

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>Esteban Masuda</td> <td>08/30/2010</td> </tr> <tr> <td>Jochen Schmitz</td> <td>09/07/2010</td> </tr> </tbody> </table>		Name	Execution Date	Esteban Masuda	08/30/2010	Jochen Schmitz	09/07/2010
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Esteban Masuda	08/30/2010						
Jochen Schmitz	09/07/2010						
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							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12867928</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12867928		
Property Type	Number						
Application Number:	12867928						
CORRESPONDENCE DATA							
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
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ATTORNEY DOCKET NUMBER:	09-561-WO-US						
NAME OF SUBMITTER:	Michael S. Greenfield						
Total Attachments: 2 source=09-561-WO-US - Assignment#page1.tif source=09-561-WO-US - Assignment#page2.tif							

CH \$40.00 12867928

ASSIGNMENT

Case No.: 09-561-WO-US

Application Serial No. 12/867,928

Inventors: Esteban Masuda et al

Filing Date: August 17, 2010

In consideration of One Dollar (\$1.00) and other good and valuable considerations in hand paid, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assign to:

**Rigel Pharmaceuticals, Inc.
1180 Veterans Boulevard
South San Francisco, California 94080
United States of America**

its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, entitled:

USE OF 2,4-PYRIMIDINEDIAMINES FOR THE TREATMENT OF ATHEROSCLEROSIS

and identified as:

Case No. 09-561-WO-US

in the offices of MCDONNELL BOEHNEN HULBERT & BERGHOFF LLP and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension of such patents, and further assigns to said assignee the priority right provided by the International Convention.

The undersigned hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned hereby authorize and request the attorneys of record in said application to insert in this assignment the filing date and serial number of said application when officially known, and the date of execution of the application.

The undersigned warrant themselves to be the owners of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrant that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

For said considerations the undersigned hereby agree, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations the undersigned authorize said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agree, upon the request of said assignee, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain, maintain and enforce said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the

assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

WITNESS my hand and seal this 30 day of August, 2010.

ELML
Esteban Masuda

State of California

County of San Mateo

The foregoing instrument was acknowledged before me this 30 day of August, 2010.

[Signature]

NOTARY PUBLIC



WITNESS my hand and seal this 07 day of September, 2010.

[Signature]
Jochen Sehmitz

State of California

County of San Mateo

The foregoing instrument was acknowledged before me this 07 day of September, 2010.

[Signature]

NOTARY PUBLIC

