502532296 10/15/2013

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2577602

| SUBMISSION TYPE: | NEW ASSIGNMENT | |
|-----------------------|----------------|--|
| NATURE OF CONVEYANCE: | ASSIGNMENT | |

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------|----------------|
| PETER BLACKBURN | 10/14/2013 |
| STEPHEN GRIMES | 10/14/2013 |

RECEIVING PARTY DATA

| Name: | MERCIA PHARMA, INC. |
|-----------------|---------------------|
| Street Address: | 426 W. 44TH STREET |
| City: | NEW YORK |
| State/Country: | NEW YORK |
| Postal Code: | 10036 |

PROPERTY NUMBERS Total: 1

| Property Type | Number | |
|---------------------|----------|--|
| Application Number: | 13057952 | |

CORRESPONDENCE DATA

 Fax Number:
 (973)912-5236

 Phone:
 9739125232

Email: hoxiepatentmail@hoxpat.com

Correspondence will be sent via US Mail when the email attempt is unsuccessful.

Correspondent Name: HOXIE & ASSOCIATES LLC

Address Line 1: 75 MAIN STREET
Address Line 2: SUITE 203

Address Line 4: MILLBURN, NEW JERSEY 07041

| ATTORNEY DOCKET NUMBER: | MP-05-US | |
|-------------------------|-------------------|--|
| NAME OF SUBMITTER: | MATTHEW SEIFERT | |
| Signature: | /Matthew Seifert/ | |
| Date: | 10/15/2013 | |

Total Attachments: 3

source=MP05US_1595_10152013#page1.tif

source=MP-05-US Assignment US+ROW Assign 131014#page1.tif source=MP-05-US Assignment US+ROW Assign 131014#page2.tif

PATENT

REEL: 031404 FRAME: 0330

| RECORDATION FORM COVER SHEET PATENTS ONLY | | | | |
|---|--|--|--|--|
| To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below. | | | | |
| Name of conveying party(ies) Peter BLACKBURN and Stephen GRIMES | | 2. Name and address of receiving party(ies) Name: Mercia Pharma, Inc. Internal Address: | | |
| A. Patent Application No.(s) 13/057,952 | | Street Address: 426 W. 44th Street City: New York State: New York Country: United States of America Zip: 10036 Additional name(s) & address(es) attached? Yes No document serves as an Oath/Declaration (37 CFR 1.63). B. Patent No.(s) | | |
| 5. Name and address to whom correspondence concerning document should be mailed: | | 6. Total number of applications and patents involved: 1 | | |
| Name: Hoxie & Associates LLC Internal Address: Street Address: 75 Main Street, Suite 203 | | 7. Total fee (37 CFR 1.21(h) & 3.41) \$\frac{40.00}{}\$ Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) | | |
| City: Millburn | | 8. Payment Information | | |
| State: NJ | Zip: 07065 | | | |
| Phone Number: (973)912-5232 Docket Number: MP-05-US | | Deposit Account Number 50-4255 | | |
| Email Address: hoxiepa | | Authorized User Name Matthew Seifert | | |
| 9. Signature: | /Matthew Seifert/ Signature Matthew Seifert ame of Person Signing | October 15, 2013 Date Total number of pages including cover sheet, attachments, and documents: 3 Should be faxed to (571) 273-0140, or mailed to: | | |
| Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450 | | | | |

PATENT REEL: 031404 FRAME: 0331

ASSIGNMENT

Attorney Ref: MP-05-US

Whereas I/We, Peter Blackburn and Stephen Grimes, hereinafter referred to as "ASSIGNOR(s)", have Invented certain new and useful improvements disclosed in an application for United States Letters Patent entitled

IMMUNOTHERAPEUTIC COMPOSITIONS FOR THE TREATMENT OF ALZHEIMER'S DISEASE

for which an Application for a United States Patent was filed on February 7, 2011 and assigned application number 13/057,952.;

Whereas Mercia Pharma, Inc., having an address of Mercia Pharma, Inc., 426 W. 44th St., New York, NY 10036 US, hereafter referred to as "ASSIGNEE" is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, I/we, as Assignor(s), have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors and/or assigns, the entire right, title and interest for all countries in and to all inventions and/or improvements I/we have made or may have made and/or all inventions and/or improvements disclosed in the aforesaid Patent Applications, including the aforementioned Provisional Patent Applications and International Patent Application, as well as any and all applications and patents claiming priority therefrom, including all divisions, continuations, continuations-in-part, substitutions, registrations and/or renewals thereof, all Letters Patent which may be granted there from and related thereto, and all reissues or extensions, supplementary Protection Certificates or the like, of such patents, as well as in and to any and all applications which have been or shall be filed in any foreign country(ies) for Letters Patent on said inventions and improvements, including an assignment of all rights under the provisions of the International Convention or similar provisions thereof, and all Letters Patent of foreign countries which may be granted there from; and I/we do hereby authorize and request the United States Commissioner of Patents and Trademarks and/or any other authority(ies) granting Letters of Patent, to issue any and all Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and/or assigns.

AND, for the consideration aforesaid, I/we, as Assignor(s), do hereby agree that I/we and my/our executors and/or legal representatives, will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and/or representatives all facts known to me/us relating to said improvements, the history thereof and relevant related art, and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors and/or assigns the entire right, title and interest in and to the said improvements,

PATENT REEL: 031404 FRAME: 0332 inventions, Patent Applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, I/we, the Assignor(s) covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me/us, individually and/or jointly and that full right to convey the same as herein expressed is possessed by me/us.

Blacker 14 October 2013

Peter Blackburn Da

14 October 2013

tephen Grimes Date

RECORDED: 10/15/2013

PATENT REEL: 031404 FRAME: 0333