#### 505683407 09/20/2019

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5730215

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
SACHIN MITTAL	02/19/2018
IRINA KAZAKEVICH	02/19/2018
HIMANSHU BHATTACHARJEE	02/19/2018
LUKE SCHENCK	02/16/2018
DAVID J. GOLDFARB	02/16/2018
AMITAVA MITRA	02/10/2018
DONNA CARROLL	02/22/2018
NAZIA KHAWAJA	02/13/2018

### **RECEIVING PARTY DATA**

Name:	MERCK SHARP & DOHME CORP.	
Street Address:	126 EAST LINCOLN AVENUE	
Internal Address:	RY86-2011A	
City:	RAHWAY	
State/Country:	NEW JERSEY	
Postal Code:	07065	

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

Property Type	Number
Application Number:	16496182

### **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 SHARP & DOHME CORP Address Line 1: 126 EAST LINCOLN AVENUE

Address Line 2: RY86-2011A

Address Line 4: RAHWAY, UNITED STATES 07065

ATTORNEY DOCKET NUMBER:	24434-US-PCT
NAME OF SUBMITTER:	MICHELLE A. SISKO

**PATENT** REEL: 050451 FRAME: 0768

505683407

**SIGNATURE:** /Michelle A. Sisko/ **DATE SIGNED:** 09/20/2019 **Total Attachments: 25** source=24434USPCT-ASSIGN-MSD#page1.tif source=24434USPCT-ASSIGN-MSD#page2.tif source=24434USPCT-ASSIGN-MSD#page3.tif source=24434USPCT-ASSIGN-MSD#page4.tif source=24434USPCT-ASSIGN-MSD#page5.tif source=24434USPCT-ASSIGN-MSD#page6.tif source=24434USPCT-ASSIGN-MSD#page7.tif source=24434USPCT-ASSIGN-MSD#page8.tif source=24434USPCT-ASSIGN-MSD#page9.tif source=24434USPCT-ASSIGN-MSD#page10.tif source=24434USPCT-ASSIGN-MSD#page11.tif source=24434USPCT-ASSIGN-MSD#page12.tif source=24434USPCT-ASSIGN-MSD#page13.tif source=24434USPCT-ASSIGN-MSD#page14.tif source=24434USPCT-ASSIGN-MSD#page15.tif source=24434USPCT-ASSIGN-MSD#page16.tif source=24434USPCT-ASSIGN-MSD#page17.tif source=24434USPCT-ASSIGN-MSD#page18.tif source=24434USPCT-ASSIGN-MSD#page19.tif source=24434USPCT-ASSIGN-MSD#page20.tif source=24434USPCT-ASSIGN-MSD#page21.tif source=24434USPCT-ASSIGN-MSD#page22.tif

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> PATENT REEL: 050451 FRAME: 0769

### **WORLDWIDE ASSIGNMENT**

WHEREAS, I/WE, (1) Sachin Mittal, located at Bridgewater, New Jersey, 08807, USA, (2) Irina Kazakevich, located at Rockaway, New Jersey, 07866, USA, (3) Himanshu Bhattacharjee, located at Princeton, New Jersey, 08540, USA, (4) Luke Schenck, located at Yardley, Pennsylvania, 19067, USA, (5) David J. Goldfarb located at Highland Park, New Jersey, 08904, USA. located at Princeton, New Jersey, 08540, USA, (6) Amitava Mitra, (7) Donna Carroll, located at Garwood, New Jersey, 07027, USA, and (8) Nazia Khawaja, located at Morris Plains, New Jersey, 08601, USA. (hereinafter ASSIGNOR(S)), together with

(nordination modification (o)), together with

(9) <u>Peter Bakker</u>, located at <u>Zeist</u>, <u>NETHERLANDS</u>.

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:

### FORMULATION FOR PARENTERAL ADMINSTRATION

and in the following application(s):

U.S. Provisional Application No. 62/476,03	34 filed on <u>March 24, 2017;</u>	
U.S. Application No.	having a filing date of	; and
PCT International 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.

Computer Generated Template "Assignment-Merck Sharp & Dohme. Multiple Assignees Worldwide" (Assignment) Merck Sharp & Dohme Corp. 07/09/2010

Executed this day of	, 20	
Sachin Mittal	<u></u>	
ACKNOWLEDGEMENT		
of County of	) s.s.:	
On this day of	, 20, personally appeared before me, <u>Sachin Mittal</u> , cribed in and who executed the foregoing instrument, and ack ee will for the purpose set forth.	to me known, and nowledged that he
(Seal)		
	Notary Public	
Executed this 11 day of <u>FONALY</u>		
ACKNOWLEDGEMENT  State of NW Tess  County of Union	(SEY) }s s.:	
On this \(\frac{\Gamma^{\frac{1}{1}}}{\text{day of } \(\frac{\Gamma_{\frac{1}{1}}\text{COAO}}{\text{day of be the same person describe}}\) (she) executed the same, of his (her) own fre-	்பு , 20 <u> ரி</u> , personally appeared before me, <u>Irina Kazakevi</u> e pedan and who executed the foregoing instrument, and acknow ee will for the purpose set forth.	<u>zh,</u> known, and wledged that he
(Seal)	Musting M. Kinelly L. Notary Public	<b>9</b>
	CHRISTINE M KANELLIDIS CHRIST	TINE M. KANELLIDIS Public of New Jacoby LD, 8 2042067 ion Expires January 9, 2019

Executed this	day of	, 20			
Himanshu Bhatta	acharjee				
ACKNOWLEDG	EMENT				
STATE of		)			
County of		) s.s.: )			
On this _	day of	, 20, pe	ersonally appea	ared before me, <u>Him</u>	anshu Bhattacharjee, to me
	vn by me to be the sama			· -	
WITNESS 1			***		
Signature					
Name	Print Name Here				
WITNESS 2		<u></u>			
Signature					

Name

Print Name Here

- Was Elmon	an (A
Executed this 1 day of 1000000	, 20 <u>. f.</u> 7
Luke Schenck	
ACKNOWLEDGEMENT	\$
2 toth of 1/1 1/10%	\$ . \$ . `
County of VAIQA	)
On this day of known by me to be the same person described in (she) executed the same, of his (her) own free wi	. 20 , personally appeared before me <u>Luke Schenck</u> to me known, and and who executed the foregoing instrument, and acknowledged that he ill for the purpose set forth.
(Seal)	Christian Mysellidis Notary Public Hynellidis
Executed this 16 day of EBB/44/54	, 20 <u>/8</u>
David Goldfarb	CHRISTINE M. KANELLIDIS
ACKNOWLEDGEMENT	Notary Public of New Jersey I.D. # 2442067 Commission Expires January 9, 2019
State of New Rises	<b>Y</b>
County of UNION	)
On this by day of the variety day of the control of	, 20 //2, personally appeared before me <u>David J. Goldfarb</u> to me known, ed in and who executed the foregoing instrument, and acknowledged that a will for the purpose set forth.
(Seal) CHRISTINE M. KANELLIDIS Proportion of New Jersey 1902-2057 Community 9, 2019	Christing My Cinelled Notary Public
	CHRISTIAL IA CHRIS
Executed this day of	, 20 Notary Public of New Jankey I.D. # 2442057 Commission Expires January 9, 2019
Amitava Mitra	
ACKNOWLEDGEMENT	
of	)
County of	) s.s.: )
On this day of known by me to be the same person described in (she) executed the same, of his (her) own free wi	, 20 personally appeared before me <u>Amitava Mitra</u> to me known, and and who executed the foregoing instrument, and acknowledged that he lill for the purpose set forth.
(Seal)	
	Notary Public

Page 4 of 5
Computer Generated Template "Assignment-Merch Sharp & Dohme, Multiple Assignees Worldwide" (Assignment) Merck Sharp & Dohme Corp., 67/09/2013

PATENT

Executed this	day of	_, 20
Donna Carroll		
ACKNOWLEDGE	EMENT	
	of	) _) s.s.:
County of		
known by me to b	day of te the same person described e same, of his (her) own free v	, 20, personally appeared before me <u>Donna Carroll</u> to me known, and in and who executed the foregoing instrument, and acknowledged that he will for the purpose set forth.
(Seal)		
		Notary Public
Executed this /	3 day of Feb	_, 20 <u>/8</u>
Nazia Khaylaja		
ACKNOWLEDGE STATE County of/	or New Jer	Se 1 }s.s./
On this _ known by me to b	13Th day of February	, 20 <u>16</u> personally appeared before me <u>Nazia Khawaja</u> to me known, and in and who executed the foregoing instrument, and acknowledged that he will for the purpose set forth.
(Seal)		Christine n. Kapellidis Notary Public
		CHRISTINE M. KANELLIDIS Notary Public of Class Jersey Communication September 2019

#### WORLDWIDE ASSIGNMENT

#### WHEREAS, I/WE.

(1)	Sachin Mittal,	located at Bridgewater, New Jersey, 08807, USA,
(2)	Irina Kazakevich,	located at Rockaway, New Jersey, 07866, USA,
(3)	Himanshu Bhattacharjee,	located at Princeton, New Jersey, 08540, USA,
	Luke Schenck,	located at Yardley, Pennsylvania, 19067, USA,
(5)	David J. Goldfarb	located at Highland Park, New Jersey, 08904, USA,
(6)	Amitava Mitra,	located at West Chester, Pennsylvania 19382, USA,
(7)	Donna Carroll,	located at Garwood, New Jersey, 07027, USA, and
(8)	Nazia N. Khawaja,	located at Morris Plains, New Jersey, 07950, USA.
	(hereinafter ASSIGNOR)	(S)) together with

(nereinafter ASSIGNOR(S)), together with

### (9) Peter Bakker, located at Nijmegen, the NETHERLANDS,

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:

### FORMULATION FOR PARENTERAL ADMINISTRATION

and in the following application(s):

U.S. Provisional Application No	. 62/476,034 filed on March 24, 2017;	
U.S. Application No.	having a filing date of	and;
PCT International Application N	o 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.

IWE 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.

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Computer Generated Template "Assignment-Merck Sharp & Dohme, Multiple Assignees Worldwide" (Assignment) Merck Sharp & Dohme Corp. 07/09/2010

PATENT REEL: 050451 FRAME: 0775

	Attorney Docket No.: 24434
Executed this day of	
Sachin Mittal	
ACKNOWLEDGEMENT	
County of	) s.s.: )
	, 20, personally appeared before me, Sachin Mittal, to me known, and scribed in and who executed the foregoing instrument, and acknowledged that he free will for the purpose set forth.
(Seal)	Notary Public
Executed this day of	. 20
Irina Kazakevich	and the second of the second o
ACKNOWLEDGEMENT	
County of	) s.s.; )
	, 20, personally appeared before me, <u>Irina Kazakevich</u> , known, and bed in and who executed the foregoing instrument, and acknowledged that he ree will for the purpose set forth.
(Seal)	Notary Public
	NOTARY PUBLIC

Page 2 of 5
Computer Generated Template "Assignment-Merck Sharp & Dohme, Multiple Assignees Worldwide" (Assignment) Merck Sharp & Dohme Corp. 07/09/2010

Executed this	day of	, 20	
Himanshu Bhat	tacharjee	manadarina na hisira nagyatha delektronen mende	
ACKNOWLEDG	EMENT		
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County of	unrandiantanappi dantaspassas y appropria silment dialaktim mithidata	) 3.3.,	
On this	day of	, 20, personally appeared befo	re me, <u>Himanshu Bhattacharjee,</u> to me
		ne person described in and who executed the	
acknowledged th	nat he (she) executed	he same, of his (her) own free will for the pur	pose set forth.
(Seal)			
		Notary Public	and the state of t
Executed this	day of	. 20	
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and the second s		unavad desilizadesta ani di anti indicidi ini minerare	
Luke Schenck			
ACKNOWLEDG	BEMENT		
	of	<b>)</b>	
County of		) s.s.:	
County or	an Company of the Com	,	
On this	day of	, 20, personally appeared befo	ore me Luke Schenck to me known, and
		escribed in and who executed the foregoing i	
		wn free will for the purpose set forth.	
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(Ocal)		Notary Public	
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Page 3 of 5
Computer Generated Template "Assignment-Merck Sharp & Dohme, Multiple Assignees Worldwide" (Assignment) Merck Sharp & Dohme Corp. 07/09/2010

Executed this	lay of	, 20	,
David J. Goldfarb		hit to definite the analysis of the second	
ACKNOWLEDGEM	ENT		
	of		
County of	of	) s.s.: )	
On this	day of	, 20	, personally appeared before me David J. Goldfarb to me known,
			nd who executed the foregoing instrument, and acknowledged that
he (she) executed the	e same, of his (her) own t	free will for	the purpose set forth.
(Seal)			
(===.)			
			Notary Public
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Amitava Mitra	oor was 1945 to go what we consider the was a subject to the subje	<del>e Stephocolo</del> nia de la maria della maria	
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. American de constitución de la	об таку, тогода воботовет по учени в тогодов.	•	
On this	day of	, 20	, personally appeared before me Amitava Mitra to me known, and
			no executed the foregoing instrument, and acknowledged that he
(she) executed the sa	ame, of his (her) own free	will for the	purpose set forth.
(Seal)			
(Ocai)			
		janen area grant	Notary Public

Page 4 of 5
Computer Generated Template "Assignment-Merck Sharp & Döhme, Multiple Assignees Worldwide" (Assignment) Merck Sharp & Dohme Corp. 07/09/2010

Executed this 22 day of February . 20	<u>18</u> .
Donna Carroll	
ACKNOWLEDGEMENT	
State of New Jersey s.s.	·2
-	, personally appeared before me <b>Donna Carroll</b> to me known, and
(she) executed the same, of his (her) own free will for	d who executed the foregoing instrument, and acknowledged that he the purpose set forth.
(Seal)	Matthew M. K. Ser. Notary Public
Executed thisday of, 20_	MATTHEW KREILEIN NOTARY PUBLIC OF NEW JERSEY Comm. # 50057950 My Commission Expires 3/31/2022
Nazia N. Khawaja	
ACKNOWLEDGEMENT	
of) s.s County of)	;
	n and who executed the foregoing instrument, and acknowledged that for the purpose set forth.
(Seal)	
	Notary Public

### **WORLDWIDE ASSIGNMENT**

#### WHEREAS, I/WE,

(1)	Sachin Mittal,	located at Bridgewater, New Jersey, 08807, USA,
(2)	Irina Kazakevich,	located at Rockaway, New Jersey, 07866, USA,
	<u>Himanshu Bhattacharjee,</u>	located at Princeton, New Jersey, 08540, USA,
	Luke Schenck,	located at Yardley, Pennsylvania, 19067, USA,
	David J. Goldfarb	located at Highland Park, New Jersey, 08904, USA,
	<u>Amitava Mitra,</u>	located at West Chester, Pennsylvania 19382, USA
	<u>Donna Carroll,</u>	located at Garwood, New Jersey, 07027, USA, and
(8)	Nazia N. Khawaja,	located at Morris Plains, New Jersey, 07950, USA.
	(hereinafter ASSIGNOR(S	S)), together with

### (9) Peter Bakker,

located at Nijmegen, the NETHERLANDS,

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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.

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Computer Generated Template "Assignment-Merck Sharp & Dohme. Multiple Assignees Worldwide" (Assignment) Merck Sharp & Dohme Corp. 07/09/2010

PATENT REEL: 050451 FRAME: 0780

	Attorney Docket No.: 24434
Executed this day of	, 20
Sachin Mittal	
ACKNOWLEDGEMENT	
of	) ) s.s.: )
On this day of known by me to be the same person(s) (she) executed the same, of his (her) or	, 20, personally appeared before me, <u>Sachin Mittal</u> , to me known, and described in and who executed the foregoing instrument, and acknowledged that he own free will for the purpose set forth.
(Seal)	
	Notary Public
Executed this day of	, 20
Irina Kazakevich	
ACKNOWLEDGEMENT	
County of	) s.s.: )
known by me to be the same person de	, 20, personally appeared before me, <u>Irina Kazakevich</u> , known, and escribed in and who executed the foregoing instrument, and acknowledged that he
(she) executed the same, of his (her) ov	vn free will for the purpose set forth.
(Seal)	
	Notary Public

Page 2 of 5
Computer Generated Template "Assignment-Merck Sharp & Dohme. Multiple Assignees Worldwide" (Assignment) Merck Sharp & Dohme Corp. 07/09/2010

Executed this day of	, 20
Himanshu Bhattacharjee	
ACKNOWLEDGEMENT	
of	) ) s.s.: )
On this day of known, and known by me to be the same pe	, 20, personally appeared before me, <u>Himanshu Bhattacharjee</u> , to me erson described in and who executed the foregoing instrument, and
acknowledged that he (she) executed the sa	ame, of his (her) own free will for the purpose set forth.
(Seal)	Notary Public
	Notally Public
Executed this day of	, 20
Luke Schenck	
ACKNOWLEDGEMENT	
of	) ) s.s.: )
	, 20, personally appeared before me <u>Luke Schenck</u> to me known, and
known by me to be the same person describ (she) executed the same, of his (her) own fre	eed in and who executed the foregoing instrument, and acknowledged that he ee will for the purpose set forth.
(Seal)	
	Notary Public

Page 3 of 5 Computer Generated Template "Assignment-Merck Sharp & Dohme. Multiple Assignees Worldwide" (Assignment) Merck Sharp & Dohme Corp. 07/09/2010

Executed this day of	, 20	
David J. Goldfarb		
ACKNOWLEDGEMENT		
of	) ) s.s.: )	
On this day of	, 20, personally appeared before me <b>David J. Goldfarb t</b> o me l	known
and known by me to be the same person des	cribed in and who executed the foregoing instrument, and acknowledge	d that
he (she) executed the same, of his (her) own		u mai
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(Seal)		
	Notary Public	
Executed this 10 Rday of FEBRUARY	_, 20 18.	
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ACKNOWLEDGEMENT		
STATE OF PENNINGLYA	Ar X	
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On this / Oday of FEBRUAN	7, 20/8, personally appeared before me Amitava Mitra to me know	n, and
known by me to be the same person describe	I in and who executed the foregoing instrument, and acknowledged that	t he
(she) executed the same, of his (her) own free	will for the purpose set forth.	
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(Seal)		
	Motary Public	
Commonwealth of Pennsylvania - Notary Seal	Motary Public	
Joseph Johnson, Notary Public Chester County		
My commission expires November 16, 2021		
Commission number 1219801 MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES		

Page 4 of 5
Computer Generated Template "Assignment-Merck Sharp & Dohme. Multiple Assignees Worldwide" (Assignment) Merck Sharp & Dohme Corp. 07/09/2010

Executed this day of	, 20
Donna Carroll	
ACKNOWLEDGEMENT	
of County of	
	, 20, personally appeared before me <u>Donna Carroll</u> to me known, and
known by me to be the same person de (she) executed the same, of his (her) ov	escribed in and who executed the foregoing instrument, and acknowledged that he wn free will for the purpose set forth.
(Seal)	
	Notary Public
Executed this day of	, 20
Nazia N. Khawaja	
ACKNOWLEDGEMENT	
of County of	) ) s.s.: )
	, 20, personally appeared before me <u>Nazia N. Khawaja</u> to me known, n described in and who executed the foregoing instrument, and acknowledged that own free will for the purpose set forth.
(Seal)	
	Notary Public

## WORLDWIDE ASSIGNMENT

	WHEREAS, I/WE,	
(1)	Sachin Mittal,	located at Bridgewater, New Jersey, 08807, USA,
(2)	Irina Kazakevich,	located at Rockaway, New Jersey, 07866, USA,
(3)	Himanshu Bhattacharjee,	located at Princeton, New Jersey, 08540, USA,
(4)	Luke Schenck,	located at Yardley, Pennsylvania, 19067, USA,
(5)	David J. Goldfarb	located at Highland Park, New Jersey, 08904, USA
(6)	Amitava Mitra,	located at Princeton, New Jersey, 08540, USA,
(7)	Donna Carroll,	located at Garwood, New Jersey, 07027, USA, and
(8)	Nazia Khawaja,	located at Morris Plains, New Jersey, 08601, USA.
• ,	/hardinafter ACCICNIOD/C	2)) togothor with

(hereinafter ASSIGNOR(S)), together with

### (9) Peter Bakker,

located at Zeist, NETHERLANDS,

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:

#### FORMULATION FOR PARENTERAL ADMINSTRATION

and in the following application(s):

U.S.	Provisional Application N	o. <u>62/476,034</u> filed on <u>March 24, 2017;</u>		
U.S.	Application No.	having a filing date of; and		
PCT	International 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.

Computer Generated Template "Assignment-Merck Sharp & Dohme. Mulliple Assignees Worldwide" (Assignment) Merck Sharp & Dohme Corp. 07/09/2010

PATENT REEL: 050451 FRAME: 0785

	Attorney Docket No.: <u>24434</u>
Executed this day of	,20
Sachin Mittal	
ACKNOWLEDGEMENT	
of	
County of	) S.S )
	, 20, personally appeared before me, <u>Sachin Mittal</u> , to me known, and described in and who executed the foregoing instrument, and acknowledged that he <i>i</i> n free will for the purpose set forth.
(Seal)	
Executed this day of	Notary Public
Irina Kazakevich	
ACKNOWLEDGEMENT	
of	) ) s.s.:
County of	)
On this day of known by me to be the same person des (she) executed the same, of his (her) ow	, 20, personally appeared before me, <u>Irina Kazakevich</u> , known, and scribed in and who executed the foregoing instrument, and acknowledged that he in free will for the purpose set forth.
(Seal)	
	Notary Public

Attorney D	ocket)	No.	24434
------------	--------	-----	-------

Executed this 19 day of February , 2018.

Himanshu Bhattacharjee

### **ACKNOWLEDGEMENT**

STATE of

Pennsylvania

County of

othermony (s.

On this 19 day of Following, 2018, personally appeared before me, Himanshu Bhattacharjee, 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.

WITNESS 1	· · · · · · · · · · · · · · · · · · ·
Signature	c.pmg~g
Name	CHANDAN BHUGKA Print Name Here

WITNESS 2	
Signature	Kerirlhu
Name	KEVIN CHU Print Name Here

Executed this day of	
Luke Schenck	
ACKNOWLEDGEMENT	
of	
County of	) s.s.: )
On this day of known by me to be the same person deso (she) executed the same, of his (her) own	, 20, personally appeared before me <u>Luke Schenck</u> to me known, and ribed in and who executed the foregoing instrument, and acknowledged that he free will for the purpose set forth.
(Seal)	
	Notary Public
Executed this day of	, 20
David Goldfarb	
ACKNOWLEDGEMENT	
of	)
of County of	) s.s.:
and known by me to be the same person on the (she) executed the same, of his (her) or	, 20, personally appeared before me <u>David J. Goldfarb</u> to me known, lescribed in and who executed the foregoing instrument, and acknowledged that wn free will for the purpose set forth.
(Seal)	
	Notary Public
Executed this day of	, 20
Amitava Mitra	
ACKNOWLEDGEMENT	
of	)
County of	) s.s.: )
On this day of known by me to be the same person desci (she) executed the same, of his (her) own	, 20, personally appeared before me <u>Amitava Mitra</u> to me known, and ibed in and who executed the foregoing instrument, and acknowledged that he free will for the purpose set forth.
(Seal)	4.
	Notary Public

Page 4 of 5
Computer Generated Template "Assignment-Merck Sharp & Dohme, Multiple Assignees Worldwide" (Assignment) Merck Sharp & Dohme Corp. 07/09/2010

On this \_\_\_\_ day of \_\_\_\_ , 20\_\_\_, personally appeared before me <u>Nazia Khawaja</u> 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)

### WORLDWIDE ASSIGNMENT

WHEREAS. IWE. located at Bridgewater, New Jersey, 08807, USA, Sachin Mittal, located at Rockaway, New Jersey, 07866, USA, Irina Kazakevich, (2) located at Princeton, New Jersey, 08540, USA, Himanshu Bhattacharjee, (3)located at Yardley, Pennsylvania, 19067, USA, Luke Schenck, (4) located at Highland Park, New Jersey, 08904, USA, David J. Goldfarb (5)located at Princeton, New Jersey, 08540, USA, Amitava Mitra, located at Garwood, New Jersey, 07027, USA, and Donna Carroll, located at Morris Plains, New Jersey, 08601, USA. Nazia Khawaja,

(hereinafter ASSIGNOR(S)), together with

(9) Peter Bakker, located at Zeist, NETHERLANDS,

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:

#### FORMULATION FOR PARENTERAL ADMINSTRATION

and in the following application(s):

U.S. Provisional Application No. 62	2/476,034 filed on March 24, 2017;	
U.S. Application No.	having a filing date of	; and
PCT International 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.

Computer Generated Template "Assignment-Merck Sharp & Dohme. Multiple Assignees Worldwide" (Assignment) Merck Sharp & Dohme Corp. 07/09/2010

Executed this 19 day of February , 2	0 <u>18</u>
Sachin Mittal	
ACKNOWLEDGEMENT  State of New Jersey  County of Union  On this 19 day of 1000 described (she) executed the same, of his (her) own free wi	in and who executed the foregoing instrument, and acknowledged that he
(Seal)	Notary Public  DINA A. KUSTER  NOTARY PUBLIC OF NEW JERSEY  My Commission Expires 8/7/2020
Executed this day of ,	
Irina Kazakevich	_
ACKNOWLEDGEMENT	
of ) County of )	s.s.:
On this day of known by me to be the same person described in (she) executed the same, of his (her) own free wil	, 20, personally appeared before me, <u>Irina Kazakevich</u> , known, and and who executed the foregoing instrument, and acknowledged that he I for the purpose set forth.
(Seal)	
	Notary Public

Executed this	day of	, 20	_·
Himanshu Bhatta	acharjee	<del></del>	
ACKNOWLEDG	EMENT		
STATE of	***	)	
County of		) s.s.: )	
On this	day of	, 20	_, personally appeared before me, <u>Himanshu Bhattacharjee,</u> to me
known, and know	wn by me to be the same pe	rson describ	bed in and who executed the foregoing instrument, and
acknowledged th	nat he (she) executed the sa	ime, of his (I	(her) own free will for the purpose set forth.
WITNESS 1	<u> </u>		
Signature		All All and	
American Control of the Control of t			
Nama			
Name	Print Name Here		and the second and th
WITNESS 2			
WITNESS 2			
Signature			
Name			
	Print Name Here		

Page 3 of 5
Computer Generated Template "Assignment-Merck Sharp & Dohme. Multiple Assignees Worldwide" (Assignment) Merck Sharp & Dohme Corp. 07/09/2010

Executed this	_ day of	, 20
Luke Schenck		
ACKNOWLEDGE		
	of	
County of		) 3.3
known by me to be	e the same person de	, 20, personally appeared before me <u>Luke Schenck</u> to me known, and scribed in and who executed the foregoing instrument, and acknowledged that he vn free will for the purpose set forth.
(Seal)		
		Notary Public
Executed this	_day of	, 20
David Goldfarb	Million Market M	
ACKNOWLEDGE	MENT	
	of	)
County of	of	) s.s.: )
On thisand known by me	day of to be the same persor	, 20, personally appeared before me <u>David J. Goldfarb</u> to me known, and described in and who executed the foregoing instrument, and acknowledged that own free will for the purpose set forth.
(Seal)		
		Notary Public
Executed this	_day of	, 20
Amitava Mitra		
ACKNOWLEDGE	MENT	
		) ) s.s.:
County of		) S.S )
On this known by me to be (she) executed the	day of the same person des same, of his (her) ow	, 20, personally appeared before me <u>Amitava Mitra</u> to me known, and scribed in and who executed the foregoing instrument, and acknowledged that he on free will for the purpose set forth.
(Seal)		
		Notary Public

Page 4 of 5
Computer Generated Template "Assignment-Merck Sharp & Dohme. Multiple Assignees Worldwide" (Assignment) Merck Sharp & Dohme Corp. 07/09/2010

Executed this day of , 2	0
Donna Carroll	
ACKNOWLEDGEMENT	
of) s	
of) s County of)	.s
On this day of, 2 known by me to be the same person described in a (she) executed the same, of his (her) own free will f	20, personally appeared before me <u>Donna Carroll</u> to me known, and nd who executed the foregoing instrument, and acknowledged that he for the purpose set forth.
(Seal)	
	Notary Public
Executed this day of , 2	0
Nazia Khawaja	
ACKNOWLEDGEMENT	
of) s. County of) s.	s.:
On this day of, 2	20, personally appeared before me <u>Nazia Khawaja</u> to me known, and who executed the foregoing instrument, and acknowledged that he or the purpose set forth.
(Seal)	
	Notary Public