504024372 09/27/2016

PATENT ASSIGNMENT COVER SHEET

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|--------------------|-------------|---|---------------------------------|
| NATURE OF CONVEY | ANCE: | ASSIGNMENT | |
| CONVEYING PARTY | / DATA | | |
| | | Name | Execution Date |
| NATALIYA BAZHINA | | | 10/19/2009 |
| GEORGE JOSEPH D | ONATO III | | 11/03/2009 |
| STEVEN R. FABIAN | | | 10/23/2009 |
| JOHN LOKHNAUTH | | | 10/26/2009 |
| SREENIVASULU ME | GATI | | 10/26/2009 |
| CHARLES MELUCCI | | | 10/19/2009 |
| CHRISTIAN OFSLAG | €R | | 10/28/2009 |
| NIKETA PATEL | | | 10/19/2009 |
| GALEN RADEBAUGH | H | | 10/19/2009 |
| SYED M. SHAH | | | 10/19/2009 |
| JAN SZELIGA | | | 10/19/2009 |
| HUYI ZHANG | | | 10/22/2009 |
| TIANMIN ZHU | | | 10/19/2009 |
| RECEIVING PARTY | | H, LLC | |
| Street Address: | 5 GIRA | LDA FARMS | |
| City: | MADIS | ON | |
| State/Country: | NEW J | ERSEY | |
| Postal Code: | 07940 | | |
| PROPERTY NUMBE | RS Total: 1 | | |
| Property Typ | pe | Number | |
| Application Number | ·: | 15276347 | |
| | | | |
| | | (617)607 0000 | |
| Fax Number: | | (617)607-9200 • the e-mail address first; if that is | s unsuccessful, it will be sent |
| | if provided | l; if that is unsuccessful, it will be | |
| , | | (617) 449-6509 | |
| | | docket@mccarter.com | |
| • | | MCCARTER & ENGLISH, LLP 265 FRANKLIN STREET | |
| Address Line 1: | | | |

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| Address Line 4: BOS | TON, MASSACHUSETTS 02110 | | | |
|--|--------------------------|--|--|--|
| | | | | |
| ATTORNEY DOCKET NUMBER: | 119557-09907 | | | |
| NAME OF SUBMITTER: | ERIN M. DALY | | | |
| SIGNATURE: | /Erin M. Daly/ | | | |
| DATE SIGNED: | 09/27/2016 | | | |
| Total Attachments: 16 | | | | |
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Assignment of Invention

In consideration of the payment by ASSIGNEE to ASSIGNOR of good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR:

| (1) | Full Name of Inventor: Residence: Citizenship: | Nataliya Bazhina 7 Carol Lane, Tappan, NY 10983 US |
|-----|--|---|
| (2) | Full Name of Inventor: Residence: Citizenship: | George Joseph Donato, III 517 Michigan Avenue, Swarthmore, PA 19081 US |
| (3) | Full Name of Inventor: Residence; Citizenship: | Steven R. Fabian 15 Perlwinkle Drive, Barnegat, NJ 08005 US |
| (4) | Full Name of Inventor: Residence: Citizenship: | John Lokhnauth 14-11 Prospect Avenue, Fair Lawn, NJ 07410 US |
| (5) | Full Name of Inventor: Residence: Citizenship: | Sreenivasulu Megati 1 Hearth Court, New City, NY 10956 -INDIA- 4.5. 26-01-2009 SM |
| (6) | Full Name of Inventor: Residence: Citizenship: | Charles Melucci 37 Liberty Drive, Highland Mills, NY 10930 US |
| (7) | Full Name of Inventor: Residence: Citizenship: | Christian Ofslager 4 Rockwood Drive, Newburgh, NY 12550 US |
| (8) | Full Name of Inventor: Residence: Citizenship: | Niketa Patel 47 Windsor Drive, Lincoln Park, NJ 07035 US |
| | | |

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Assignment of Invention Non Provisional Application

| (9) | Full Name of Inventor: Residence: Citizenship: | Galen Radebaugh 41 South Road, Chester, NJ 07930 US |
|-------|--|---|
| .(10) | Full Name of Inventor: Residence: Citizenship: | Syed M. Shah 1 Ora Court, East Hanover, NJ 07936 US |
| (11) | Full Name of Inventor: Residence: Citizenship: | Jan Szeliga 41 Irving Avenue, Croton on Hudson, NY 10520 US |
| (12) | Full Name of Inventor: Residence: Citizenship: | Huyi Zhang 8 Donaldson Lane, Gamerville, NY 10923 US |
| (13) | Full Name of Inventor: Residence: Citizenship: | Tianmin Zhu 5 Whilman Place, Monroe, NY 10950 US |

hereby sells, assigns and transfers to ASSIGNEE:

WYETH a corporation whose principal registered address is: Five Giralda Farms Madison, New Jersey 07940

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions and in all foreign countries, including all rights to claim priority, in and to the invention entitled:

PERIPHERAL OPIOID RECEPTOR ANTAGONISTS AND USES THEREOF

and invented by ASSIGNOR and the following additional inventors, if any:

and which is found in U.S. Non Provisional Application No. 12/570891 filed on: September 30, 2009

I/we the ASSIGNOR signing below, hereby authorize and request insertion above of the application number and filing date, when they become known,

[also check if foreign application(s) is(are) also being assigned]

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and any legal equivalent thereof in a foreign country,

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Assignment of Invention Non Provisional Application

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including the right to claim priority, including any and all improvements disclosed therein, and in and to all Letters Patent to be obtained for said invention by the above application or any subsequently filed provisional, nonprovisional, continuation, divisional, renewal, or substitute thereof, and as to Letters Patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR authorizes ASSIGNEE to make applications for and to receive Letters patent for said invention in any of said countries in its own name, or in ASSIGNOR's name, at its election.

ASSIGNOR covenants and agrees to execute or procure any further necessary assurance of the title to said invention and any Letters Patent which may issue therefore and to, at any time, upon the request and at the expense of ASSIGNEE deliver any testimony in any interference, litigation or proceeding related thereto and execute all papers that may be necessary or desirable to perfect the title to said invention or any Letters Patent which may be granted therefore in ASSIGNEE, its successors, assigns or other legal representatives, and that to, at any time, upon the request and at the expense of ASSIGNEE execute any continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to Letters Patent and reissue or re-examination thereof, or any other additional applications of Letters Patent for said invention or any part thereof, all of which applications and any Letters Patent issuing thereon are hereby assigned to ASSIGNEE, and will make all rightful oaths or declarations, and do all lawful acts requisite for procuring the same therein, without further compensation, but at the expense of ASSIGNEE, its successors, assigns or other legal representatives.

ASSIGNOR authorizes and requests the Commissioner of Patents to issue any and all Letters Patent of the United States for said invention, resulting from any of the aforesaid applications to its ASSIGNEE.

> Assignment of Invention Non Provisional Application

Page 3 of 16

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N. BAR Development

19 000 2009

Nataliya Bazhina

ACKNOWLEDGMENT

Date

State of

County of

On the 19³⁴ day of 2016 2009, Nataliya Bazhina personally appeared before me, 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 and for the purposes set forth.

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Notary Public

Page 4 of 16

Assignment of Invention Non Provisional Application

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George Joseph Donato, II

109

ACKNOWLEDGMENT

State of SS: County of

On the State day of NOU Con Sulla 2009, George Joseph Donato, III personally appeared before me, 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 and for the purposes set forth.

Konferna J. Killy Notary Public

COMMONWEALTH OF PENNSYLVANIA



Assignment of Invention Non Provisional Application

Page 5 of 16

Steven R. Fabian

23-007-2009

Date

ACKNOWLEDGMENT

State of SS: County of 1

On the J^T day of OMOBIL 2009, Steven R. Fabian personally appeared before me, 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 and for the purposes set forth.

IANA

CHRISTINAN PMEANA NOTARY PUBLIC OF NEW JERSEY My Commission Expires Feb. 22, 2010

Assignment of Invention Non Provisional Application PATENT REEL: 039868 FRAME: 0279

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Page 6 of 16

<u>I</u>TI John Lokhnauth

10/26/09 Date

ACKNOWLEDGMENT

ila) State of SS: County of 3

On the 26 to day of October 2009, John Lokhnauth personally appeared before me, 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 and for the purposes set forth.



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Assignment of Invention Non Provisional Application

Page 7 of 16

Spearwinnorthe Myork Sreenivasulu Megali

26-001-2009

ACKNOWLEDGMENT

Date

State of MEW YORK Rockers SS: County of F

On the 26 day of 2009, Sreenivasulu Megati personally appeared before me, 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 and for the purposes set forth.

JANICE A. WHITE Notary Public - State of New York No. 01-WH6052604 Qualified in Rockland County My Commission Expires 12-26-20 //2

Jenie J. State Notary Public

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Page 8 of 16

Assignment of Invention Non Provisional Application

Millinger

Charles Melucci

| 19 | Oct | 2009 | |
|------|-----|------|--|
| Date | | | |

ACKNOWLEDGMENT

SS:

State of

County of

On the 19 day of Octave 2009, Charles Melucci personally appeared before me, 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 and for the purposes set forth.



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Notary Public

Assignment of Invention Non Provisional Application

Page 9 of 16

Christian Ofslager

\$~~,200° Date

ACKNOWLEDGMENT

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E.M.M. State of

County of

On the 25th day of betaker 2009, Christian Ofslager personally appeared before me, 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 and for the purposes set forth.



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Notary Public

Page 10 of 16

Assignment of Invention Non Provisional Application

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|--------|-------|---------|-----|----|---------------------------|--|
| Niketa | Patel | | · 2 | V. | | |

19- Det-2009 Date

ACKNOWLEDGMENT

| State of | Yew Gerk | } |
|-----------|----------|----------|
| County of | Rocklond | SS: } |

On the 19 th day of Belocher 2009, Niketa Patel personally appeared before me, 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 and for the purposes set forth.



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Page 11 of 16

Assignment of Invention Non Provisional Application

2009

Zilau Galen Radebaugh

Date

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day of Defedere On the M 2009, Galen Radebaugh personally appeared before me, 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 and for the purposes set forth.



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Page 12 of 16

Jugd M. Glich

Oer. 19 2009

Date

ACKNOWLEDGMENT

| State | of | |
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County of

On the My day of October 2009, Syed M. Shah personally appeared before me, 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 and for the purposes set forth.



<u>Vew Jakk }</u>ss:

Ruse Jan D (Notary Public

Assignment of Invention Non Provisional Application

Page 13 of 16

Jan

Contraction of the second Date

ACKNOWLEDGMENT

State of SS: County of

On the / 7 day of Contact 2009, Jan Szeliga personally appeared before me, 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 and for the purposes set forth.

JANICE A. WHITE Notary Public - State of New York No. 01-WH6052604 Qualified in Rockland County My Commission Expires 12-26-20 //

Notary

Page 14 of 16

Assignment of Invention Non Provisional Application

łúvi Zhang

03 8CA 244 Date

ACKNOWLEDGMENT

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State of County of

On the 22 day of Detalle 2009, Huyi Zhang personally appeared before me, 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 and for the purposes set forth.

JANICE A. WHITE Notary Public - State of New York No. 01-WH6052604 Qualified in Rockland County My Commission Expires 12-26-20

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Tianmin Zhu

- in the miles in Date

ACKNOWLEDGMENT

a. State of SS: County of 3

On the 19th day of 2014 2009, Tianmin Zhu personally appeared before me, 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 and for the purposes set forth.



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Notary Public

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PATENT REEL: 039868 FRAME: 0289

RECORDED: 09/27/2016