

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4631712

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the SPELLING OF LAST NAME OF INVENTOR CHARLES ALEXANDER FREYER previously recorded on Reel 043804 Frame 0010. Assignor(s) hereby confirms the INVENTOR CHARLES ALEXANDER FREYER'S LAST NAME WAS INCORRECTLY SPELLED AS FRYER ON THE COVERSHEET..

CONVEYING PARTY DATA

Name	Execution Date
GERALDINE A. HENWOOD	10/16/2013
RANDALL J. MACK	10/16/2013
JOHN JOSEPH KOLENG, JR.	04/08/2013
CHRISTOPHER T. SHARR	10/16/2013
CHARLES ALEXANDER FREYER	10/16/2013

RECEIVING PARTY DATA

Name:	RECRO PHARMA, INC.
Street Address:	55 VALLEY STREAM PARKWAY
Internal Address:	SUITE 100
City:	MALVERN
State/Country:	PENNSYLVANIA
Postal Code:	19355

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15702319

CORRESPONDENCE DATA

Fax Number: (610)640-1965
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: 6106512277
Email: chill@stradley.com
Correspondent Name: PAUL K. LEGAARD, ESQ.
Address Line 1: 30 VALLEY STREAM PARKWAY
Address Line 2: STRADLEY RONON STEVENS & YOUNG, LLP
Address Line 4: MALVERN, PENNSYLVANIA 19355-1481

ATTORNEY DOCKET NUMBER:	189109.00411 (3135)
NAME OF SUBMITTER:	CATHERINE HILL

SIGNATURE:	/Cathy1/
DATE SIGNED:	10/09/2017
Total Attachments: 7 source=18910900411CorrectiveAsn#page1.tif source=18910900411CorrectiveAsn#page2.tif source=18910900411CorrectiveAsn#page3.tif source=18910900411CorrectiveAsn#page4.tif source=18910900411CorrectiveAsn#page5.tif source=18910900411CorrectiveAsn#page6.tif source=18910900411CorrectiveAsn#page7.tif	

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
GERALDINE A. HENWOOD	10/16/2013
RANDALL J. MACK	10/16/2013
JOHN JOSEPH KOLENG, JR.	04/08/2013
CHRISTOPHER T. SHARR	10/16/2013
CHARLES ALEXANDER FRYER	10/16/2013
RECEIVING PARTY DATA	
Name:	RECRO PHARMA, INC.
Street Address:	55 VALLEY STREAM PARKWAY
Internal Address:	SUITE 100
City:	MALVERN
State/Country:	PENNSYLVANIA
Postal Code:	19355
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15702319
CORRESPONDENCE DATA	
Fax Number:	(610)640-1965
Phone:	6106512277
Email:	chill@stradley.com
<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>	
Correspondent Name:	PAUL K. LEGAARD, ESQ.
Address Line 1:	30 VALLEY STREAM PARKWAY
Address Line 2:	STRADLEY RONON STEVENS & YOUNG, LLP
Address Line 4:	MALVERN, PENNSYLVANIA 19355-1481
ATTORNEY DOCKET NUMBER:	189109.00411 (3135)
NAME OF SUBMITTER:	CATHERINE HILL

PATENT

Signature:	/Cathy1/
Date:	10/06/2017
Total Attachments: 5 source=18910900411AsnInv-RecroPharmaInc#page1.tif source=18910900411AsnInv-RecroPharmaInc#page2.tif source=18910900411AsnInv-RecroPharmaInc#page3.tif source=18910900411AsnInv-RecroPharmaInc#page4.tif source=18910900411AsnInv-RecroPharmaInc#page5.tif	
RECEIPT INFORMATION	
EPAS ID:	PAT4630005
Receipt Date:	10/06/2017

PATENT

ASSIGNMENT

WHEREAS, we, **Geraldine A. Henwood**, of **Malvern, Pennsylvania**; **Randall J. Mack**, of **Paoli, Pennsylvania**; **John Joseph Koleng, Jr.**, of **Austin, Texas**; **Christopher T. Sharr**, of **Malvern, Pennsylvania**; and **Charles Alexander Freyer**, of **Glenside, Pennsylvania**; hereinafter referred to as the ASSIGNORS, have invented a certain invention entitled **"INTRANASAL DEXMEDETOMIDINE COMPOSITIONS AND METHODS OF USE THEREOF,"** for which we have made an application for Letters Patent of the United States, said application having been assigned Application Serial No. **13/711,407**; and

WHEREAS, **Recro Pharma, Inc.**, hereinafter referred to as the ASSIGNEE, of **55 Valley Stream Parkway, Suite 100, Malvern, Pennsylvania 19355**, a corporation of **Pennsylvania**, is desirous of acquiring our entire right, title and interest in and to the said inventions or improvements and in and to the said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries;

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) to each of us in hand paid by said ASSIGNEE, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, intending to be legally bound, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said ASSIGNEE, the entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions and renewals of and substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and assign to and authorize said ASSIGNEE, to file in our names applications for Letters Patent in all countries, the same to be held and enjoyed by said ASSIGNEE, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may

be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by us had this ASSIGNMENT, sale and transfer not been made.

AND we hereby covenant that we have full right to convey our entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent to said ASSIGNEE, its successors, assigns, nominees, or legal representatives, and each of us agrees to communicate to said ASSIGNEE or to its nominee all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said ASSIGNEE, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND 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 on applications as aforesaid, to issue to said ASSIGNEE, as assignee of our entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this ASSIGNMENT.

AND this ASSIGNMENT may be executed in multiple counterparts, each of which shall be deemed to be an original of this ASSIGNMENT. Additionally, we hereby authorize our attorneys to collect the signature pages of each executed counterpart and to attach those signature pages to a single copy of this instrument, which single copy and attached signature pages together shall constitute an original of this ASSIGNMENT.

AND if the invention requires a biological deposit, ASSIGNORS also grant to ASSIGNEE such control over any deposit made by ASSIGNORS as may be necessary to the validity of the patent rights assigned herein.

IN WITNESS WHEREOF, we have hereunto set our hands and seals.

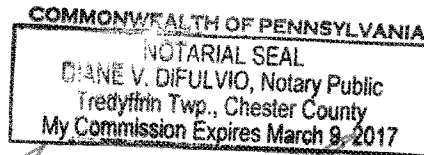
Dated: October 16, 2013 Geraldine A. Henwood
Geraldine A. Henwood

State of: Pennsylvania)
County of: Chester) ss.

On this 16th day of October, 2013, before me, the undersigned, a Notary Public for the state, personally appeared Geraldine A. Henwood, personally known to me/proved to me on the basis of satisfactory evidence to be the person who subscribed the foregoing ASSIGNMENT and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the ASSIGNMENT the person, or the entity on behalf of which the person acted, executed the ASSIGNMENT.

WITNESS my hand and official seal.

Diane V. DiFulvio
Signature of Notary



Dated: 16 OCT, 2013 Randall J. Mack
Randall J. Mack

State of: Pennsylvania)
County of: Chester) ss.

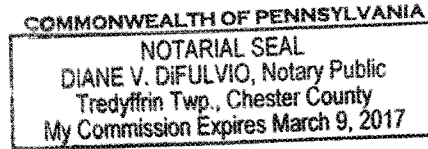
On this 16th day of October, 2013, before me, the undersigned, a Notary Public for the state, personally appeared **Randall J. Mack**, personally known to me/proved to me on the basis of satisfactory evidence to be the person who subscribed the foregoing ASSIGNMENT and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the ASSIGNMENT the person, or the entity on behalf of which the person acted, executed the ASSIGNMENT.

DOCKET NO. 137617.00401

PATENT APPLICATION
Joint Inventors - Notary

WITNESS my hand and official seal.

Diane V. DiFulvio
Signature of Notary



Dated: April 8, 2013

[Signature]
John Joseph Koleng, Jr.

State of: Tx)
County of: Williamson)

ss.

On this 8th day of April, 2013, before me, the undersigned, a Notary Public for the state, personally appeared **John Joseph Koleng, Jr.**, personally known to me/proved to me on the basis of satisfactory evidence to be the person who subscribed the foregoing ASSIGNMENT and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the ASSIGNMENT the person, or the entity on behalf of which the person acted, executed the ASSIGNMENT.

WITNESS my hand and official seal.

[Signature]
Signature of Notary



Dated: 16 Oct, 2013

[Signature]
Christopher T. Sharr

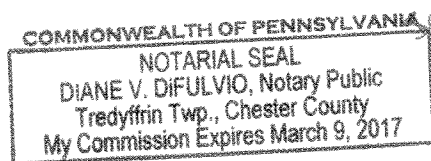
State of: Pennsylvania)
County of: Chester)

ss.

On this 16th day of October, 2013, before me, the undersigned, a Notary Public for the state, personally appeared **Christopher T. Sharr**, personally known to me/proved to me on the basis of satisfactory evidence to be the person who subscribed the foregoing ASSIGNMENT and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the ASSIGNMENT the person, or the entity on behalf of which the person acted, executed the ASSIGNMENT.

#18052429 v1

witness my hand official seal.



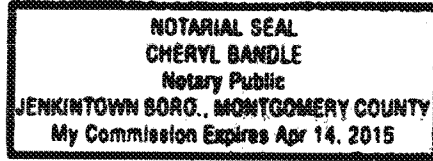
Diane V. DiFulvio

PATENT

DOCKET NO. 137617.00401

PATENT APPLICATION
Joint Inventors - Notary

WITNESS my hand and official seal.



Cheryl Bandle

Signature of Notary

Dated: October 16th, 2013

Charles Alexander Freyer

Charles Alexander Freyer

State of: Pennsylvania)
County of: Montgomery)

ss.

On this 16th day of October, 2013, before me, the undersigned, a Notary Public for the state, personally appeared **Charles Alexander Freyer**, personally known to me/proved to me on the basis of satisfactory evidence to be the person who subscribed the foregoing ASSIGNMENT and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the ASSIGNMENT the person, or the entity on behalf of which the person acted, executed the ASSIGNMENT.