

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>SOMASEKHAR BHAMIDIPATI</td> <td>09/15/2008</td> </tr> <tr> <td>RAJINDER SINGH</td> <td>09/15/2008</td> </tr> <tr> <td>VALENTINO J STELLA</td> <td>09/15/2008</td> </tr> <tr> <td>THOMAS SUN</td> <td>09/16/2008</td> </tr> </tbody> </table>		Name	Execution Date	SOMASEKHAR BHAMIDIPATI	09/15/2008	RAJINDER SINGH	09/15/2008	VALENTINO J STELLA	09/15/2008	THOMAS SUN	09/16/2008
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SOMASEKHAR BHAMIDIPATI	09/15/2008										
RAJINDER SINGH	09/15/2008										
VALENTINO J STELLA	09/15/2008										
THOMAS SUN	09/16/2008										
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" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11337049</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11337049						
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Application Number:	11337049										
CORRESPONDENCE DATA											
Fax Number:	(650)856-3710										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	650.856.3700										
Email:	SiliconValleyIPDocketing@foley.com										
Correspondent Name:	Lorna L. Tanner										
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Address Line 4:	Palo Alto, CALIFORNIA 94304-1013										
ATTORNEY DOCKET NUMBER:	064311-2101										
NAME OF SUBMITTER:	Lorna L. Tanner										
Total Attachments: 8											

OP \$40.00 11337049

500652981

**PATENT
 REEL: 021559 FRAME: 0877**

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ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

Rigel Pharmaceuticals, Inc.
1180 Veterans Boulevard
South San Francisco, California 94080

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to this invention relating to

Prodrugs of 2,4-Pyrimidinediamine Compounds and Their Uses

as set forth in this United States Patent Application

check one executed concurrently herewith,
 executed on _____,
 Serial No. 11/337,049, Filed 1/19/2006

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of **Foley & Lardner LLP** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of **Foley & Lardner LLP** do not personally represent ASSIGNOR OR ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

Executed this 15th day of September, 2008.

[Handwritten Signature]

SOMASEKHAR BHAMIDIPATI

State of California
County of San Mateo

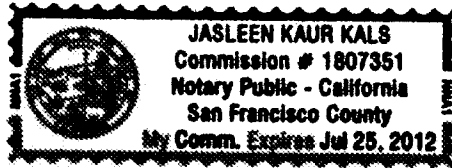
On this 15 day of September, 2008, before me, Jasleen Kaur Kals (a notary public in and for said county), personally appeared SOMASEKHAR BHAMIDIPATI, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person 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]*

My Commission Expires: July 25, 2012



(Seal)

Executed this 15 day of Sept, 2008.

[Handwritten Signature]

RAJINDER SINGH

State of California
County of San Mateo

On this 15 day of September, 2008, before me, Jasleen Kaur Kals (a notary public in and for said county), personally appeared RAJINDER SINGH, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person 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]*

My Commission Expires: July 25, 2012



(Seal)

Executed this _____ day of _____, 20__.

VALENTINO J. STELLA

State of _____)

County of _____)

On this _____ day of _____, 20__, before me, _____ (a notary public in and for said county), personally appeared VALENTINO J. STELLA, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person 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 _____

My Commission Expires: _____

(Seal)

Executed this 16 day of Sept., 2008.

[Handwritten Signature]

THOMAS SUN

State of California)

County of San Mateo)

On this 16 day of September, 2008, before me, Jennee Lalanne DeVore (a notary public in and for said county), personally appeared THOMAS SUN, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

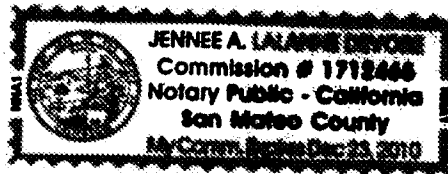
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature *[Handwritten Signature]*

My Commission Expires: Dec 23, 2010

(Seal)



ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

Rigel Pharmaceuticals, Inc.
1180 Veterans Boulevard
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as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

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Executed this ____ day of _____, 20__.

SOMASEKHAR BHAMIDIPATI

State of _____)

County of _____)

On this ____ day of _____, 20__, before me, _____ (a notary public in and for said county), personally appeared SOMASEKHAR BHAMIDIPATI, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person 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 _____

My Commission Expires: _____

(Seal)

Executed this ____ day of _____, 20__.

RAJINDER SINGH

State of _____)

County of _____)

On this ____ day of _____, 20__, before me, _____ (a notary public in and for said county), personally appeared RAJINDER SINGH, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person 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 _____

My Commission Expires: _____

(Seal)

Executed this 15 day of SEPTEMBER, 2008.

Valentino J. Stella

VALENTINO J. STELLA

State of KS)

County of USA DOUGLAS

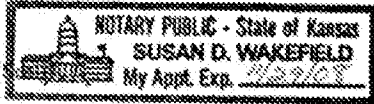
On this 15th day of September, 2008, before me, Valentino J. Stella (a notary public in and for said county), personally appeared VALENTINO J. STELLA, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person 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 Susan D. Wakefield

My Commission Expires: 11/29/08



Executed this _____ day of _____, 20____.

THOMAS SUN

State of _____)

County of _____)

On this _____ day of _____, 20____, before me, _____ (a notary public in and for said county), personally appeared THOMAS SUN, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person 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 _____

My Commission Expires: _____

(Seal)