PATENT ASSIGNMENT COVER SHEET

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

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------|----------------|
| S. GEORGE KOTTAYIL | 09/28/2012 |
| JEFFREY H PING | 09/28/2012 |

RECEIVING PARTY DATA

| Name: | REVOGENEX IRELAND LTD | |
|-----------------|------------------------------|--|
| Street Address: | TRINITY HOUSE, CHARLESTON RD | |
| City: | DUBLIN 6 | |
| State/Country: | IRELAND | |

PROPERTY NUMBERS Total: 2

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14713775 |
| Application Number: | 14550279 |

CORRESPONDENCE DATA

Fax Number:

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.

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| ATTORNEY DOCKET NUMBER: 681.1001US2A; 681.1001CON | |
|---|------------------------|
| NAME OF SUBMITTER: | CLIFFORD M. DAVIDSON |
| SIGNATURE: | /Clifford M. Davidson/ |
| DATE SIGNED: | 12/23/2016 |

Total Attachments: 2

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PATENT 504153211 REEL: 040759 FRAME: 0484

Docket No.: 681.1001US

ASSIGNMENT

WHEREAS, I (We), S. George KOTTAYIL, of 20213 Sugarloaf Reserve Drive, Duluth, GA 30097; and Jeffrey H. PING, of 1032 Little Darby Lane, Suwanee, GA 30024, ASSIGNOR(S), have invented certain new and useful improvements in <u>INTRAVENOUS ADMINISTRATION OF TRAMADOL</u>, an application for a Patent of the United States for which:

| | I (we) am (are) about to execute; |
|----------|---|
| | was executed on(date(s)); |
| <u>X</u> | is identified by Davidson, Davidson & Kappel, LLC, Docket Nos. 681.1001US; |
| | was filed on as Serial No |
| X | I (we) hereby authorize and request our attorney, Davidson, Davidson & Kappel, LLC of 485 Seventh |
| | Avenue, 14th Floor, New York, New York 10018 to insert here in parentheses (Application number |
| | 13/445,526, filed 4/12/2012) the filing date and application number of |
| | said application when known; and |
| | |
| | WHEREAS Revogeney Ireland Ltd. Trinity House Charleston Rd. Dublin 6 Ireland. ASSIGNEE is |

WHEREAS, Revogenex Ireland Ltd, Trinity House, Charleston Rd, Dublin 6, Ireland, ASSIGNEE, is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me (us) in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I (we), the said ASSIGNOR(S), have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention 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; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and

I (WE) HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument; and

I (WE) HEREBY covenant and agree that I (we) have full right to convey the entire interest herein assigned, and that I (we) have not executed, and will not execute, any agreement in conflict herewith; and

I (WE) HEREBY further covenant and agree that I (we) will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

Docket No.: 681.1001US

IN TESTIMONY WHEREOF, I (we) hereunto set my (our) hand(s) and seal(s) the day and year set opposite my (our) signature(s).

Dated September 28, 2012

Dated: 9/28/12

S. George KOTTAYIL

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PATENT REEL: 040759 FRAME: 0486