

2. Inventor Signature: \_\_\_\_\_ Date: 8/14/13  
Martin D. Burke

State of California Illinois )  
 )  
County of Champaign ) ss.

On 8/14/2013 before me, Becky F. Duffield,  
personally appeared Martin D. Burke, 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 Becky F. Duffield

