PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

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

CONVEYING PARTY DATA

| Name | Execution Date | |
|-------------------|----------------|--|
| Lorin Olson | 03/23/2013 | |
| Vaclav Vojan | 05/13/2013 | |
| Juergen E. Pfrang | 04/02/2013 | |
| Peter Krulevitch | 03/27/2013 | |
| Jingli Wang | 03/27/2013 | |
| Nicholas Foley | 04/29/2013 | |
| Mingqi Zhao | 04/26/2013 | |
| Paul Tashjian | 06/20/2013 | |

RECEIVING PARTY DATA

| Name: | Janssen Biotech, Inc. | |
|-----------------|--------------------------|--|
| Street Address: | 200 Great Valley Parkway | |
| City: | Malvern | |
| State/Country: | PENNSYLVANIA | |
| Postal Code: | 19355 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13833978 |

CORRESPONDENCE DATA

Fax Number: 2155683439

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

Phone: 215-568-3100

Email: assignments@woodcock.com

Correspondent Name: WOODCOCK WASHBURN LLP

Address Line 1: 2929 Arch Street

Address Line 2: Cira Centre, 12th Floor

Address Line 4: Philadelphia, PENNSYLVANIA 19104

PATENT

REEL: 030686 FRAME: 0649

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| ATTORNEY DOCKET NUMBER: JANS-0422 / CEN5270USCIP | |
|---|---|
| NAME OF SUBMITTER: Janis Calvo | |
| Signature: | /Janis Calvo/ |
| Date: | 06/26/2013 |
| Total Attachments: 16 source=JANS-0422 ASSIGNMENTS#page | 2.tif 3.tif 4.tif 5.tif 6.tif 7.tif 8.tif 9.tif 10.tif 11.tif 12.tif 13.tif |

PATENT REEL: 030686 FRAME: 0650

ASSIGNMENT

WHEREAS, I, Lorin Olson, citizen of the United States of America, residing at 1230 Mount Herman Road, Scotts Valley, California 95066, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application identified as Application Number 13/833,978 filed March 15, 2013 ("the invention"), which is entitled PALM ACTIVATED DRUG DELIVERY DEVICE ("the subject application"), and which claims priority to patent application number 12/905,572 filed October 15, 2010 ("the priority application").

AND WHEREAS, **JANSSEN BIOTECH, INC.**, ASSIGNEE, having a place of business at **200 Great Valley Parkway, Malvern, Pennsylvania 19355**, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

| signature. |
|--|
| Executed this 23 day of march, year of 2013. |
| Signature Lorin Olson |
| ***************************** |
| STATEMENT OF WITNESS |
| SIGNED at CAL, USA |
| (City) SCOTTS VALLET (Country) USA |
| This <u>23</u> day of <u>march</u> , 201 <u>3</u> . |
| I, Sharow R. OLSOW whose full |
| residence address is 1230 mT, IAERMON RD |
| SCOTTS VALLET, CAL, 95066 |
| was personally present and did see Lorin Olson execute the above assignment on the <u>23</u> day of <u>MAY-CH</u> , 201 <u>3</u> , and such assignor is personally known to me to be the person described in such document. |

ASSIGNMENT

WHEREAS, I, Vaclav Vojan, citizen of the Czech Republic, residing at Sokolovska 137, Plzen, Czech Republic 32300, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application identified as Application Number 13/833,978 filed March 15, 2013 ("the invention"), which is entitled PALM ACTIVATED DRUG DELIVERY DEVICE ("the subject application"), and which claims priority to patent application number 12/905,572 filed October 15, 2010 ("the priority application").

AND WHEREAS, **JANSSEN BIOTECH, INC.**, ASSIGNEE, having a place of business at **200 Great Valley Parkway, Malvern, Pennsylvania 19355**, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

| DOCKET NO.: JANS-0422 / CEN5270USCIP |
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| legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries. |
| IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature. |
| Executed this |
| Signature / Vaclav Vojan ************************************ |
| STATEMENT OF WITNESS |
| SIGNED at WACKERSDOZF |
| (City) (Country) |
| This |
| 1, Andreas Frans whose full |
| residence address is Richebayeah. J |
| D-82224 Fulber |

ASSIGNMENT

WHEREAS, I, Juergen E. Pfrang, citizen of Germany, residing at Josef-Miller Str. 7, Kallmuenz, Germany 93183, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application identified as Application Number 13/833,978 filed March 15, 2013 ("the invention"), which is entitled PALM ACTIVATED DRUG DELIVERY DEVICE ("the subject application"), and which claims priority to patent application number 12/905,572 filed October 15, 2010 ("the priority application").

AND WHEREAS, JANSSEN BIOTECH, INC., ASSIGNEE, having a place of business at 200 Great Valley Parkway, Malvern, Pennsylvania 19355, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

 $legal\ representatives,\ and\ assigns,\ to\ obtain\ and\ enforce\ proper\ protection\ for\ the\ invention\ in$

DOCKET NO.: JANS-0422 / CEN5270USCIP

ASSIGNMENT

WHEREAS, I, Peter Krulevitch, citizen of the United States of America, residing at 1122 Division Street, Pleasanton, California 94566, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application identified as Application Number 13/833,978 filed March 15, 2013 ("the invention"), which is entitled PALM ACTIVATED DRUG DELIVERY DEVICE ("the subject application"), and which claims priority to patent application number 12/905,572 filed October 15, 2010 ("the priority application").

AND WHEREAS, **JANSSEN BIOTECH, INC.**, ASSIGNEE, having a place of business at **200 Great Valley Parkway, Malvern, Pennsylvania 19355**, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

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| legal representatives, and assigns, to obtain and enforce proper protection for the invention in |
| all countries. |

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature. Executed this $\frac{27}{\text{day of }}$ day of $\frac{\text{March}}{\text{day of }}$, year of $\frac{2013}{\text{day of }}$. Peter Krulevitch STATEMENT OF WITNESS SIGNED at Fremont, CA, USA (City) This <u>27</u> day of <u>Cllarch</u>, 201<u>3</u>. I, JOHANNA BENTZ whose full residence address is 36036 Bayonne Dr., Nowark CA 94560 was personally present and did see Peter Krulevitch execute the above assignment on the 27 day of ________, 2013, and such assignor is personally known to me to be the person descriped in such document.

ASSIGNMENT

WHEREAS, I, Jingli Wang, citizen of the United States of America, residing at 6102 Rainbow Drive, San Jose, California 95129, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application identified as Application Number 13/833,978 filed March 15, 2013 ("the invention"), which is entitled PALM ACTIVATED DRUG DELIVERY DEVICE ("the subject application"), and which claims priority to patent application number 12/905,572 filed October 15, 2010 ("the priority application").

AND WHEREAS, **JANSSEN BIOTECH, INC.**, ASSIGNEE, having a place of business at **200 Great Valley Parkway, Malvern, Pennsylvania 19355**, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature. Executed this 27 day of March, year of 2013. Signature Jingli Wang STATEMENT OF WITNESS (City) (Country) This <u>27</u> day of <u>Clar</u>, 2013 JOHANNA BENTZ whose full residence address is 36036 Bayonne Dr. was personally present and did see Jingli Wang execute the above assignment on the day of ______, 201\(\int_{\text{and}}\), and such assignor is personally known to me to be the person described in such document. Signature of Witness

ASSIGNMENT

WHEREAS, I, Nicholas Foley, citizen of the United Kingdom, residing at 6 Afton Place, Edinburgh, Scotland EH5 3RB, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application identified as Application Number 13/833,978 filed March 15, 2013 ("the invention"), which is entitled PALM ACTIVATED DRUG DELIVERY DEVICE ("the subject application"), and which claims priority to patent application number 12/905,572 filed October 15, 2010 ("the priority application").

AND WHEREAS, **JANSSEN BIOTECH**, **INC.**, ASSIGNEE, having a place of business at **200 Great Valley Parkway**, **Malvern**, **Pennsylvania 19355**, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

| DOCKET NO.: JANS-0422 / CENS27005CIP |
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| legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries. |
| IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature. |
| Executed this 29TH day of APRIC , year of 2013 . |
| 1971 |
| Signature |
| Nicholas Foley |
| ****************************** |
| STATEMENT OF WITNESS |
| SIGNED at 46 SHORE, EDINGURGH |
| (City) (Country) |
| This 29Th day of APRIC, 2013. |
| I, DAVID SHEPHERD whose full |
| residence address is 30 MEADOWHOUSE ROAD, |
| EDINBURGH, UK |
| was personally present and did see Nicholas Foley execute the above assignment on the 21% |
| day of APRIC , 2013, and such assignor is personally known to me to be the |
| person described in such document. |
| David Sheplat |

ASSIGNMENT

WHEREAS, I, Mingqi Zhao, citizen of the United States of America, residing at 1304 Payette Court, San Jose, California 95129, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application identified as Application Number 13/833,978 filed March 15, 2013 ("the invention"), which is entitled PALM ACTIVATED DRUG DELIVERY DEVICE ("the subject application"), and which claims priority to patent application number 12/905,572 filed October 15, 2010 ("the priority application").

AND WHEREAS, **JANSSEN BIOTECH, INC.**, ASSIGNEE, having a place of business at **200 Great Valley Parkway, Malvern, Pennsylvania 19355**, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

| DOCKET NO.: JANS-0422/ CENS2700 | Joen | | | | |
|---|---|--------------|------------------|-----------|-------------|
| legal representatives, and assigns, to all countries. | obtain and en | force proper | protection 1 | or the ir | nvention in |
| IN TESTIMONY WHEREOF, I ha | ave signed my r | ame below | on the date i | ndicated | l above my |
| signature. | , | | | | |
| - | x (| | . 5 | | |
| Executed thisday of | April . | , year of | 2013. | | |
| | | | | | |
| ho M | | | e de la companya | | |
| Signature | | | | | |
| | | | | | |
| Mingqi Zhao | | | | | |
| ******** | ****** | ****** | ***** | ***** | ****** |
| | | | | | |
| STATEMENT OF WITNESS | | | | | |
| | | | | | |

DOCKET NO + IANS_0422 / CENE270LISCID

ASSIGNMENT

WHEREAS, I, Paul Tashjian, citizen of the United States of America, residing at 1396 Nathan Hale Drive, Phoenixville, Pennsylvania 19460, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application identified as Application Number 13/833,978 filed March 15, 2013 ("the invention"), which is entitled PALM ACTIVATED DRUG DELIVERY DEVICE ("the subject application"), and which claims priority to patent application number 12/905,572 filed October 15, 2010 ("the priority application").

AND WHEREAS, **JANSSEN BIOTECH**, **INC.**, ASSIGNEE, having a place of business at **200 Great Valley Parkway**, **Malvern**, **Pennsylvania 19355**, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

| IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my |
|---|
| signature. |
| Executed this |
| |
| fm) |
| Signature |
| Paul Tashjian |
| ***************************** |
| STATEMENT OF WITNESS |
| SIGNED at TANSSEN PHARMA |
| (City) SPRINGHOUSE, PA (Country) |
| This 20 day of $000E$, 2013 . |
| I, RACPH ZWIRNMANN whose full |
| residence address is 720 CEDAR HILL ROAD; AMBLER, PA |
| 19002 |
| was personally present and did see Paul Tashjian execute the above assignment on the ZO |
| day of TUNE, 2013, and such assignor is personally known to me to be the |
| person described in such document. |
| Palph Erin |
| Signature of Witness |

Page 2 of 2