

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT4159476

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
LAYKEA TAFESSE	10/23/2014
R. RICHARD GOEHRING	10/23/2014
MARK YOUNGMAN	10/25/2014
JIANMING YU	10/22/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	PURDUE PHARMA L.P.
<b>Street Address:</b>	201 TRESSER BOULEVARD
<b>Internal Address:</b>	ONE STAMFORD FORUM
<b>City:</b>	STAMFORD
<b>State/Country:</b>	CONNECTICUT
<b>Postal Code:</b>	06901
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15313323
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(203)588-7155
<i>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.</i>	
<b>Phone:</b>	203-588-8000
<b>Email:</b>	nicole.davis@pharma.com
<b>Correspondent Name:</b>	IP SUPPORT GROUP PURDUE PHARMA, LP
<b>Address Line 1:</b>	201 TRESSER BOULEVARD
<b>Address Line 2:</b>	ONE STAMFORD FORUM
<b>Address Line 4:</b>	STAMFORD, CONNECTICUT 06901
<b>NAME OF SUBMITTER:</b>	WEIYING YANG
<b>SIGNATURE:</b>	/Weiyang Yang/
<b>DATE SIGNED:</b>	11/29/2016
<b>Total Attachments: 5</b>	
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**ASSIGNMENT**

I, **MARK YOUNGMAN**, a citizen of the **UNITED STATES OF AMERICA**, residing at **110 FRANKLIN COURT, NORTH WALES, PA, 19454**;

I, **LAYKEA TAFESSE**, a citizen of the **UNITED STATES OF AMERICA**, residing at **8 WINDWARD WAY, ROBBINSVILLE, NJ 08690**;

I, **R. RICHARD GOEHRING**, a citizen of the **UNITED STATES OF AMERICA**, residing at **2348 COUNTY ROAD, 229D, HENDERSON, TX 75652**;

I, **JIANMING YU**, a citizen of the **UNITED STATES OF AMERICA**, residing at **100 MARION DRIVE, PLAINSBORO, NEW JERSEY, 08536**;

and each of us, if more than one person is identified above (hereinafter "ASSIGNOR"), in consideration of the sum of Ten Dollars (\$10.00), or the equivalent thereof, and other good and valuable consideration, the sufficiency of which and receipt of which are hereby acknowledged, paid to ASSIGNOR by

**PURDUE PHARMA L.P.**

a Limited Partnership organized under the laws of Delaware, located at One Stamford Forum, 201 Tresser Boulevard, Stamford, Connecticut 06901-3431 (hereinafter "ASSIGNEE"), do hereby sell and assign to said ASSIGNEE, its successors and assigns, the below indicated right, title, and interest, **throughout the world**, in and to my Invention entitled:

**SPIROCYCLIC MORPHINANS AND USE THEREOF**

invented by us and described in Patent Application No. 62/003,252, filed on May 27, 2014, (I authorize the legal representatives of the Assignee to insert the application number and filing date) in the United States of America, and all patents, divisions, reissues, continuations and any extensions thereof and rights of priority therein, and all applications for industrial property protection including, without limitation, all applications for patents, utility models, inventor's certificates and designs and rights of priority therein that may be filed for said Invention in any country, and including the right to claim the same priority rights from any previously filed applications under the International Agreement 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; said interest being my entire ownership interest in the same, to be held and enjoyed by said ASSIGNEE, its successors, assigns, or other legal representatives, to the full end of the term thereof, as fully and entirely as the same would have been held and enjoyed by me if this Assignment and sale had not been made.

And for the consideration aforesaid, I hereby covenant and agree to and with said ASSIGNEE,

its successors and assigns, that whenever ASSIGNEE, its counsel or representative, or the counsel or representative of its successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with an application concerning said Invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of such application or patent issuing therefrom is lawful and desirable, I will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement or enforcement of all lawful rights associated with the Invention, or for the reissue or continuation or extension of the same, will do all acts necessary or required to secure in said ASSIGNEE, its successors or assigns, the title to and full benefit of all rights hereby assigned, without charge to said ASSIGNEE or its successors or assigns, but at its or their expense; and I hereby appoint every present or future officer of said ASSIGNEE as my agent to sign all such papers and to do all such necessary acts on my behalf, to the fullest extent permitted by law.

And I hereby authorize and request the Commissioner of Patents and Trademarks and any other granting authority to issue any Letters Patent or other evidence or forms of industrial property protection resulting from said Invention and application(s) concerning same to said ASSIGNEE, its successors or assigns.

This Assignment shall have an effective date corresponding to the last date of execution.

I hereby represent that I have the full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict with this Assignment.

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that I have signed this document as my own free act and that all of the foregoing is true and correct.

Date: \_\_\_\_\_

Inventor: \_\_\_\_\_  
MARK YOUNGMAN

Date: 10/23/2014

Inventor:   
LAYKEA TAFESSE

Date: \_\_\_\_\_

Inventor: \_\_\_\_\_  
R. RICHARD GOEHRING

Date: \_\_\_\_\_

Inventor: \_\_\_\_\_  
JIANMING YU

its successors and assigns, that whenever ASSIGNEE, its counsel or representative, or the counsel or representative of its successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with an application concerning said Invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of such application or patent issuing therefrom is lawful and desirable, I will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement or enforcement of all lawful rights associated with the Invention, or for the reissue or continuation or extension of the same, will do all acts necessary or required to secure in said ASSIGNEE, its successors or assigns, the title to and full benefit of all rights hereby assigned, without charge to said ASSIGNEE or its successors or assigns, but at its or their expense; and I hereby appoint every present or future officer of said ASSIGNEE as my agent to sign all such papers and to do all such necessary acts on my behalf, to the fullest extent permitted by law.

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Date: October 25, 2014

Inventor:   
MARK YOUNGMAN

Date: \_\_\_\_\_

Inventor: \_\_\_\_\_  
LAYKEA TAFESSE

Date: \_\_\_\_\_

Inventor: \_\_\_\_\_  
R. RICHARD GOEHRING

Date: \_\_\_\_\_

Inventor: \_\_\_\_\_  
JIANMING YU

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Date: \_\_\_\_\_

Inventor: \_\_\_\_\_  
**MARK YOUNGMAN**

Date: \_\_\_\_\_

Inventor: \_\_\_\_\_  
**LAYKEA TAFESSE**

Date: \_\_\_\_\_

Inventor: \_\_\_\_\_  
**R. RICHARD GOEHRING**

Date: 10/22/2014

Inventor: *Ju Jianming*  
**JIANMING YU**

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Date: \_\_\_\_\_

Inventor: \_\_\_\_\_  
MARK YOUNGMAN

Date: \_\_\_\_\_

Inventor: \_\_\_\_\_  
LAYKEA TAFESSE

Date: 10-23-2014

Inventor: R. Richard Goehring  
R. RICHARD GOEHRING

Date: \_\_\_\_\_

Inventor: \_\_\_\_\_  
JIANMING YU