# 506269939 09/24/2020

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6316686

SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT	
CONVEYING PARTY D	ΑΤΑ			
		Name	Execution Date	
MARIAN GINDY			02/18/2015	
DANILO R. CASIMIRO			02/19/2015	
ANDREW BETT			02/19/2015	
JAN H. FER MEULEN			02/23/2015	
RECEIVING PARTY DA				
Name:		MERCK SHARP & DOHME CORP.		
Street Address:	126 EAS	ST LINCOLN AVENUE		
City:	RAHWA	λΥ		
State/Country:	NEW JE	NEW JERSEY		
Postal Code:	07065			
PROPERTY NUMBERS Property Type	5 Total: 1	Number		
		<b>Number</b> 17031229		
Property Type Application Number: CORRESPONDENCE E Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1:	DATA De sent to provided,	<i>the e-mail address first; if that is unsucce</i> <i>; if that is unsuccessful, it will be sent via</i> 732-594-4488 US-DOCKET-PATENT@merck.com MERCK P O BOX 2000		
Property Type Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4:	DATA pe sent to provided	the e-mail address first; if that is unsucce ; if that is unsuccessful, it will be sent via 732-594-4488 US-DOCKET-PATENT@merck.com MERCK P O BOX 2000 RAHWAY, NEW JERSEY 07065-0907		
Property Type Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4:	DATA pe sent to provided	the e-mail address first; if that is unsucce ; if that is unsuccessful, it will be sent via 732-594-4488 US-DOCKET-PATENT@merck.com MERCK P O BOX 2000 RAHWAY, NEW JERSEY 07065-0907 23726-US-CNT		
Property Type Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4:	DATA pe sent to provided	the e-mail address first; if that is unsucce ; if that is unsuccessful, it will be sent via 732-594-4488 US-DOCKET-PATENT@merck.com MERCK P O BOX 2000 RAHWAY, NEW JERSEY 07065-0907		

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#### WORLDWIDE ASSIGNMENT

#### WHEREAS, I/WE,

(1) Marian Gindy,	located at North Wales, PA 19454,
(2) Danilo R. Casimiro,	located at Harleysville, PA 19438,
(3) Andrew Bett,	located at Lansdale, PA 19446,
(4) Jan H. ter Meulen,	located at Mercer Island, WA 98040,

(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:

#### LIPID NANOPARTICLE VACCINE ADJUVANTS AND ANTIGEN DELIVERY SYSTEMS

and/or in the following application(s):

U.S. Provisional Application No. 61/944,336 filed on 02/25/2014;

U.S. Application No. <u>15/120954</u> having a filing date of <u>08/23/2016</u>; and

PCT International Application No. PCT/US15/017007 having a filing date of 02/23/2015

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

PATENT REEL: 053875 FRAME: 0434

Executed this 18 day of Felowally, 2015 Marian Gindv

#### ACKNOWLEDGEMENT

Commonwealth of Pennsylvania

) s.s.:

County of Montgomery

On this 18 day of 42 manual, 2015, personally appeared before me Marian Gindy to me known, and known by me to be the same person(s) 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.

(SeeMMONWEALTH OF PENNSYLVANIA Notarial Seal Dorothy M. Miller, Notary Public Upper Gwynedd Twp., Montgomery County My Commission Expires May 14, 2017 MEMBER, PENNSYLVANIA ASSOCIATION OF INSTANION

Notary Public

Executed this 19 day of -Conucilut, 2015

Danilo R. Casimiro

# ACKNOWLEDGEMENT

Commonwealth of Pennsylvania

**County of Montgomery** 

On this <u>19</u> day of <u>400000</u>, 2015, personally appeared before me Danilo R. Casimiro to me known, and known by me to be the same person(s) 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.

(Seabommonwealth of pennsylvania Notarial Seal Dorothy M, Miller, Notary Public Upper Gwynedd Twp., Montgomery County My Commission Expires May 14, 2017 MEMBER, PENNSYLVANIA ASSXIATION OF NOTARIES

Notary Public

PATENT REEL: 053875 FRAME: 0435

) s.s.:

Executed this 9 day of 7dmuany, 2015

Andrew Bett

## ACKNOWLEDGEMENT

Commonwealth of Pennsylvania

) s.s.:

County of Montgomery

On this <u>I</u> day of <u>+abua</u>, 2015, personally appeared before me **Andrew Bett** to me known, and known by me to be the same person(s) 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.

(SeenMONWEALTH OF PENNSYLVANIA Notarial Seal Dorothy M. Miller, Notary Public Upper Gwynedd Twp., Montgomery County My Commission Expires May 14, 2017 MEMBER, FENNSYLVANIA ASSOCIATION OF NOTABLES

Ngtary Public

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2015

Jan H. ter Meulen

# ACKNOWLEDGEMENT

State of Washington

County of

On this \_\_\_\_\_\_ day of \_\_\_\_\_\_, 2015, personally appeared before me Jan H. ter Meulen to me known, and known by me to be the same person(s) 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.

) s.s.:

(Seal)

Notary Public

PATENT REEL: 053875 FRAME: 0436

#### WORLDWIDE ASSIGNMENT

#### WHEREAS, I/WE,

(1)	Marian Gindy,	located at North Wales, PA 19454,
(2)	Danilo R. Casimiro,	located at Harleysville, PA 19438,
ini	Androw Datt	located at Lanadala, DA 10116

(3) Andrew Bett,
(4) Jan H. ter Meulen,
Iocated at Lansdale, PA 19446,
Iocated at Mercer Island, WA 98040,

(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:

### LIPID NANOPARTICLE VACCINE ADJUVANTS AND ANTIGEN DELIVERY SYSTEMS

and/or in the following application(s):

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PCT International Application No. <u>PCT/US15/017007</u> having a filing date of <u>02/23/2015</u>.

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 \_\_\_\_\_ day of \_\_\_\_\_\_, 2015

Marian Gindy

## ACKNOWLEDGEMENT

Commonwealth of Pennsylvania ) ) s.s.:

County of Montgomery

On this \_\_\_\_\_ day of \_\_\_\_\_\_, 2015, personally appeared before me **Marian Gindy** to me known, and known by me to be the same person(s) 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 Public

Executed this \_\_\_\_\_ day of \_\_\_\_\_\_, 2015

Danilo R. Casimiro

# ACKNOWLEDGEMENT

Commonwealth of Pennsylvania ) ) s.s.:

**County of Montgomery** 

On this \_\_\_\_\_ day of \_\_\_\_\_, 2015, personally appeared before me **Danilo R. Casimiro** to me known, and known by me to be the same person(s) 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 Public

PATENT REEL: 053875 FRAME: 0438

Notary Public

PATENT REEL: 053875 FRAME: 0439

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2015

Andrew Bett

#### ACKNOWLEDGEMENT

Commonwealth of Pennsylvania )

County of Montgomery

) s.s.; }

On this \_\_\_\_\_\_ day of \_\_\_\_\_\_, 2015, personally appeared before me Andrew Bett to me known, and known by me to be the same person(s) 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)

Executed this S day of SGLAA, 2015 Jan H. ter Meulen ACKNOWLEDGEMENT State of Washington County of GLAA On this Z day of County A, 2015, personally appeared before me Jan H. ter Meulen to me known, and known by me to be the same person(s) 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 Public State of Washington LEO T NGO MY COMMISSION EXPIRES June 03, 2018	Notary Public
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Page 3 of 3 Computer Generaled Template "Assignment-Marck Sharp & Dolume, Single Assigner Worldwide" (Assignment) Marck Sharp & Dohme Corp 11/04/2010

# **RECORDED: 09/24/2020**