

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4402709

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
NIGEL LIVERTON	11/18/2016
SCOTT D. KUDUK	11/18/2016
DOUGLAS BESHORE	11/21/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MERCK SHARP & DOHME CORP.
<b>Street Address:</b>	126 EAST LINCOLN AVENUE
<b>City:</b>	RAHWAY
<b>State/Country:</b>	NEW JERSEY
<b>Postal Code:</b>	07065
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15523252
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(732)594-4720
<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>	
<b>Phone:</b>	732-594-3904
<b>Email:</b>	virginia.finno-sorrentino@merck.com
<b>Correspondent Name:</b>	MERCK SHARP & DOHME CORP.
<b>Address Line 1:</b>	126 EAST LINCOLN AVENUE
<b>Address Line 2:</b>	RY86-2011A
<b>Address Line 4:</b>	RAHWAY, NEW JERSEY 07065
<b>ATTORNEY DOCKET NUMBER:</b>	23852
<b>NAME OF SUBMITTER:</b>	VIRGINIA M. FINNO-SORRENTINO
<b>SIGNATURE:</b>	/VIRGINIA M. FINNO-SORRENTINO/
<b>DATE SIGNED:</b>	05/08/2017
<b>Total Attachments: 6</b>	
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## WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

1	NIGEL LIVERTON	located at	HARLEYSVILLE, PA
2	SCOTT D. KUDUK	located at	HARLEYSVILLE, PA
3	DOUGLAS BESHORE	located at	LOWER GWYNEDD, PA

(hereinafter ASSIGNOR(S)), together with

3	YUNGU LUO	located at	SHANGHAI, CN
4	NA MENG	located at	SHANGHAI, CN
5	TINGTING YU	located at	SHANGHAI, CN

are the inventors of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

## PIPERIDINE ISOXAZOLE AND ISOTHIAZOLE OREXIN RECEPTOR ANTAGONISTS

and in the following application(s):

PCT International Application No.	PCT/CN2014/089933	having a filing date of	10/30/2014
PCT International Application No.	PCT/US2015/057445	having a filing date of	10/27/2015
U.S. Application No.		having a filing date of	

WHEREAS I/WE covenant that the rights and property herein conveyed are free and clear of any encumbrance, and that I/we have the full right to convey the same as herein expressed.

WHEREAS, Merck Sharp & Dohme Corp., a corporation organized under the laws of the State of New Jersey, having an office at 126 East Lincoln Avenue, Rahway, New Jersey 07065, and its successors, assigns and legal representatives (hereinafter **ASSIGNEE**), is desirous of obtaining the entire right, title and interest in, to and under the invention disclosed in said application or applications;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I/we, said ASSIGNOR(S), do each hereby sell, assign and transfer or confirm the grant and assignment to said **ASSIGNEE** my/our entire right, title and interest in all countries of the world in and to my/our invention described in said application for Patents, in and to the right to file patent applications in the name of **ASSIGNEE**, its designee, or in any or all of our names, at its election, on the aforesaid invention in all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified application for Patents under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models and under any other international arrangement relating to patents or intellectual property, in and to any and all Letters Patent that are granted from the aforesaid application for Patents, in and to any applications claiming priority benefits to a provisional patent application or other applications filed on said invention, and in and to any continuations, divisions, reexaminations, reissues, renewals and extensions thereof of any of said Letters Patent, the same to be held and enjoyed by said **ASSIGNEE**, to the full ends of the terms for which all Letters Patent therefore may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

AND I/WE HEREBY covenant and agree that we will at any time, upon the request and at the expense of **ASSIGNEE**, without further compensation or charge to said **ASSIGNEE**, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing invention, patent applications, and Letters Patent and continuations, divisions, reexaminations, reissues, renewals and extensions thereof in the name of **ASSIGNEE**, including the execution and procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of any country concerned, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein.

I/WE HEREBY authorize **ASSIGNEE** to insert in this instrument the Application Number(s) and the filing date(s) of said application for Patents when officially notified thereof.

This document may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, but all such components shall together constitute but one and the same document.

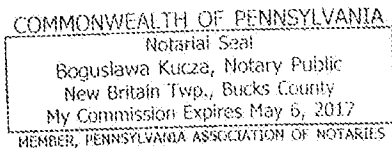
Executed this 18th day of November, 2016Nigel Liverton  
NIGEL LIVERTON

## ACKNOWLEDGEMENT

COMMONWEALTH OF PENNSYLVANIA )  
COUNTY OF Montgomery ) ss:

On this 18th day of November, 2016, personally appeared before me NIGEL LIVERTON to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he/she executed the same, of his/her own free will for the purpose set forth.

(Seal)

NOTARY SIGNATURE  
NOTARY PUBLIC (Printed Name)  
MY COMMISSION EXPIRES:Boguslawa Kucza  
BOGUSLAWA KUCZA  
MAY 6, 2017

## WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

1	NIGEL LIVERTON	located at	HARLEYSVILLE, PA
2	SCOTT D. KUDUK	located at	HARLEYSVILLE, PA
3	DOUGLAS BESHORE	located at	LOWER GWYNEDD, PA

(hereinafter ASSIGNOR(S)), together with

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NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I/we, said ASSIGNOR(S), do each hereby sell, assign and transfer or confirm the grant and assignment to said **ASSIGNEE** my/our entire right, title and interest in all countries of the world in and to my/our invention described in said application for Patents, in and to the right to file patent applications in the name of **ASSIGNEE**, its designee, or in any or all of our names, at its election, on the aforesaid invention in all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified application for Patents under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models and under any other international arrangement relating to patents or intellectual property, in and to any and all Letters Patent that are granted from the aforesaid application for Patents, in and to any applications claiming priority benefits to a provisional patent application or other applications filed on said invention, and in and to any continuations, divisions, reexaminations, reissues, renewals and extensions thereof of any of said Letters Patent, the same to be held and enjoyed by said **ASSIGNEE**, to the full ends of the terms for which all Letters Patent therefore may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

AND I/WE HEREBY covenant and agree that we will at any time, upon the request and at the expense of **ASSIGNEE**, without further compensation or charge to said **ASSIGNEE**, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing invention, patent applications, and Letters Patent and continuations, divisions, reexaminations, reissues, renewals and extensions thereof in the name of **ASSIGNEE**, including the execution and procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of any country concerned, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein.

I/WE HEREBY authorize **ASSIGNEE** to insert in this instrument the Application Number(s) and the filing date(s) of said application for Patents when officially notified thereof.

This document may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, but all such components shall together constitute but one and the same document.

Executed this 18 day of Nov 2016

SCOTT D. KUDUK  
SCOTT D. KUDUK

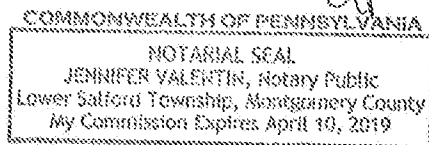
## ACKNOWLEDGEMENT

COMMONWEALTH OF PENNSYLVANIA )  
COUNTY OF Montgomery ) ss:

On this 18th day of November, 2016, personally appeared before me SCOTT D. KUDUK to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he/she executed the same, of his/her own free will for the purpose set forth.

(Seal)

NOTARY SIGNATURE Jennifer Valentin  
NOTARY PUBLIC (Printed Name) Jennifer Valentin  
MY COMMISSION EXPIRES: April 10, 2019



## WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

1	NIGEL LIVERTON	located at	HARLEYSVILLE, PA
2	SCOTT D. KUDUK	located at	HARLEYSVILLE, PA
3	DOUGLAS BESHORE	located at	LOWER GWYNEDD, PA

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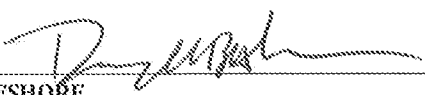
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NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I/we, said ASSIGNOR(S), do each hereby sell, assign and transfer or confirm the grant and assignment to said **ASSIGNEE** my/our entire right, title and interest in all countries of the world in and to my/our invention described in said application for Patents, in and to the right to file patent applications in the name of **ASSIGNEE**, its designee, or in any or all of our names, at its election, on the aforesaid invention in all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified application for Patents under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models and under any other international arrangement relating to patents or intellectual property, in and to any and all Letters Patent that are granted from the aforesaid application for Patents, in and to any applications claiming priority benefits to a provisional patent application or other applications filed on said invention, and in and to any continuations, divisions, reexaminations, reissues, renewals and extensions thereof of any of said Letters Patent, the same to be held and enjoyed by said **ASSIGNEE**, to the full ends of the terms for which all Letters Patent therefore may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

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Executed this 21 day of Nov 2016  
DOUGLAS BESHORE

## ACKNOWLEDGEMENT

COMMONWEALTH OF PENNSYLVANIA )  
COUNTY OF Montgomery ) ss:

On this 21 day of November, 2016, personally appeared before me DOUGLAS BESHORE to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he/she executed ~~COMMONWEALTH OF PENNSYLVANIA~~ for the purpose set forth.

(Seal)

NOTARIAL SEAL  
Ruth A. Culbreath, Notary Public  
Upper Gwynedd Twp. Montgomery County  
My Commission Expires Aug. 17, 2020  
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

NOTARY SIGNATURE  
NOTARY PUBLIC (Printed Name)  
MY COMMISSION EXPIRES:

Ruth A. Culbreath  
Ruth A Culbreath  
17-Aug-2020