

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3353728

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
PETER X. WANG	04/23/2015
TAO JIANG	04/23/2015
RECEIVING PARTY DATA	
Name:	MALLINCKRODT LLC
Street Address:	675 MCDONNELL BLVD.
City:	HAZELWOOD
State/Country:	MISSOURI
Postal Code:	63042
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	14533522
PCT Number:	US2014064054
CORRESPONDENCE DATA	
Fax Number:	(618)655-9640
<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>	
Phone:	314-889-8000
Email:	IPdocket@polsinelli.com
Correspondent Name:	POLSINELLI PC
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Address Line 2:	SUITE 400
Address Line 4:	EDWARDSVILLE, ILLINOIS 62025
ATTORNEY DOCKET NUMBER:	054501-483745
NAME OF SUBMITTER:	REBECCA L. ENDSLEY, PARALEGAL
SIGNATURE:	/Rebecca L. Endsley/
DATE SIGNED:	05/14/2015
Total Attachments: 4	
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source=483745 Assignment#page3.tif	

4/23/15 ^(e)

ASSIGNMENT

WHEREAS, Peter X. Wang of Creve Coeur, Missouri and ^{Tao Jiang} ~~Tai-Jiang~~ of Chesterfield, Missouri; (hereinafter referred to as "ASSIGNOR"), own an invention (the "INVENTION") relating to an improvement **PRODUCTION OF 6-HYDROXY MORPHINANS WITHOUT THE ISOLATION OF INTERMEDIATES** (file No. 054501-483745 (H-MP-00225 US)) and have executed an application for a United States patent based thereon Serial No. 14/533522, filed November 5, 2014 and have executed an international application based thereon application No. PCT/US2014/064054 filed November 5, 2014;

AND, WHEREAS, MALLINCKRODT LLC having its principal place of business at 675 McDonnell Blvd., Hazelwood, Missouri 63042 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring certain rights thereunder;

NOW, THEREFORE, for one dollar and other good and valuable consideration, receipt of all of which is hereby acknowledged, ASSIGNOR has agreed to and do hereby sell, assign, and transfer unto said ASSIGNEE the entire right, title and interest in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto in and to said INVENTION, said APPLICATION, any other United States application (including divisional, continuing, or reissue applications) based in whole or in part on said APPLICATION or in whole or in part on said INVENTION, any foreign applications based in whole or in part on any of the aforesaid United States applications or in whole or in part on said INVENTION, and any and all patents (including extensions thereof) of any country which have been or may be granted on any of the aforesaid applications or on said INVENTION or any part thereof;

TO BE HELD AND ENJOYED by said ASSIGNEE, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had no sale and assignment of said interest been made;

AND ASSIGNOR hereby authorize and request the Commissioner of Patents of the United States of America to issue any and all United States patents which may be granted upon said United States applications or any of them, or upon said INVENTION or any part thereof, to said ASSIGNEE;

AND ASSIGNOR, their successors and assigns, hereby agree to execute without further consideration any further lawful documents and any further assurances, and any divisional, continuing, reissue, or other applications for patents of any country, that may be deemed necessary by said ASSIGNEE fully to secure to said ASSIGNEE its interest as aforesaid in and to said INVENTION or any part thereof, and in and to said several patents or any of them;

AND ASSIGNOR hereby covenant and agree with said ASSIGNEE, its successors and assigns, that ASSIGNOR has granted no right or license to make, use, or sell said INVENTION, to anyone except said ASSIGNEE, that prior to the execution of this assignment, ASSIGNOR'S right, title and interest in said INVENTION have not been otherwise encumbered, and that ASSIGNOR has not executed and will not execute any instrument in conflict herewith.

Date 4/23/15

Peter Wang
PETER X. WANG

ACKNOWLEDGMENT

STATE OF Missouri)
City St. Louis) SS.
COUNTY OF St. Louis)

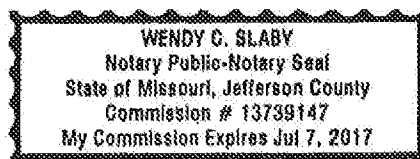
On this 23rd day of April, 2015, before me, a Notary Public, personally appeared PETER X. WANG known to me to be the person described in and who executed the foregoing assignment and acknowledged that he/she executed said instrument as his/her free act and deed.

In Testimony Whereof, I have hereunto set my hand and affixed my official seal the day and year first above written.

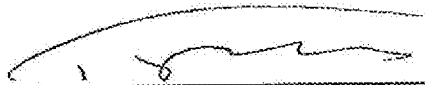
Wendy C. Slaby
Notary Public

My Commission Expires:

7/7/2017 [SEAL]



Date 4/23/15




TAO JIANG

ACKNOWLEDGMENT

STATE OF Missouri)
CITY) SS.
COUNTY OF St. Louis)

On this 23rd day of April, 2015, before me, a Notary Public, personally appeared TAO JIANG known to me to be the person described in and who executed the foregoing assignment and acknowledged that he/she executed said instrument as his/her free act and deed.

In Testimony Whereof, I have hereunto set my hand and affixed my official seal the day and year first above written.



Notary Public

My Commission Expires:

7/7/2017 [SEAL]

