

FORM PTO 1595  
(Rev. 6-93)  
OMB No. 0651-0011 (exp. 4/94)

REC'D



102532630

08-22-2003

Docket No. A-71853/AMP

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name(s) of conveying party(ies):

|                 |                                     |
|-----------------|-------------------------------------|
| Rajinder SINGH  | <u>Execution Date</u><br>03/04/2003 |
| Ankush ARGADE   | 03/04/2003                          |
| Donald PAYAN    | 03/04/2003                          |
| Susan MOLINEAUX | 03/28/2003                          |

Additional name(s) of conveying party(ies) attached? ☒ Yes ☐ No

3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date:

2. Name and address of receiving party(ies)

Name: Rigel Pharmaceuticals, Inc.

Internal Address:

Street Address: 1180 Veterans Blvd.

City: South San Francisco State: CA ZIP: 94080

Country: United States

Additional name(s) & address(es) attached ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s) 10/355,543

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Ann M. Caviani Pease

Internal Address: DORSEY & WHITNEY LLP

Street Address: Four Embarcadero Center, Ste. 3400

City: San Francisco State: CA ZIP 94111-4187

6. Total Number of applications and patents involved: 1

7. Total fee (37 CFR 3.41). . . . . x \$40. . . . . \$40.00

☒ Enclosed  
☐ Authorized to be charged to deposit account

8. Deposit Account number: 50-2319

(Attach duplicate copy of this page if paying by deposit account)

**DO NOT USE THIS SPACE**

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct, and any attached copy is a true copy of the original document.

Ann M. Caviani Pease (Reg. No. 42,067)

Name of Person Signing

Signature

Date

August 14, 2003

Total number of pages including cover sheet, attachments, and document: 9

Mail documents to be recorded with required cover sheet information to:

**Mail Stop Assignment Recordation Services**  
**Director of the United States Patent and Trademark Office**  
**P.O. Box 1450**  
**Alexandria, Virginia 22313-1450**

**PATENT**  
**REEL: 014421 FRAME: 0471**

Additional Name(s) of conveying party(ies):

|                        | <u>Execution Date</u> |
|------------------------|-----------------------|
| Sacha J. HOLLAND       | 03/04/2003            |
| Jeffrey CLOUGH         | 03/04/2003            |
| Holger KEIM            | 03/04/2003            |
| Somasekhar BHAMIDIPATI | 03/04/2003            |
| Catherine SYLVAIN      | 03/04/2003            |
| Hui LI                 | 03/04/2003            |
| Alexander B. ROSSI     | 03/13/2003            |

## ASSIGNMENT

WHEREAS, the undersigned, **Rajinder Singh**, a resident of **Belmont, California**, **Ankush Argade**, a resident of **Foster City, California**, **Donald Payan**, a resident of **Hillsborough, California**, **Susan Molineaux**, a resident of **San Mateo, California**, **Sacha J. Holland**, a resident of **San Francisco, California**, **Jeffrey Clough**, a resident of **Redwood City, California**, **Holger Keim**, a resident of **Menlo Park, California**, **Somasekhar Bhamidipati**, a resident of **Foster City, California**, **Catherine Sylvain**, a resident of **Burlingame, California**, **Hui Li**, a resident of **Millbrae, California** and **Alexander B. Rossi**, a resident of **San Francisco, California** (collectively hereinafter termed "Inventors"), have jointly invented certain new and useful improvements in **2,4-PYRIMIDINEDIAMINE COMPOUNDS AND THEIR USES**, for which invention we have executed a United States provisional patent application, having Serial No. 10/355,543, and filing date of January 31, 2003, and which invention is fully described in the specification pertaining to said application.

WHEREAS, **RIGEL PHARMACEUTICALS, INC.** (hereinafter termed "Assignee"), a body having a place of business at **1180 Veterans Boulevard, South San Francisco, California 94080**, is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee, the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a utility, division, substitution, or continuation of any of said applications; and (d) in and to each and every reissue or extension of any of said patents; and (e) all claims for damages by reason of past infringement of said patents, with the right to sue for and collect the same for its own use and enjoyment, and for use and enjoyment of its successors, assigns or other legal representatives.

2. Said Inventors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other


papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting utility, substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor in providing such cooperation shall be paid for by said Assignee.

3. The terms, covenants and conditions of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor, his respective heirs, legal representatives and assigns.

4. Said Inventors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument on the date below written.

Dated: 3/4, 2003

  
Rajinder Singh

State of California ]

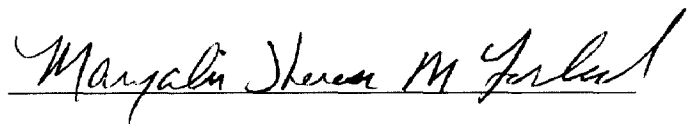
County of San Mateo ] SS.

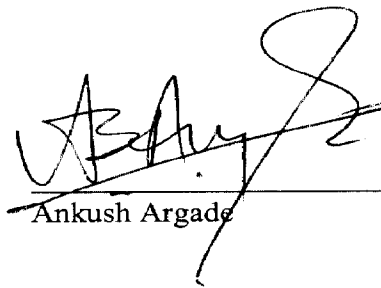
On 4 March, 2003, before me, Maryalice Theresa McFarland Notary Public, personally appeared Rajinder Singh, personally known to me (~~or proved to me on the basis of evidence~~) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in 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.

WITNESS my hand and official seal.

Notary Public





Dated: 03/04/03, 2003


Ankush Argade

State of California ]

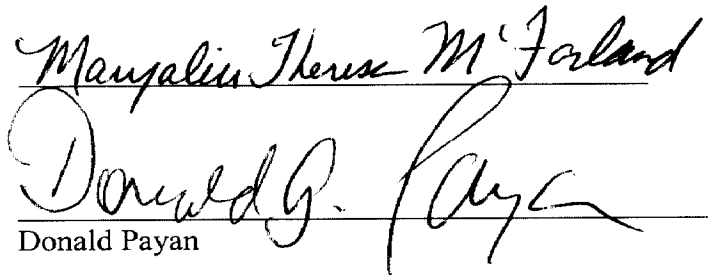
County of San Mateo ] SS.

On 3 March, 2003, before me, Maryalice T. McFarland, Notary Public, personally appeared Ankush Argade, personally known to me (~~or proved to me on the basis of 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.

WITNESS my hand and official seal.



Notary Public



Donald Payan

Dated: 3/4/03, 2003

State of California ]

County of San Mateo ] SS.

On 3 March, 2003, before me, Maryalice Theresa McFarland, Notary Public, personally appeared Donald Payan, personally known to me (~~or proved to me on the basis of 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.

WITNESS my hand and official seal.



Notary Public



Dated: 3/28, 2003

Susan Molineaux  
 Susan Molineaux

State of California ]

County of \_\_\_\_\_ ] SS.

On \_\_\_\_\_, 2003, before me, \_\_\_\_\_, Notary Public, personally appeared Susan Molineaux, personally known to me (or proved to me on the basis of 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.

WITNESS my hand and official seal.

Notary Public

Dated: 3/4, 2003

Sacha J. Holland  
 Sacha J. Holland

State of California ]

County of San Mateo ] SS.

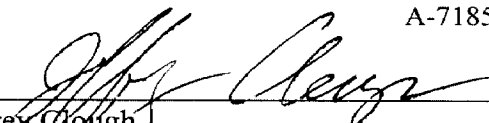
On March 4, 2003, before me, Maryalice Theresa McFarland, Notary Public, personally appeared Sacha J. Holland, personally known to me (~~or proved to me on the basis of evidence~~) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same 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.

WITNESS my hand and official seal.

Notary Public

Mary McFarland



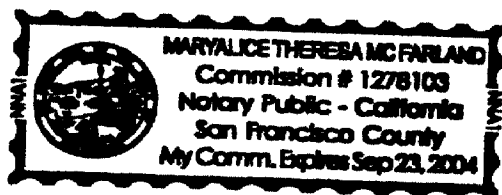
Dated: 3/4/3, 2003
  
 Jeffrey Clough

State of California ]

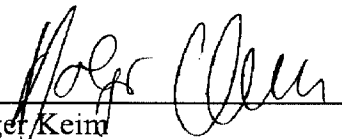
County of San Mateo ] SS.

On <sup>MM</sup>4 March, 2003, before me, Maryalice Theresa McFarland, Notary Public, personally appeared Jeffrey Clough, personally known to me (~~or proved to me on the basis of 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.

WITNESS my hand and official seal.



Notary Public


Dated: 03/04/03, 2003
  
 Holger Keim

State of California ]

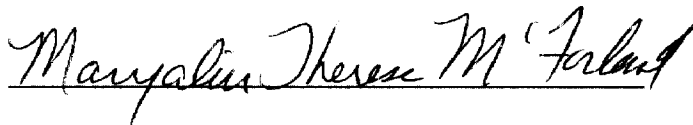
County of San Mateo ] SS.

On 4 March, 2003, before me, Maryalice Theresa McFarland, Notary Public, personally appeared Holger Keim, personally known to me (~~or proved to me on the basis of 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.

WITNESS my hand and official seal.



Notary Public



Dated: 03/04/03, 2003Somasekhar Bhamidipati  
Somasekhar Bhamidipati

State of California ]

County of San Mateo ] SS.

On 4 March, 2003, before me, Maryalice Theresa McFarland, Notary Public, personally appeared Somasekhar Bhamidipati, personally known to me (~~or proved to me on the basis of 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.

WITNESS my hand and official seal.



Notary Public

Maryalice Theresa McFarlandDated: March 4<sup>th</sup>, 2003Catherine Sylvain  
Catherine Sylvain

State of California ]

County of San Mateo ] SS.

On 4 March, 2003, before me, Maryalice Theresa McFarland, Notary Public, personally appeared Catherine Sylvain, personally known to me (~~or proved to me on the basis of 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.

WITNESS my hand and official seal.



Notary Public

Maryalice Theresa McFarland



Dated: March 4<sup>th</sup>, 2003

Hui Li  
Hui Li

State of California ]

County of San Mateo ] SS.

On 4 March, 2003, before me, Maryalice Theresa McFarland, Notary Public, personally appeared Hui Li, personally known to me (~~or proved to me on the basis of 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.

WITNESS my hand and official seal.



Notary Public

Maryalice Theresa McFarland

Dated: \_\_\_\_\_, 2003

Alexander B. Rossi  
Alexander B. Rossi

State of California ]

County of \_\_\_\_\_ ] SS.

On \_\_\_\_\_, 2003, before me, \_\_\_\_\_, Notary Public, personally appeared Alexander B. Rossi, personally known to me (or proved to me on the basis of 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.

WITNESS my hand and official seal.

Notary Public

\_\_\_\_\_

Dated: \_\_\_\_\_, 2003

Hui Li

State of California ]

County of \_\_\_\_\_] SS.

On \_\_\_\_\_, 2003, before me, \_\_\_\_\_, Notary Public, personally appeared Hui Li, personally known to me (or proved to me on the basis of 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.

WITNESS my hand and official seal.

Notary Public

2/13/03 <sup>ARR</sup>  
Dated: March 13, 2003

Alexander B. Rossi  
Alexander B. Rossi

State of California ]

County of San Mateo] SS.

On March 13, 2003, before me, Maryalice Theress McFarland Notary Public, personally appeared Alexander B. Rossi, personally known to me (or proved to me on the basis of 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.

WITNESS my hand and official seal.

Notary Public



Maryalice Theress McFarland