

04-17-2003

Form PTO-1595

(Rev. 03/01)

OMB No. 0651-0027 (exp. 5/31/2002)

RECORD

DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

102422113

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

1. Name of conveying party(ies):

Joseph Fisher (10/05/1999), James Lorens
(09/30/1999), David Anderson (09/29/1999), Ying Luo
(09/29/1999), Chao Bai (Betty) Huang (09/30/1999),
and Mary Shen (09/30/1999)Additional name(s) of conveying party(ies)
attached?☐ Yes☒ No

3. Nature of Conveyance:

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

Execution Date: see Box 1, conveying parties

2. Name and address of receiving party(ies)

Name: RIGEL PHARMACEUTICALS, INC.

Internal Address:

Street Address:

1180 Veterans Boulevard

City: South San Francisco

State: CA

Zip: 94080

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 new application is:

A. Patent Application No.(s):

09/255920

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom correspondence
concerning document should be mailed:Name: DeAnn F. Smith
LAHIVE & COCKFIELD, LLP

Internal Address: Atty. Dkt.: RGV-004RCE

Street Address:
28 State StreetCity:
Boston

State: MA Zip: 02109

6. Total number of applications and
patents involved:

1

7. Total fee (37 CFR 3.41)

\$ 40.00

☐ Enclosed☒ Authorized to be charged to deposit account☐ Authorized to be charged to credit card

(Form 2038 enclosed)

8. Deposit account number:

12-0080

(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.

Megan E. Williams - 43,270

Name of Person Signing

Signature

April 8, 2003

Date

Total number of pages including cover sheet, attachments, and documents: 6

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: Box Assignment, Director - U.S. Patents and Trademarks, Washington, DC 20231, on the date shown below.

Dated: April 8, 2003

Signature: (Megan E. Williams)

04/16/2003 ECDP 00000222 120080 09255920

01 FC:0021

40.00 CH

PATENT
REEL: 013953 FRAME: 0448

ASSIGNMENT

WHEREAS, the undersigned,

(1) <u>Joseph Fisher</u>	,	(2) <u>James Lorens</u>	,
(3) <u>David Anderson</u>	,	(4) <u>Ying Luo</u>	,
(5) <u>Chao Bai (Betty) Huang</u>	,	(6) <u>Mary Shen</u>	,

(hereinafter termed "Inventors"), residents of

(1) <u>San Carlos</u>	,	(2) <u>Portola Valley</u>	,
(3) <u>San Bruno</u>	,	(4) <u>Los Altos</u>	,
(5) <u>San Leandro</u>	,	(6) <u>Newark</u>	,

respectively, Counties of

(1) <u>San Mateo</u>	,	(2) <u>San Mateo</u>	,
(3) <u>San Mateo</u>	,	(4) <u>Santa Clara</u>	,
(5) <u>Alameda</u>	,	(6) <u>Alameda</u>	,

respectively, States of

(1) <u>California</u>	,	(2) <u>California</u>	,
(3) <u>California</u>	,	(4) <u>California</u>	,
(5) <u>California</u>	,	(6) <u>California</u>	,

respectively, have invented certain new and useful improvements in

EXO1 AND EXO2, EXOCYTOTIC PROTEINS

for which an application for a United States Patent was filed on February 23, 1999 ,
having Application Number 09/255,920 .
and

WHEREAS,

Rigel Pharmaceuticals, Inc. a corporation of the State of California
having a place of business at 240 East Grand Avenut, South San Francisco, CA 94080
(hereinafter termed "Assignee"), 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 Inventors 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 division, substitution, or continuation of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.

2. Said Inventors hereby jointly and severally 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 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 Inventors in providing such cooperation shall be paid for by said Assignee.

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

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

IN WITNESS WHEREOF, the said Inventors have executed and delivered this instrument to said Assignee this

- (1)_____ day of _____, 19____,
- (2)_____ day of _____, 19____,
- (3)_____ day of _____, 19____,
- (4)_____ day of _____, 19____,
- (5)_____ day of _____, 19____,
- (6)_____ day of _____, 19____,

respectively.

(1) Joseph Fisher
Joseph Fisher

County of San Mateo)
) s
State of California)
) s.

On this 5th day of October, in the year 1999, before me,
LAURIE ABERS, Notary Public of the State of California,
personally appeared (1) Joseph Fisher, personally known to me (or proved to me on the basis of
satisfactory evidence) to be the person whose name is subscribed to the within instrument, and
acknowledged that he/she executed the same in his/her authorized capacity(ies), 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.

Signature [Signature]



(seal).

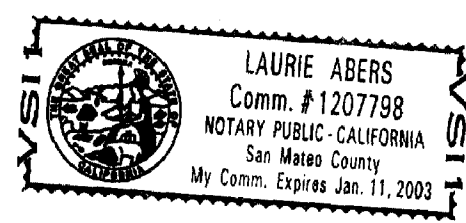
(2) James Lorens
James Lorens

County of SAN MATEO)
) s
State of CALIFORNIA)
) s.

On this 30th day of SEPTEMBER, in the year _____, before me,
LAURIE ABERS, Notary Public of the State of California,
personally appeared (2) James Lorens, personally known to me (or proved to me on the
basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument,
and acknowledged that he/she executed the same in his/her authorized capacity(ies), 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.

Signature [Signature]



(seal).

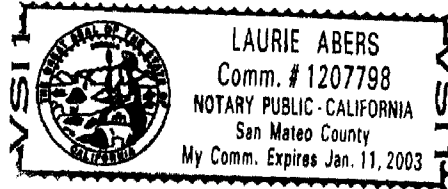
(3) Dave Anderson
David Anderson

County of SAN MATEO)
State of CALIFORNIA) ss.

On this 29 day of September, in the year 1999, before me,
LAURIE ABERS, Notary Public of the State of California,
personally appeared (3) David Anderson, personally known to me (or proved to me
on the basis of satisfactory evidence) to be the person whose name is subscribed to the within
instrument, and acknowledged that he/she executed the same in his/her authorized capacity(ies),
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.

Signature Laurie Abers



(seal).

(4) Ying Luo
Ying Luo

County of SAN MATEO)
State of CALIFORNIA) ss.

On this 29 day of SEPT, in the year 1999, before me,
LAURIE ABERS, Notary Public of the State of California,
personally appeared (4) Ying Luo, personally known to me (or proved to me on the basis of
satisfactory evidence) to be the person whose name is subscribed to the within instrument, and
acknowledged that he/she executed the same in his/her authorized capacity(ies), 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.

Signature Laurie Abers



(seal).

(5) Betty - Chao Bai Huang
Chao Bai (Betty) Huang

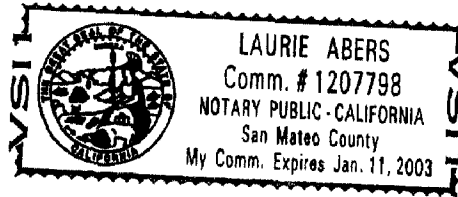
County of SAN MATEO

State of CALIFORNIA

On this 30th day of SEPTEMBER, in the year _____, before me,
LAURIE ABERS, Notary Public of the State of California,
personally appeared (5) Chao Bai (Betty) Huang, personally known to me (or proved to me
on the basis of satisfactory evidence) to be the person whose name is subscribed to the within
instrument, and acknowledged that he/she executed the same in his/her authorized capacity(ies), 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.

Signature



(seal).

(6) Mary Shen

Mary Shen

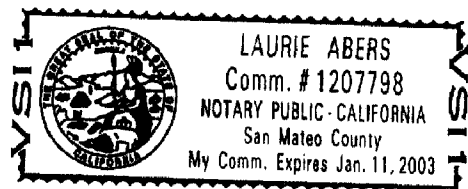
County of SAN MATEO

State of CALIFORNIA

On this 30th day of September, in the year _____, before me,
LAURIE ABERS, Notary Public of the State of California,
personally appeared (6) Mary Shen, personally known to me (or proved to me on the basis of
satisfactory evidence) to be the person whose name is subscribed to the within instrument, and
acknowledged that he/she executed the same in his/her authorized capacity(ies), 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.

Signature



(seal).