## 504506430 08/16/2017

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4553134

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
ANDREW D. PATTERSON	05/16/2016
SHANTU AMIN	05/05/2016
DHIMANT H. DESAI	05/05/2016

## **RECEIVING PARTY DATA**

Name:	THE PENN STATE RESEARCH FOUNDATION
Street Address:	304 OLD MAIN
City:	UNIVERSITY PARK
State/Country:	PENNSYLVANIA
Postal Code:	16802

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15371032

## **CORRESPONDENCE DATA**

**Fax Number:** (814)863-8469

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

**Phone:** (814) 867-4088 **Email:** mjb381@psu.edu

Correspondent Name: MICHAEL J BRIGNATI, PH.D

Address Line 1: THE PENNSYLVANIA STATE UNIVERSITY
Address Line 2: 227 WEST BEAVER AVENUE, SUITE 507
Address Line 4: STATE COLLEGE, PENNSYLVANIA 16801

ATTORNEY DOCKET NUMBER:	PSU 2013-4119	
NAME OF SUBMITTER:	MICHAEL J. BRIGNATI, PH.D.	
SIGNATURE:	/Michael J. Brignati, Reg. No. 60,890/	
DATE SIGNED:	08/16/2017	

## **Total Attachments: 3**

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PATENT 504506430 REEL: 043308 FRAME: 0553

#### ASSIGNMENT

FOR VALUE RECEIVED, and pursuant to my obligations under my employment agreements/appointments with THE PENNSYLVANIA STATE UNIVERSITY ("University"), I, <u>ANDREW D. PATTERSON, SHANTU AMIN, and DHIMANT H. DESAI</u>, hereby sell, assign and transfer unto the University's designee, THE PENN STATE RESEARCH FOUNDATION, as assignee, and its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter invented by me and disclosed or claimed in an application for Letters Patent of the United States of America, entitled;

#### "INHIBITORS OF THE FARNESOID X RECEPTOR AND USES IN MEDICINE"

signed by us on the date set forth below; and in and to any and all continuations, continuations-in-part, divisions, reissues, renewals, extensions, substitutions, additions or reexaminations of such application and any U.S. patents issuing thereon; and in and to any and all corresponding international and foreign applications for Letters Patent and any foreign patents issuing thereon; and all Convention and Treaty Rights of any kind, in all countries throughout the world, for all such subject matter; together with all claims for damages by reason of future, present and past infringement, with the right to sue for and collect the same for assignee's use and on behalf of assignee's successors, assigns and legal representative.

We request that any and all patents for said inventions be issued to said assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing, maintaining and enforcing patents for said inventions in any and all countries and for vesting title thereto in said assignee, its successors, assigns and legal representatives or nominees.

We authorize and empower the said assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of said assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may benceforth be substituted for it.

We covenant with said assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

Ma. 1

11.

Signed at University Park, Pennsylvania, this 10 da	y of 1 (CXX), 2016.
Witness: 1475	Signed: Andrew D. Patterson
STATE OF PENNSYLVANIA :	
COUNTY OF CENTRE : ss:	
On this 10 day of May	, 2016, before me, a Notary Public in and for the county and
State aforesaid, appeared Andrew D. Patterson, to m	ne personally known to be the person whose name is subscribed to
the foregoing instrument, and acknowledged that he execut purposes therein expressed.	ed said instrument as his free and voluntary act for the uses and
Witness my hand and scal the day and year last ab	ove given.  NOTARIAL SEAL Dena M Linn

Merary Public

[Page 1 of 2 - Signatures Continued on Page 2]

NOTARIAL SEAL
Dena M Linn
NOTARY PUBLIC
State College Boro, Centre County
My Commission Expires 09/17/2017

U. S. Serial No. 14/909,263	Docket No. <u>PSU 2013-4119</u>
	ASSIGNMENT
FOR VALUE RECEIVED, and pursuant to my of	oligations under my employment agreements/appointments with TH

FOR VALUE RECEIVED, and pursuant to my obligations under my employment agreements/appointments with THE PENNSYLVANIA STATE UNIVERSITY ("University"), I, ANDREW D. PATTERSON, SHANTU AMIN, and DHIMANT H. DESAL, hereby sell, assign and transfer unto the University's designee, THE PENN STATE RESEARCH FOUNDATION, as assignee, and its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter invented by me and disclosed or claimed in an application for Letters Patent of the United States of America, entitled:

## "INHIBITORS OF THE FARNESOID X RECEPTOR AND USES IN MEDICINE"

signed by us on the date set forth below; and in and to any and all continuations, continuations-in-part, divisions, reissues, renewals, extensions, substitutions, additions or reexaminations of such application and any U.S. patents issuing thereon; and in and to any and all corresponding international and foreign applications for Letters Patent and any foreign patents issuing thereon; and all Convention and Treaty Rights of any kind, in all countries throughout the world, for all such subject matter; together with all claims for damages by reason of future, present and past infringement, with the right to sue for and collect the same for assignee's use and on behalf of assignee's successors, assigns and legal representative.

We request that any and all patents for said inventions be issued to said assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing, maintaining and enforcing patents for said inventions in any and all countries and for vesting title thereto in said assignee, its successors, assigns and legal representatives or nominees.

We authorize and empower the said assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of said assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

We covenant with said assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

Signed at University Park, Pennsylvania,	· ·	
Witness:	Signed	: Andrew D. Patterson
STATE OF PENNSYLVANIA COUNTY OF CENTRE	: : ss; :	
State aforesaid, appeared Andrew D.	Patterson, to me personal	before me, a Notary Public in and for the county and ly known to be the person whose name is subscribed to trument as his free and voluntary act for the uses and
Witness my hand and seal the da	y and year last above given.	
ņ	Notary Public Page 1 of 2 – Signatures Con	tinued on Page 2]

PATENT REEL: 043308 FRAME: 0555

# [Page 2 of 2 - Assignment Signatures Continued]

Signed at University Park, Pennsylvania, thisday of, 2016.
Witness: Signed: Signed: SHANTU AMIN
STATE OF PENNSYLVANIA :
COUNTY OF CENTRE : ss:
On this $\frac{\int_{-\infty}^{\infty} day}{\int_{-\infty}^{\infty} day}$ of $\frac{\int_{-\infty}^{\infty} day}{\int_{-\infty}^{\infty} day}$ , 2016, before me, a Notary Public in and for the county and State aforesaid, appeared <u>SHANTU AMIN</u> , to me personally known to be the person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act for the uses and purposes therein expressed.
Witness my hand and seal the day and year last above given.  COMMONWEALTH OF PENNSYLVANIA  NOTARIAL SEAL  Crystal L. Dawson, Notary Public  Derry Twp, Dauphin County  My commission expires Pelmacy 12, 2019
Signed at University Park, Pennsylvania, this 5 day of , , 2016.  Witness: DHIMANT H. DESAI
STATE OF PENNSYLVANIA :
: ss: COUNTY OF CENTRE ;
On this
Witness my hand and seal the day and year last above given.
COMMONWEALTH OF PENNSYLVANIA NOTARIAL SEAL Crystel L. Daswon, Notary Public Derry Twp, Dauphin County My commission expires February 12, 2019

PATENT REEL: 043308 FRAME: 0556

**RECORDED: 08/16/2017**