# 503473648 09/10/2015

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3520273

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
ALEXANDER PASTERNAK	03/27/2014
FA-XIANG DING	03/27/2014
SHUZHI DONG	03/27/2014
HAIFENG TANG	03/27/2014
JINLONG JIANG	03/27/2014
XIN GU	03/27/2014
CANGMING YANG	04/02/2014
DIPSHIKHA BISWAS	03/24/2014

### **RECEIVING PARTY DATA**

Name:	MERCK SHARP & DOHME CORP.
Street Address:	126 EAST LINCOLN AVENUE
Internal Address:	RY87-2011A
City:	RAHWAY
State/Country:	NEW JERSEY
Postal Code:	07065

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14774390

# **CORRESPONDENCE DATA**

**Fax Number:** (732)594-4720

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.

Email: us\_efs@merck.com

Correspondent Name: MERCK

Address Line 1: P O BOX 2000

Address Line 4: RAHWAY, NEW JERSEY 07065-0907

ATTORNEY DOCKET NUMBER:	23472-US-PCT
NAME OF SUBMITTER:	MICHELLE A SISKO
SIGNATURE:	/Michelle A. Sisko/

PATENT 503473648 REEL: 036533 FRAME: 0269

DATE SIGNED:	09/10/2015
Total Attachments: 10	
source=23472-ASSIGN#page1.tif	
source=23472-ASSIGN#page2.tif	
source=23472-ASSIGN#page3.tif	
source=23472-ASSIGN#page4.tif	
source=23472-ASSIGN#page5.tif	
source=23472-ASSIGN#page6.tif	
source=23472-ASSIGN#page7.tif	
source=23472-ASSIGN#page8.tif	
source=23472-ASSIGN#page9.tif	
source=23472-ASSIGN#page10.tif	

PATENT REEL: 036533 FRAME: 0270

### **WORLDWIDE ASSIGNMENT**

#### WHEREAS, I/WE.

(1)	Alexander Pasternak,	located at Princeton, New Jersey,
(2)	Fa-Xiang Ding,	located at Staten Island, New York,
(3)	Shuzhi Dong,	located at Plainsboro, New Jersey,
(4)	Haifeng Tang,	located at Metuchen, New Jersey,
(5)	Jinlong Jiang,	located at Scotch Plains, New Jersey,
(6)	Xin Gu,	located at Scotch Plains, New Jersey,
(7)	Dipshikha Biswas,	located at Woodbridge, New Jersey,
(8)	Cangming Yang,	located at Highland Park, New Jersey,

(hereinafter ASSIGNOR(S)), is/are the inventor(s) of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

Inhibitors of The Renal Outer Medullary Potassium Channel

and/or in the following application(s):

U.S. Provisional Application No. 61/787,5	310 filed on 03/15/2013;	
U.S. Application No.	_ having a filing date of	; and
PCT International Application No.	having a filing dat	e 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.

Computer Generated Template "Assignment-Merck Sharp & Dohme. Single Assignee Worldwide" (Assignment) Merck Sharp & Dohme Corp. 11/04/2010

Executed this <u>II</u> day of <u>March</u>	, 20 <u>/4</u> .
Alex Market	
Alexander Pasternak	<del></del>
ACKNOWLEDGEMENT	
State of New Jersey	) ) s.s.:
County of Union	)
On this day of	, 20 // personally appeared before me Alexander Pasternak to me described in and who executed the foregoing instrument, and of his (her) own free will for the purpose set forth.
(2)	
(Seal)	Michille La Soskon
	MICHELLE ANN SISKO
	Notary Public of New Jersey My Commission Expires on October 24, 2017
Executed this 27 day of March	, 20 <u>14</u>
Feelorary Ding	·
Fa-Xiang Ding	<del></del>
ACKNOWLEDGEMENT	
State of New Jersey	) )s.s.:
County of Union	)
On this day of	, 20 , personally appeared before me Fa-Xiang Ding to me known, bed in and who executed the foregoing instrument, and acknowledged in free will for the purpose set forth.
(Seai)	Mille Dusko Notary Public

Executed this <u>27</u> day of <u>Marck</u>	_,20/4/
sheds &	
Shuzhi Dong	
ACKNOWLEDGEMENT	
State of New Jersey	) ) s.s.:
County of Union	)
On this 27 day of March and known by me to be the same person described that he (she) executed the same, of his (her) or	, 20/4, personally appeared before me <b>Shuzhi Dong</b> to me known, ribed in and who executed the foregoing instrument, and acknowledged wn free will for the purpose set forth.
(Seal)	Michelle L. Soulion
	MICHELLE ANN SISKO Notary Public of New Jersey My Commission Expires on October 24, 2017
	, 20 <u>14</u>
Haifehg Tang	
ACKNOWLEDGEMENT	
State of New Jersey	<b>?</b>
County of Union	) s.s.: )
On this <u>27</u> day of <u>Morch</u> and known by me to be the same person desc that he (she) executed the same, of his (her) o	, 20/x/, personally appeared before me <b>Haifeng Tang</b> to me known, ribed in and who executed the foregoing instrument, and acknowledged wn free will for the purpose set forth.
(Seal)	Mildelle Q Justo  Notary Public
	MICHELLE ANN SISKO

Public of New Jersey
My Cardin Seet Expires on October 24, 2017

Executed this 27 day of Manh	, 20 <u></u> /
Jinlong Jiang	
ACKNOWLEDGEMENT	
State of New Jersey	)
County of Union	) s.s.: )
On this 27 day of March and known by me to be the same person described the (she) executed the same, of his (her) or	, 20/4, personally appeared before me <b>Jinlong Jiang</b> to me known cribed in and who executed the foregoing instrument, and acknowledged own free will for the purpose set forth.
(Seal)	
(Sear)	Malle Notary Public
	MICHELLE ANN BISKO
	Notery Public of New Jersey My Commission Expires on October 24, 2017
Executed this 27 day of Manch	, 20/4
Xin Gu	
ACKNOWLEDGEMENT	
State of New Jersey	)
County of Union	) s.s.: )
On this 27 day of Ward-known by me to be the same person describe he (she) executed the same, of his (her) own	, 20 / , personally appeared before me <b>Xin Gu</b> to me known, and d in and who executed the foregoing instrument, and acknowledged that free will for the purpose set forth.
(Seal)	Miceelle a pesto
	Notary Public
	MICHELLE ANN SISKO

Notary Public of New Jersey My Commission Expires on October 24, 2017

Executed this day of, 2	
Dipshikha Biswas	_
ACKNOWLEDGEMENT	
of) s County of)	s.s.:
	20, personally appeared before me <b>Dipshikha Biswas</b> to m escribed in and who executed the foregoing instrument, and
(Seal)	
	Notary Public
Executed this <u>L</u> day of <u>April</u> , 2	20 <u>//</u> .
ACKNOWLEDGEMENT	
County of	20///, personally appeared before me Cangming Yang to me escribed in and who executed the foregoing instrument, and
(Seal)	Medell John Notary Public

MICHELLE ANN SISKO Notary Public of New Jersey My Commission Expires on October 24, 2017

#### WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

located at Princeton, New Jersey, (1) Alexander Pasternak, located at Staten Island, New York, (2) Fa-Xiang Ding, (3) Shuzhi Dong, located at Plainsboro, New Jersey, located at Metuchen, New Jersey, (4) Haifeng Tang, located at Scotch Plains, New Jersey. (5) Jinlong Jiang, (6) Xin Gu. located at Scotch Plains, New Jersey, located at Woodbridge. New Jersey, (7) Dipshikha Biswas. located at Highland Park, New Jersey, (8) Cangming Yang,

(hereinafter ASSIGNOR(S)), is/are the inventor(s) of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

Inhibitors of The Renal Outer Medullary Potassium Channel

and/or in the following application(s):

U.S. Provisional Application No. 61/787,5	10 filed on 03/15/2013;	
U.S. Application No.	having a filing date of	; and
PCT International Application No.	having a filing da	ate 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.

Computer Generated Template "Assignment-Merck Sharp & Dohme. Single Assignee Worldwide" (Assignment) Merck Sharp & Dohme Corp. 11/04/2010

Executed this	_day of	, 20		
Alexander Paster	nak			
ACKNOWLEDGE	MENT			
State of New Jerse	Э	) ) s.s.:		
County of Union		)		
known, and known	by me to be the	, 20, pers same person described in a ed the same, of his (her) ow	and who executed the fore	e <b>Alexander Pasternak</b> to me going instrument, and set forth.
(Seal)				
			Notary Public	
Executed this	_ day of	, 20		
Fa-Xiang Ding				
ACKNOWLEDGE	MENT			
State of New Jerse	<b>ә</b> у	)		
County of Union		) s.s.: )		
and known by me	to be the same po	, 20, pers erson described in and who f his (her) own free will for t	executed the foregoing in	e <b>Fa-Xiang Ding</b> to me known, nstrument, and acknowledged
(Seal)				
		man de de MART Aller e e	Notary Public	

Executed this day of	, 20	
Shuzhi Dong		
ACKNOWLEDGEMENT		
State of New Jersey	)	
County of Union	) s.s.: )	
and known by me to be the sam	, 20, personally appeared before me <b>Shuzhi Dong</b> to me ke person described in and who executed the foregoing instrument, and acknowle of his (her) own free will for the purpose set forth.	nown, edged
(Seal)		
	Notary Public	
Executed this day of	, 20	
Haifeng Tang		
ACKNOWLEDGEMENT		
State of New Jersey	) ) s.s.:	
County of Union	)	
and known by me to be the sam	, 20, personally appeared before me <b>Haifeng Tang</b> to me ke person described in and who executed the foregoing instrument, and acknowled of his (her) own free will for the purpose set forth.	known, ∌dged
(Seal)		
	Notary Public	

Executed this day	r of	, 20
Jinlong Jiang		
ACKNOWLEDGEMEN	т	
State of New Jersey		)
County of Union		) ) s.s.: )
and known by me to be	the same person descril	_ , 20, personally appeared before me <b>Jinlong Jiang</b> to me known bed in and who executed the foregoing instrument, and acknowledged in free will for the purpose set forth.
(Seal)		
		Notary Public
Executed this day	/ of	, 20
Xin Gu		
ACKNOWLEDGEMEN	ıΤ	
State of New Jersey		)
County of Union		) s.s.: )
known by me to be the	same person described	_ , 20, personally appeared before me <b>Xin Gu</b> to me known, and n and who executed the foregoing instrument, and acknowledged that e will for the purpose set forth.
(Seal)		
		Notary Public

Executed this 24 day of March  Dipshikha Biswas	, 20 <u>14</u> .
Dishika Bishida	
Dipshikha Biswas	
ACKNOWLEDGEMENT	<b>Y</b>
24 of MARCH, 2	914
County of Union	) S.S )
On this 24day of NOVCN known, and known by me to be the same person	, 20 / (, personally appeared before me <b>Dipshikha Biswas</b> to me described in and who executed the foregoing instrument, and of his (her) own free will for the purpose set forth.
acknowledged that he (sne) executed the same,	of his (her) own free will for the purpose set form.
(Sea) EWA CICHOSZ Notary Public	Ch C S
State of New Jersey My Commission Expires May 11, 2016	Notary Public
W) Common of the	
Executed this day of	20
ZACOGICA IIIO day or	,
Cangming Yang	
ACKNOWLEDGEMENT	
of	.)
of	) s.s.: )
known, and known by me to be the same persor	_ , 20, personally appeared before me Cangming Yang to me a described in and who executed the foregoing instrument, and of his (her) own free will for the purpose set forth.
(Seal)	
	Notary Public