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PATENTS ONLY

By Telefacsimile: 571-273-0140
Attorney Docket Number
10624-182-999
CAM: 700755-999182

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Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Jeffrey Mark McKenna
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

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: November 23, 2010


Country (if other than USA): Zip Code: 92121
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

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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.
Michael J. Bruner 47,458  January 5, 2011
Name of Person Signing Reg. No. Signature Date

Total number of pages including cover sheet: 5

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CH \$40.00 503013 11975657

JOINT

ASSIGNMENT

WHEREAS, WE, **DEBORAH SUE MORTENSEN**, a citizen of the United States, residing at 4302 Lodi Court, San Diego, CA 92117; **MARIA MERCEDES DELGADO MEDEROS**, a citizen of Spain, residing at 78842 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 1206 E. Lancaster Avenue, Apt. 314, Downingtown, PA 19335; **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 10839 Vereda Sol Del Dios, 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 5320 Forecastle Court, Carlsbad, CA 92008; **SAYEE GAJANAN HEGDE**, a citizen of the United States, residing at 2420 Geranium Street, San Diego, CA 92109; and **JEFFREY MARK MCKENNA**, a citizen of the United Kingdom, residing at 2 North Lodge, Sedgwick Park, Horsham, West Sussex RH136QG; 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, having a place of business at 4550 Towne Centre Court, San Diego, California 92121, 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: _____, 2010 _____ (L.S.)
DEBORAH SUE MORTENSEN

Date: _____, 2010 _____ (L.S.)
MARIA MERCEDES DELGADO MEDEROS

Date: _____, 2010 _____ (L.S.)
JOHN JOSEPH SAPIENZA

Date: _____, 2010 _____ (L.S.)
RONALD J. ALBERS

Date: _____, 2010 _____ (L.S.)
STEVEN SPENCER CLAREEN

Date: _____, 2010 _____ (L.S.)
KIMBERLY LYN SCHWARZ

Date: _____, 2010 _____ (L.S.)

JASON SIMON PARNES

Date: _____, 2010 _____ (L.S.)

JENNIFER R. RIGGS

Date: _____, 2010 _____ (L.S.)

PATRICK WILLIAM PAPA

Date: _____, 2010 _____ (L.S.)

SAYEE GAJANAN HEGDE

Date: **28 NOV 10**, 2010 _____ (L.S.)

JEFFREY MARK MCKENNA

State of _____)
) SS.
County of _____)

On _____, 2010, before me, _____ Notary Public, personally appeared **DEBORAH SUE MORTENSEN**, 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 she executed the same in her authorized capacity, and that by 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

State of _____)
) SS.
County of _____)

On _____, 2010, before me, _____ Notary Public, personally appeared **MARIA MERCEDES DELGADO MEDEROS**, 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 she executed the same in her authorized capacity, and that by 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

State of _____)
) SS.
County of _____)

On _____, 2010, before me, _____ Notary Public, personally appeared **JOHN JOSEPH SAPIENZA**, 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 executed the same in his authorized capacity, and that by his 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

State of _____)
) SS.
County of _____)

On _____, 2010, before me, _____, Notary Public, personally appeared RONALD J. ALBERS, 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 executed the same in his authorized capacity, and that by his 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

State of _____)
) SS
 County of _____)

On _____, 2010, before me, _____, Notary Public, personally appeared STEVEN SPENCER CLARFN, 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 executed the same in his authorized capacity, and that by his 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

State of _____)
) SS
 County of _____)

On _____, 2010, before me, _____, Notary Public, personally appeared KIMBERLY LYNN SCHWARZ, 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 she executed the same in her authorized capacity, and that by 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

State of _____)
) SS
 County of _____)

On _____, 2010, before me, _____, Notary Public, personally appeared JASON SIMON PARNES, 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 executed the same in his authorized capacity, and that by his 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

State of _____)
) SS
 County of _____)

On _____, 2010, before me, _____, Notary Public, personally appeared JENNIFER R. RIGGS, 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 she executed the same in her authorized capacity, and that by 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

State of)
) SS
County of)

On _____, 2010, before me, _____ Notary Public, personally appeared PATRICK WILLIAM PAPA, 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 executed the same in his authorized capacity, and that by his 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.

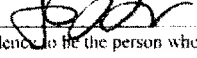
WITNESS my hand and official seal

State of)
) SS
County of)

On _____, 2010, before me, _____ Notary Public, personally appeared SAYEE GAJANAN BEGDE, 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 she executed the same in her authorized capacity, and that by 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

State of)
) SS
County of)

On 23rd Nov, 2010, before me,  Notary Public, personally appeared JEFFREY MARK MCKENNA, 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 executed the same in his authorized capacity, and that by his 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