

By Telefacsimile: 571-273-0140

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Attorney Docket Number
10624-182-999
CAM: 700755-999182

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1. Name of conveying party(ies): Deborah Sue Mortensen; Maria Mercedes Delgado Mederos; John Joseph Sapienza; Ronald J. Albers; Steven Spencer Claren; Kimberly Lyn Schwarz; Jason Simon Parnes; Jennifer R. Riggs; Patrick William Papa; Sayee Gajanan Hegde

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

2. Name and address of receiving party(ies):

Name: Signal Pharmaceuticals, LLC

Address: 4550 Towne Centre Court
San Diego, California

Country (if other than USA):

Zip Code: 92121

3. Nature of conveyance:

☒ Assignment

Merger

Security Agreement

Change of Name

Joint Research Agreement

Government Interest Assignment

Executive Order 9424, Confirmatory License

Other

Execution Date: June 11, 2008, July 22, 2008, June 12, 2008, July 22, 2008, August 9, 2008, July 22, 2008, July 22, 2008, July 22, 2008, July 29, 2008, June 11, 2008, respectively

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) 11/975,657

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

JONES DAY
222 East 41st Street
New York, New York 10017-6702

6. Number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.....\$40.00
Please charge to the deposit account listed in Section 8.

8. Deposit account number:

50-3013

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.

Anthony M. Insogna

Name of Person Signing

35,203

Reg. No.

Anthony M. Insogna, Reg. No. 35,203

By: M. J. D. Brown, Reg. No. 47,458

Signature

August 28, 2008

Date

Total number of pages including cover sheet: 5

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

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JOINT

ASSIGNMENT

WHEREAS, WE, **DEBORAH SUE MORTENSEN**, a citizen of the United States, residing at 4001 Datcho Drive, San Diego, CA 92117; **MARIA MERCEDES DELGADO MEDEROS**, a citizen of Spain, residing at 7842 Embry Point, San Diego, CA 92126; **JOHN JOSEPH SAPIENZA**, a citizen of the United States, residing at 1654 Ridge Rock Court, Chula Vista, CA 91913; **RONALD J. ALBERS**, a citizen of the United States, residing at 6559 Comly Street, San Diego, CA 92111; **STEVEN SPENCER CLAREEN**, a citizen of the United States, residing at 3989 Richmond Street Apartment 102, San Diego, CA 92103; **KIMBERLY LYN SCHWARZ**, a citizen of the United States, residing at 4507 Chateau Dr., San Diego, CA 92117; **JASON SIMON PARNES**, a citizen of the United States, residing at 12511 El Camino Real C, San Diego, CA 92130; **JENNIFER R. RIGGS**, a citizen of the United States, residing at 2136 Wales Drive, Cardiff, CA 92007; **PATRICK WILLIAM PAPA**, a citizen of the United States, residing at 2780 Flower Fields Way, San Diego, CA 92010; **SAYEE GAJANAN HEGDE**, a citizen of the United States, residing at 3715 Nobel Drive, #1215, San Diego, CA 92122; and **JEFFREY MARK MCKENNA**, a citizen of the United Kingdom, residing at 5673 Carnegie Street, San Diego, CA 92122; ASSIGNORS, are inventors of the invention in **HETEROARYL COMPOUNDS, COMPOSITIONS THEREOF, AND METHODS OF TREATMENT THEREWITH**, for which we have executed an application for a Patent of the United States

- ☐ which is executed on ☐ even date herewith or ☐
☒ which is identified by Jones Day docket no. 10624-182-999
☒ which was filed on October 18, 2007, Application No. 11/975,657
☐ We hereby authorize and request attorney(s), , at Jones Day, . to insert here in parentheses (Application number, _____ filed _____) the filing date and application number of said application when known.

and WHEREAS, **SIGNAL PHARMACEUTICALS, LLC.**, ASSIGNEE is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner for Patents and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date: 6-11, 2008

Deborah S. Mortensen (L.S.)
DEBORAH S. MORTENSEN

Date: 7-22, 2008

Maria Mercedes Delgado Mederos (L.S.)
MARIA MERCEDES DELGADO MEDEROS

Date: 6-12, 2008

John Joseph Sapienza (L.S.)
JOHN JOSEPH SAPIENZA

Date: 7/22, 2008

Ronald J. Albers (L.S.)
RONALD J. ALBERS

Date: 8/4/08, 2008

Steven Spencer Clareen (L.S.)
STEVEN SPENCER CLAREEN

Date: 7/22, 2008

Kimberly Lyn Schwarz (L.S.)
KIMBERLY LYN SCHWARZ

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PATENT
REEL: 021455 FRAME: 0668

Date: 7/22, 2008Jason Simon Barnes (L.S.)
JASON SIMON BARNESDate: 7/22, 2008Jennifer R. Riggs (L.S.)
JENNIFER R. RIGGSDate: 7/27, 2008Patrick William Papa (L.S.)
PATRICK WILLIAM PAPADate: 6/11, 2008Sayee Gajanan Hegde (L.S.)
SAYEE GAJANAN HEGDE

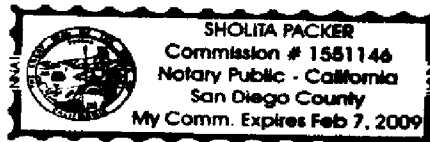
Date: _____, 2008

JEFFREY MARK MCKENNA (L.S.)

State of CALIFORNIA
County of SAN DIEGO) SS.:
On JUNE 11, 2008, before me, SHOLITA PACKERSHOLITA PACKER, Notary Public, personally appeared DEBORAH S. MORTENSEN, on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

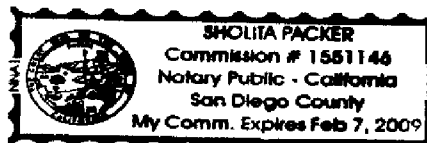
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal

Signature Sholita PackerState of CALIFORNIA)
County of SAN DIEGO) SS.:
On JULY 22, 2008, before me, SHOLITA PACKERSHOLITA PACKER, Notary Public, personally appeared MARIA MERCEDES DELGADO MEDEROS, on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

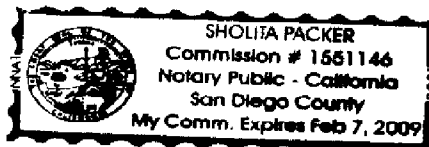
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal

Signature Sholita PackerState of CALIFORNIA)
County of SAN DIEGO) SS.:
On JUNE 12, 2008, before me, SHOLITA PACKERSHOLITA PACKER, Notary Public, personally appeared JOHN JOSEPH SAPIENZA, on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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 Sholita PackerState of _____)
County of _____) SS.:
+
+
+

(Page 2 of 4)

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State of CALIFORNIA)
 County of SAN DIEGO) SS.:

On JULY 22, 2008, before me, SHOLITA PACKER, Notary Public, personally appeared RONALD J. ALBERS, on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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 Sholita Packer



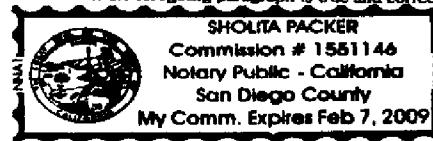
State of CALIFORNIA)
 County of SAN DIEGO) SS.:

On AUGUST, 2008, before me, SHOLITA PACKER, Notary Public, personally appeared, STEVEN SPENCER CLAREEN, on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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 Sholita Packer



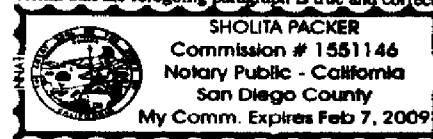
State of CALIFORNIA)
 County of SAN DIEGO) SS.:

On JULY 22, 2008, before me, SHOLITA PACKER, Notary Public, personally appeared KIMBERLY LYN SCHWARZ, on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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 Sholita Packer



State of CALIFORNIA)
 County of SAN DIEGO) SS.:

On JULY 22, 2008, before me, SHOLITA PACKER, Notary Public, personally appeared JASON SIMON PARNES, on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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 Sholita Packer

State of CALIFORNIA)
County of SAN DIEGO) SS.:

On JULY 22, 2008, before me, SHOLITA PACKER, Notary Public, personally appeared JENNIFER R. RIGGS on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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 Sholita Packer

State of CALIFORNIA)
County of SAN DIEGO) SS.:

On JULY 27, 2008, before me, SHOLITA PACKER, Notary Public, personally appeared PATRICK WILLIAM PAPA, on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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 Sholita Packer

State of CALIFORNIA)
County of SAN DIEGO) SS.:

On JUNE 11, 2008, before me, SHOLITA PACKER, Notary Public, personally appeared SAYEE GAJANAN HEGDE, on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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 Sholita Packer

State of)
County of) SS.:

On _____, 2008, before me, _____, Notary Public, personally appeared JEFFREY MARK MCKENNA, on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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 _____

(Page 4 of 4)

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