

03-15-2004

Case No. IN01405K

Form PTO-1595

(Rev. 10/02)

OMB No. 0651-0027 (exp. 6/30/2005)

Tab settings ⇨ ⇨ ⇨ ▼ ▼ ▼ ▼ ▼ ▼ ▼



102694049

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

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

1. Name of conveying party(ies): 3.11.04
 Richard J. Friary
 Joseph A. Kozlowski
 Bandarpalle B. Shankar
 Additional name(s) of conveying party(ies) attached? ☒ Yes ☐ No

3. Nature of conveyance:
☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: November 6, 7, & 8, 2002

2. Name and address of receiving party(ies)
 Name: Schering Corporation
 Internal Address: 2000 Galloping Hill Road
Kenilworth, New Jersey 07033

Street Address: Same as above.

City: _____ State: _____ Zip: _____

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)

10/292,778

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Palaiyur S. KalyanaramanInternal Address: Schering-Plough CorporationPatent Dept. K-6-1, 1990Street Address: 2000 Galloping Hill RoadCity: Kenilworth State: NJ Zip: 07033-05306. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41).....\$ 40.00☐ Enclosed☒ Authorized to be charged to deposit account

8. Deposit account number:

19-0365Schering-Plough Corporation

(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.*Palaiyur S. Kalyanaraman, Reg. No. 34,634

Name of Person Signing

SignatureMarch 8, 2004

Date

Total number of pages including cover sheet, attachments, and documents: 12

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

Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

03/12/2004 ECOOPER 00000030 190365 10292778

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40.00 BA

PATENT
REEL: 015055 FRAME: 0562

FORM PTO-1619C
Expires 06/30/99
OMB 0651-0027

RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY

U.S. Department of Commerce
Patent and Trademark Office
PATENT

Conveying Party(ies)



Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) Michael K.C. Wong

Execution Date
Month Day Year
11 07 02

Name (line 2)

Execution Date
Month Day Year
11 08 02

Name (line 1) Guowei Zhou

Execution Date
Month Day Year
11 06 02

Name (line 2)

Name (line 1) Brian J. Lavey

Execution Date
Month Day Year
11 06 02

Name (line 2)

Receiving Party(ies)



Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)



If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Name (line 1)



If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Application Number(s) or Patent Number(s)



Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

10/292,778

Patent Number(s)

PATENT

REEL: 015055 FRAME: 0563

FORM PTO-1619C
Expires 06/30/99
OMB 0651-0027

RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY

U.S. Department of Commerce
Patent and Trademark Office
PATENT

Conveying Party(ies)



Mark If additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) Neng-Yang Shih

Execution Date
Month Day Year
11 08 02

Name (line 2)

Execution Date
Month Day Year
11 07 02

Name (line 1) Ling Tong

Execution Date
Month Day Year
11 07 02

Name (line 2)

Execution Date
Month Day Year
11 07 02

Name (line 1) Lei Chen

Execution Date
Month Day Year
11 07 02

Name (line 2)

Receiving Party(ies)



Mark If additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)



If document to be recorded
is an assignment and the
receiving party is not
domiciled in the United
States, an appointment
of a domestic representative
is attached. (Designation
must be a separate
document from
Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

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State/Country

Zip Code

Name (line 1)



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Application Number(s) or Patent Number(s)



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Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

10/292,778

Patent Number(s)

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Expires 06/30/99
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RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY

U.S. Department of Commerce
Patent and Trademark Office
PATENT

Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) Youheng Shu

Execution Date
Month Day Year

11 07 02

Name (line 2)

Execution Date
Month Day Year

Name (line 1)

Name (line 2)

Execution Date
Month Day Year

Name (line 1)

Name (line 2)

Receiving Party(ies)

☐ Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

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Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

10/292,778

Patent Number(s)

(Joint)

PATENT CASE: IN01405K

ASSIGNMENT

For good and valuable consideration paid to us,

(1) Richard J. Friary, (2) Joseph A. Kozlowski, (3) Bandarpalle B. Shankar,
(4) Michael K.C. Wong, (5) Guowei Zhou, (6) Brian J. Lavey, (7) Neng-Yang Shih,
(8) Ling Tong, (9) Lei Chen and (10) Youheng Shu respectively residing at
(1) 391 Aspen Way, Florence, MT 59833 / USA, (2) 1066 Stuart Road, Princeton, NJ 08540 / USA,
(3) 1124 Van Arsdale Drive, Branchburg, NJ 08853 / USA, (4) 999 Hidden Lake Drive, # 3D, North
Brunswick, NJ 08902, (5) 436 South Livingston Avenue, Livingston, NJ 07039 / USA,
(6) 25 Hickory Place, Apt. H-10, Chatham, NJ 07928 / USA, (7) 1 Maple Drive, North Caldwell, NJ
07006 / USA, (8) 8 Hemlock Circle, Warren, NJ 07059 / USA, (9) 1392 Jerome St., Roselle
Park, NJ 07204 / USA and (10) 1758 Talbot Road, Blue Bell, PA 19422 / USA,

by **SCHERING CORPORATION**, a corporation organized under the laws of the State of New Jersey, United States of America, having its principal office at 2000 Galloping Hill Road, Kenilworth, New Jersey 07033, United States of America, (hereinafter called "**ASSIGNEE**"), we each do hereby sell, assign and transfer to said **ASSIGNEE** each of our entire right, title and interest in all countries of the world in and to any and all of our inventions and discoveries described in the patent application entitled

CANNABINOID RECEPTOR LIGANDS

and officially identified* by the United States Patent and Trademark Office as Application Number 10/292,778 filed on November 12 2002, and/or by the World Intellectual Property Organization as International Patent Application Number PCT/02/36185 filed on November 12, 2002, in and to the right to file patent applications in the name of **ASSIGNEE**, its designee, or in any or all of our names, at its election, on the aforesaid inventions and discoveries in all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified patent application under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models and under any other international arrangement to which the United States now is or hereafter becomes a signatory, in and to any and all Letters Patent that issue on any of the aforesaid patent applications, in and to any applications claiming priority benefits to a provisional patent application or other applications filed on said inventions, and in and to any continuations, divisions, reissues, renewals and extensions thereof of any of said Letters Patent, the same to be held and enjoyed by said **ASSIGNEE**, its successors, assigns and other legal representatives, to the full ends of the terms for which a Letters Patent therefor may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

And we hereby covenant and agree that we will at any time, upon the request and at the expense of **ASSIGNEE**, execute and deliver any and all documents that may be necessary or desirable to perfect the

title to the foregoing inventions and discoveries, patent applications, and Letters Patent and continuations, divisions, reissues, renewals and extensions thereof in **ASSIGNEE**, its successors, assigns or other legal representatives, including the execution and procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of any country concerned, and that we will, at any time, upon the request and at the expense of **ASSIGNEE**, execute any additional or divisional applications for patents for said inventions and discoveries, or any part or parts thereof, and applications for patents of confirmation, registration and importation based on said Letters Patent and on Letters Patent issuing from said additional or divisional applications and reissues, renewals and extensions therefor, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein, without further compensation, but at the expense of **ASSIGNEE**, its successors, assigns or other legal representatives.

*We hereby authorize **ASSIGNEE** to insert in this instrument the Application Number and the filing date of said application for Letters Patent when officially notified thereof.

Executed this 8th day of November, 2002.

Richard J. Friary L.S.
RICHARD J. FRIARY

ACKNOWLEDGEMENT

State of Montana)
County of Missoula) s.s.:

On this 8th day of November, 2002, personally appeared before me RICHARD J. FRIARY to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

[Signature]
Notary Public

NOTARY PUBLIC for the State of Montana
Residing at Missoula, Montana
My Commission Expires March 14, 2006

Executed this 6th day of November, 2002.

Joseph A. Kozlowski L.S.
JOSEPH A. KOZLOWSKI

ACKNOWLEDGEMENT

State of New Jersey)
County of Union) s.s.:

On this 6th day of November, 2002, personally appeared before me
JOSEPH A KOZLOWSKI to me known, and known by me to be the same person
described in and who executed the foregoing instrument, and acknowledged that he (she) executed the
same, of his (her) own free will for the purpose set forth.

(Seal)

Charris D. Alexander
Notary Public

CHARRIS D. ALEXANDER
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Aug. 8, 2006

Executed this 7 day of November, 2002.

B. B. Shankar L.S.
BANDARPALLE B. SHANKAR

ACKNOWLEDGEMENT

State of New Jersey)
County of Union) s.s.:

On this 7th day of November, 2002, personally appeared before me
BANDARPALLE B. SHANKAR to me known, and known by me to be the same person
described in and who executed the foregoing instrument, and acknowledged that he (she) executed the
same, of his (her) own free will for the purpose set forth.

(Seal)

Charris D. Alexander
Notary Public

CHARRIS D. ALEXANDER
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Aug. 8, 2006

Executed this 7th day of November, 2002.

 L.S.

MICHAEL K. C. WONG

ACKNOWLEDGEMENT

State of New Jersey)
County of Union) s.s.:

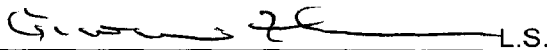
On this 7th day of November, 2002, personally appeared before me
MICHAEL K. C. WONG to me known, and known by me to be the same person described in and
who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own
free will for the purpose set forth.

(Seal)


Notary Public

CHARRIS D. ALEXANDER
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Aug. 8, 2006

Executed this 8 day of Nov, 2002.

 L.S.

GUOWEI ZHOU

ACKNOWLEDGEMENT

State of New Jersey)
County of Union) s.s.:

On this 8th day of November, 2002, personally appeared before me
GUOWEI ZHOU to me known, and known by me to be the same person described in and who
executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free
will for the purpose set forth.

(Seal)


Notary Public

CHARRIS D. ALEXANDER
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Aug. 8, 2006

Executed this 6th day of November, 2002.

Brian J. Lavey L.S.
BRIAN J. LAVEY

ACKNOWLEDGEMENT

State of New Jersey)
County of Union) s.s.:

On this 6th day of November, 2002, personally appeared before me
BRIAN J. LAVEY to me known, and known by me to be the same person described in and who
executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free
will for the purpose set forth.

(Seal)

Charis D. Alexander
Notary Public

CHARRIS D. ALEXANDER
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Aug. 8, 2006

Executed this 8 day of November, 2002.

Neng-Yang Shih L.S.
NENG-YANG SHIH

ACKNOWLEDGEMENT

State of New Jersey)
County of Union) s.s.:

On this 8th day of November, 2002, personally appeared before me
NENG-YANG SHIH to me known, and known by me to be the same person described in and
who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own
free will for the purpose set forth.

(Seal)

Charis D. Alexander
Notary Public

CHARRIS D. ALEXANDER
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Aug. 8, 2006

Executed this 7th day of Nov., 2002.

LING TONG L.S.**ACKNOWLEDGEMENT**State of New Jersey)
County of Union) s.s.:


On this 7th day of November, 2002, personally appeared before me
LING TONG to me known, and known by me to be the same person described in and who
executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free
will for the purpose set forth.

(Seal)



Notary Public

CHARRIS D. ALEXANDER
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Aug. 8, 2006

Executed this 7th day of Nov., 2002.

LEI CHEN L.S.**ACKNOWLEDGEMENT**State of New Jersey)
County of Union) s.s.:

On this 7th day of November, 2002, personally appeared before me
LEI CHEN to me known, and known by me to be the same person described in and who
executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free
will for the purpose set forth.

(Seal)



Notary Public

CHARRIS D. ALEXANDER
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Aug. 8, 2006

Executed this 7th day of November, 2002.

 L.S.
YOUHENG SHU

ACKNOWLEDGEMENT

State of New Jersey)
County of Union) s.s.:

On this 7th day of November, 2002, personally appeared before me
YOUHENG SHU to me known, and known by me to be the same person described in and who
executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free
will for the purpose set forth.

(Seal)


Notary Public

CHARRIS D. ALEXANDER
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Aug. 8, 2006

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