505103501 09/20/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5150260

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NEWMARKET PHARMACEUTICALS LLC	08/01/2018

RECEIVING PARTY DATA

Name:	MARK RIDALL
Street Address:	2 WOODLAWN LANE
City:	PENNINGTON
State/Country:	NEW JERSEY
Postal Code:	08534

PROPERTY NUMBERS Total: 6

Property Type	Number
Application Number:	14398085
Application Number:	16014290
Application Number:	16117407
Application Number:	14275019
Patent Number:	8772636
Patent Number:	9402835

CORRESPONDENCE DATA

Fax Number: (703)776-9701

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: (703) 776-9700

Email: mail@jalindeman.com

Correspondent Name: J.A. LINDEMAN & CO., PLLC Address Line 1: 3190 FAIRVIEW PARK DRIVE

Address Line 2: SUITE 1070

Address Line 4: FALLS CHURCH, VIRGINIA 22042

ATTORNEY DOCKET NUMBER:	078.999-0000
NAME OF SUBMITTER:	AARON M. RAPHAEL
SIGNATURE:	/Aaron M. Raphael, Reg. No. 47,885/
DATE SIGNED:	09/20/2018

PATENT 505103501 REEL: 046924 FRAME: 0600

Total Attachments: 7 source=2018-09-20_Executed_Assignment#page1.tif source=2018-09-20_Executed_Assignment#page2.tif source=2018-09-20_Executed_Assignment#page3.tif source=2018-09-20_Executed_Assignment#page4.tif source=2018-09-20_Executed_Assignment#page5.tif source=2018-09-20_Executed_Assignment#page6.tif source=2018-09-20_Executed_Assignment#page7.tif

PATENT REEL: 046924 FRAME: 0601

PATENT ASSIGNMENT AGREEMENT

WHEREAS, NewMarket Pharmaceuticals LLC, having a place of business at 4 Pitcairn Avenue, Suite 4, Trenton, NJ 08628 (hereinafter "SELLER") is the sole and exclusive owner of certain United States and/or foreign patents and/or patent applications listed in Schedule A below (collectively referred to as the "Patents"); and

WHEREAS Mark F. Ridall, an individual residing at	(hereinafter
"PURCHASER") is desirous of acquiring the right, title and interest	in, to and under the said Patents (and
all foreign counterparts and related foreign patents).	

Schedule A

No.	Patent/ Application No.	Filed	Issued	Title
1	US 8,772,636	1/4/2012	10/30/2007	ANIMAL TREATMENTS
2	US 9,402,835	5/12/2014	8/02/2016	ANIMAL TREATMENTS
3	US 14/275019	5/12/2014	in the second se	ANIMAL TREATMENTS
4	US 14/398085	10/30/2014	der de par de	PHARMACEUTICAL COMPOSITIONS FOR DIRECT SYSTEMIC INTRODUCTION
5	AU 2012379005	12/17/2012	4/05/2018	PHARMACEUTICAL COMPOSITIONS FOR DIRECT SYSTEMIC INTRODUCTION
6	AU 2018201970	3/20/2018	ini shrekes	PHARMACEUTICAL COMPOSITIONS FOR DIRECT SYSTEMIC INTRODUCTION
7	BR 112014027352 9	12/17/2012	and the second s	PHARMACEUTICAL COMPOSITIONS FOR DIRECT SYSTEMIC INTRODUCTION
8	CA 2872396	12/17/2012	ing spikar (PHARMACEUTICAL COMPOSITIONS FOR DIRECT SYSTEMIC INTRODUCTION
9	EP 12875765.5	12/17/2012		PHARMACEUTICAL COMPOSITIONS FOR DIRECT SYSTEMIC INTRODUCTION

Page 10 of 12

Now, Therefore,

- 1. For good and valuable consideration, the receipt of which is hereby acknowledged, SELLER does hereby sell, assign, transfer and set over to PURCHASER, subject to existing encumbrances, the Patents aforesaid, and any inventions claimed in said Patent, any reissue or reissues of said Patents already granted and which may be granted, any certificates of reexamination already granted and which may be granted the same to be held and enjoyed by PURCHASER for its own use and enjoyment, and for the use and enjoyment of its successors, assigns or other legal representatives, to the end of the term or terms for which said Patents are or may be granted, reissued or extended as fully and entirely as the same would have been held and enjoyed by SELLER, if this assignment and sale had not been made; together with all claims for damages by reason of past, current, and future infringement and/or provisional rights under said Patents, with the right to sue for, and collect the same for its own use and behalf, and for the use and behalf of its successors, assigns or other legal representatives;
- 2. SELLER, hereby authorizes and requests the Commissioner of Patents and Trademarks, and any official of any country or countries foreign to the United States, whose duty is to issue patents or other evidence or forms of industrial property on applications as aforesaid, to issue any and all Letters Patents of the United States, or their foreign equivalent, on said inventions to PURCHASER or to such nominees as it may designate as assignee of the entire interest; and
- 3. Nothing in this Assignment shall be construed as (i) a warranty or representation by SELLER as to the validity or scope of any Rights, (ii) a warranty or representation that anything made, used, imported, developed, promoted, offered for sale, sold, or otherwise disposed of under the Rights does not or will not infringe patents, trade secrets or other proprietary rights of third parties; (iii) a representation or warranty of operability or that development of a commercial products is possible; (iv) any other representations or warranties, either express or implied, unless specified herein; (v) directly or indirectly operating or applying as a waiver of sovereign immunity by the laws of New Jersey; or (vi) imposing any obligation or any liability on any party contrary to the laws of New Jersey. ALL RIGHTS ARE ASSIGNED HEREUNDER "AS IS." SELLER DISCLAIMS AND MAKES NO EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE RIGHTS.

In Witness Whereof, SELLER has executed this Assignment by its duly authorized representative.

	SELLER By
A.	Name: Maile Ridoll. For Waw No
	Date: August. 1. 2018
State of NW JULY County of LUUL	
	, 2018 before me personally to be the person described herein and who executed the ne executed the same knowingly and willingly and for the
Witness my hand and Notarial seal the	day and year immediately above written.
1 Min I made	e:

Notary Public

My Commission Expires:

MARY ANGELO
Notary Public
State of New Jersey
My Commission Expires April 24, 2019

WORLDWIDE ASSIGNMENT

WHEREAS, this patent assignment (the "Assignment") is made as of _August 1 2018_ (the "Effective Date");

WHEREAS, NEWMARKET PHARMACEUTICALS LLC, whose post office address is 4 Pitcairn Avenue, Suite 4, Trenton, NJ 08628 ("Assignor"), possesses the right, title, and interest for and in an invention entitled ANIMAL TREATMENTS ("the Invention"). The Invention is described in patent Application No. 16/014,290 (the "Application"), which was filed on June 21, 2018; and

WHEREAS, inventor Mark RIDALL ("Assignee"), whose post office address is 2 Woodlawn Lane, Pennington, NJ 08534, is desirous of acquiring Assignor's entire right, title, and interest in and to this Invention in all countries throughout the world, and in and to the applications for Letters Patent in all countries throughout the world on this Invention and any Letters Patent to be issued from this Application, including all continuation applications, divisional applications, reissues, and re-examinations and all Letters Patent throughout the world which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of the above Application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country (including any PCT International applications), and all Letters Patent which may be granted on this Invention in any foreign country, and all extensions, renewals, divisional applications, and reissues thereof (all of Assignor's right, title, and interest referred to in this paragraph are hereinafter collectively referred to as the "Rights");

NOW THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor confirms that they have sold, assigned, transferred, and conveyed, absolutely, and by way of further assurances do hereby sell, assign, transfer, and convey absolutely to Assignee, their lawful successors and assigns, Assignor's entire right, title, and interest in and to the aforesaid Rights in existence as of the Effective Date.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States and any appropriate official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent under said Rights to Assignee, their successors and assigns, in accordance with the terms of this Assignment; and

ASSIGNOR hereby covenants that Assignor has the full right to convey the interest assigned by this Assignment, and that Assignor has not executed and will not execute any agreement in conflict with this Assignment;

AND, the aforesaid Assignment includes the Assignor's right in and to all income, royalties, damages, and payments now or hereafter due or payable with respect to any Letters Patent which may be granted, and in and to all causes of action (either in law or in equity), and the right to sue, counterclaim, and recover for past, present, and future infringement of the rights assigned or to be assigned under this Assignment, as fully and entirely as the same would have been held and enjoyed by Assignor if this sale and assignment had not been made;

PATENT REEL: 046924 FRAME: 0605

AND, nothing in this Assignment shall be construed as (i) a warranty or representation by Assignor as to the validity or scope of any Rights, (ii) a warranty or representation that anything made, used, imported, developed, promoted, offered for sale, sold, or otherwise disposed of under the Rights does not or will not infringe patents, trade secrets, or other proprietary rights of third parties; (iii) a representation or warranty of operability or that development of a commercial product is possible; (iv) any other representations or warranties, either express or implied, unless specified herein; (v) directly or indirectly operating or applying as a waiver of sovereign immunity by the laws of the state of New Jersey; or (vi) imposing any obligation or any liability on any party contrary to the laws of the state of New Jersey. ALL RIGHTS ARE ASSIGNED HEREUNDER "AS IS." ASSIGNOR DISCLAIMS AND **MAKES** NO **EXPRESS** OR **IMPLIED WARRANTIES** MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE RIGHTS.

ASSIGNOR further covenants and agrees that, upon request of Assignee, Assignor will, without further consideration, communicate with Assignee, their successors and assigns. any facts known to Assignor respecting this Invention, sign and deliver all lawful papers when called upon to do so, including Declarations, Oaths, Powers of Attorney, Assignments, and Affidavits for or in relation to this Application and any continuation applications, divisional applications, reissues, and re-examinations, and to aid Assignee, their successors and assigns, to obtain and enforce proper patent protection for this Invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by Assignee, their successors and assigns.

The undersigned hereby authorizes the firm of J.A. Lindeman & Co., PLLC to correct errors in this Assignment or to insert any further identification or other information necessary or desirable to make this Assignment suitable for recordal in any country.

IN WITNESS WHEREOF, said Assignor has hereunto set its hands.

Signature of Assignor: Date: 8/1/2018

PHARMACEUTICALS LLC

Printed Name: Mark RIDALL, President Citizen of: United States

NEWMARKET

Post Office Address:

4 Pitcairn Avenue, Suite 4, Trenton, NJ 08628

WORLDWIDE ASSIGNMENT

WHEREAS, this patent assignment (the "Assignment") is made as of August 1 2018 (the "Effective Date");

WHEREAS, NEWMARKET PHARMACEUTICALS LLC, whose post office address is 4 Pitcairn Avenue, Suite 4, Trenton, NJ 08628 ("Assignor"), possesses the right, title, and interest for and in an invention entitled PHARMACEUTICAL COMPOSITIONS FOR DIRECT SYSTEMIC INTRODUCTION ("the Invention"). The Invention is described in patent Application No. 16/117,407 (the "Application"), which was filed on August 30, 2018; and

WHEREAS, inventor Mark RIDALL ("Assignee"), whose post office address is 2 Woodlawn Lane, Pennington, NJ 08534, is desirous of acquiring Assignor's entire right, title, and interest in and to this Invention in all countries throughout the world, and in and to the applications for Letters Patent in all countries throughout the world on this Invention and any Letters Patent to be issued from this Application, including all continuation applications, divisional applications, reissues, and re-examinations and all Letters Patent throughout the world which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of the above Application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country (including any PCT International applications), and all Letters Patent which may be granted on this Invention in any foreign country, and all extensions, renewals, divisional applications, and reissues thereof (all of Assignor's right, title, and interest referred to in this paragraph are hereinafter collectively referred to as the "Rights");

NOW THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor confirms that they have sold, assigned, transferred, and conveyed, absolutely, and by way of further assurances do hereby sell, assign, transfer, and convey absolutely to Assignee, their lawful successors and assigns, Assignor's entire right, title, and interest in and to the aforesaid Rights in existence as of the Effective Date.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States and any appropriate official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent under said Rights to Assignee, their successors and assigns, in accordance with the terms of this Assignment; and

ASSIGNOR hereby covenants that Assignor has the full right to convey the interest assigned by this Assignment, and that Assignor has not executed and will not execute any agreement in conflict with this Assignment;

AND, the aforesaid Assignment includes the Assignor's right in and to all income, royalties, damages, and payments now or hereafter due or payable with respect to any Letters Patent which may be granted, and in and to all causes of action (either in law or in equity), and the right to sue, counterclaim, and recover for past, present, and future infringement of the rights assigned or to be assigned under this Assignment, as fully and entirely as the same would have been held and enjoyed by Assignor if this sale and assignment had not been made;

PATENT REEL: 046924 FRAME: 0607

AND, nothing in this Assignment shall be construed as (i) a warranty or representation by Assignor as to the validity or scope of any Rights, (ii) a warranty or representation that anything made, used, imported, developed, promoted, offered for sale, sold, or otherwise disposed of under the Rights does not or will not infringe patents, trade secrets, or other proprietary rights of third parties; (iii) a representation or warranty of operability or that development of a commercial product is possible; (iv) any other representations or warranties, either express or implied, unless specified herein; (v) directly or indirectly operating or applying as a waiver of sovereign immunity by the laws of the state of New Jersey; or (vi) imposing any obligation or any liability on any party contrary to the laws of the state of New Jersey. ALL RIGHTS ARE ASSIGNED HEREUNDER "AS IS." ASSIGNOR DISCLAIMS AND MAKES NO **EXPRESS** OR **IMPLIED WARRANTIES** MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE RIGHTS.

ASSIGNOR further covenants and agrees that, upon request of Assignee, Assignor will, without further consideration, communicate with Assignee, their successors and assigns. any facts known to Assignor respecting this Invention, sign and deliver all lawful papers when called upon to do so, including Declarations, Oaths, Powers of Attorney, Assignments, and Affidavits for or in relation to this Application and any continuation applications, divisional applications, reissues, and re-examinations, and to aid Assignee, their successors and assigns, to obtain and enforce proper patent protection for this Invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by Assignee, their successors and assigns.

The undersigned hereby authorizes the firm of J.A. Lindeman & Co., PLLC to correct errors in this Assignment or to insert any further identification or other information necessary or desirable to make this Assignment suitable for recordal in any country.

IN WITNESS WHEREOF, said Assignor has hereunto set its hands.

Signature of Assignor:

Printed Name: Mark RIDALL, President Citizen of: United States

NEWMARKET

PHARMACEUTICALS LLC

Post Office Address: 4 Pitcairn Avenue, Suite 4, Trenton, NJ 08628

> **PATENT** REEL: 046924 FRAME: 0608

RECORDED: 09/20/2018