PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | |
|-----------------------|--------------------------|--|
| NATURE OF CONVEYANCE: | NUNC PRO TUNC ASSIGNMENT | |
| EFFECTIVE DATE: | 01/10/2008 | |

CONVEYING PARTY DATA

| Name | Execution Date | |
|----------------|----------------|--|
| Alyssa PANITCH | 10/05/2010 | |
| Brandon SEAL | 10/06/2010 | |
| Brian WARD | 10/01/2010 | |

RECEIVING PARTY DATA

| Name: | Purdue Research Foundation | |
|-----------------|----------------------------|--|
| Street Address: | 1281 Win Hentschel Blvd. | |
| City: | West Lafayette | |
| State/Country: | INDIANA | |
| Postal Code: | 47906 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number | |
|---------------------|----------|--|
| Application Number: | 11972459 | |

CORRESPONDENCE DATA

Fax Number: (317)231-7433

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

Phone: 317-231-6410 Email: gtwyman@btlaw.com Eric E. Williams Correspondent Name:

Address Line 1: 11 South Meridian Street Address Line 2: Barnes & Thornburg LLP Address Line 4: Indianapolis, INDIANA 46204

| ATTORNEY DOCKET NUMBER: | 3220-213928 |
|-------------------------|------------------|
| NAME OF SUBMITTER: | Eric E. Williams |

PATENT REEL: 025106 FRAME: 0308

501313576

Total Attachments: 4

source=Assignment (213928)#page1.tif source=Assignment (213928)#page2.tif source=Assignment (213928)#page3.tif source=Assignment (213928)#page4.tif

> PATENT REEL: 025106 FRAME: 0309

| Attorney Docket No.: | 3220-213928 |
|-----------------------|-------------|
| Client Reference No.: | 64887.10.US |

NUNC PRO TUNC ASSIGNMENT (Effective as of January 10, 2008) for U.S. Application Serial No. 11/972,459

ASSIGNMENT

| | on consideration of the sum of the Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, | | |
|--|--|--|--|
| Name(s) | Alyssa Panitch , | | |
| of Inventor(s) | Brandon Seal , and | | |
| | Brian Ward | | |
| | maker(s) of an invention which is the subject of an application for Letters Patent of the United States ("Application") entitled | | |
| Title of Application | Polypeptide Inhibitors Of HSP27 Kinase And Uses Therefor | | |
| | the undersigned hereby sell(s), assign(s), and set(s) over to | | |
| Name of Assignee | Purdue Research Foundation | | |
| Address of | 1281 Win Hentschel Blvd. | | |
| principal place of business | West Lafayette, IN 47906 | | |
| Insert State of Incorporation (if applicable) or "Not Applicable" | a corporation of | | |

(hereinafter designated as the Assignee) their entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries, including Canada, which may be granted for such inventions, or any of them, all such inventions and all rights in such Application and Letters Patent to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by them had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the application(s) in the United States and foreign countries and any continuing, divisional, or reissue applications thereof, and any reexamination of any of such applications, and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared or litigation concerning the application(s) or continuation, division, reissue, or reexamination thereof, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or litigation.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

PATENT REEL: 025106 FRAME: 0310

ASSIGNMENT TO BUSINESS CONCERN

The undersigned agree(s) to do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States and in all other countries where Assignee may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application(s) or any division or divisions or continuing or reissue applications thereof, and any reexamination of any of such applications, to the said Assignee, as Assignee of the entire interest, and hereby covenants that the undersigned has full right to convey the interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

| IN WITNESS WHEREOF, I have executed this assignment | al West Lafayotte |
|--|--|
| this day of, | / / |
| Outside the USA: Witnesses are Witness required when | Inventor (Signature) |
| acknowledgment before a Notary | Alyssa Panitch |
| Public is not Witness | Inventor (Printed Name) |
| feasible. ACKNOWLE | DGMENT COMMISSION COMM |
| STATE OF Indiand } SS: COUNTY OF Jupicand } Acknowledged before me, a Notary Public, within and for sa | id County and State. Witness my hand and National State witness my hand witness |
| this 5th day of October 1, | 2010 |
| | Notary Public Sina Duncan Smutz Printed Name |
| My Commission Expires: 1415, 2018 | Resident of Suppleand County |

| in Witness V | WHEREOF, I have e | xecuted this assignment | al JAG JECK | L | |
|--|---------------------|---|------------------------------------|----------------------|---------------|
| this 6th day of | October | | 2010 | | |
| Outside the USA: Witnesses are required when | Witness | | Book Inventor (Signature) | gnature) | |
| acknowledgment | | | Brandon Sea | .i | |
| Public is not feasible. | Witness | | Inventor (Pri | | |
| | | ACKNOWLE | DGMENT | | |
| STATE OF Utah COUNTY OF Utah | } : | SS: | | | |
| Acknowledged i | before me, a Notary | Public, within and for sa | id County and State. W | itness my hand and ? | Votarial Seal |
| this day of | October | *************************************** | Notary Public Diame Printed Name | Daven Daven por | pat t |
| My Commission Expires: | 7-21-20 | 13 | Resident of | ltah | _ County |



| IN WITNESS WHEREOF, I have executed this assig | mment at Brounghama IN |
|---|---|
| this 1st day of October | |
| Outside the USA: | Brian C. Word |
| Outside the USA: Witnesses are Witness required when | Inventor (Signature) |
| acknowledgment before a Notary | Brian Ward |
| Public is not Witness leasible. | Inventor (Printed Name) |
| ACKNO | OWLEDGMENT |
| STATE OF INDIANA } SS: | |
| Acknowledged before me, a Notary Public, within an | d for said County and State. Witness my hand and Notarial Sea |
| this 1st day of October | |
| | Darak a Shall Notary Public |
| | Anothry Phone |
| | Sarah A. Shade Printed Name |
| My Commission Expires: April 2, 2017 | Resident of Hendricks County |
| U.S. Application Serial No. Date of Filing: 11/972,459 January 10, 2008 | |

INDS02 GLT 11318(9v)

RECORDED: 10/07/2010

PATENT REEL: 025106 FRAME: 0313