

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3978565

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
KENNETH L. ARRINGTON	05/29/2014
ROBERT GILFILLAN	05/29/2014
CHRISTOPHER BURGEY	05/14/2014
YONGXIN HAN	05/12/2014
MEHUL PATEL	05/14/2014
RECEIVING PARTY DATA	
Name:	MERCK SHARP & DOHME CORP.
Street Address:	126 EAST LINCOLN AVE.
Internal Address:	RY86-2011A
City:	RAHWAY
State/Country:	NEW JERSEY
Postal Code:	07065
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15012445
CORRESPONDENCE DATA	
Fax Number:	(723)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>	
Phone:	7325943809
Email:	us_efs@merck.com
Correspondent Name:	CAROL S. QUAGLIATO
Address Line 1:	126 EAST LINCOLN AVE.
Address Line 2:	RY86-2011A
Address Line 4:	RAHWAY, NEW JERSEY 07065
ATTORNEY DOCKET NUMBER:	23322-US-CNT
NAME OF SUBMITTER:	KELLY A. PANNO
SIGNATURE:	/KELLY A. PANNO/
DATE SIGNED:	07/26/2016

Total Attachments: 16

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WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

- (1) Kenneth L. Arrington, located at Lansdale, PA,
- (2) Christopher Burgey, located at Ambler, PA,
- (3) Robert Gilfillan, located at Doylestown, PA,
- (4) Yongxin Han, located at Montreal, Canada,
- (5) Mehul Patel, located at Blue Bell, PA,

(hereinafter ASSIGNOR(S)), together with Chun Sing Li, located at Shanghai, China; Yaozong Li, located at Umeå, Sweden; Yunfu Luo, located at Shanghai, China; Zhiyu Lei, located at Shanghai, China, are the inventors of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following

NON-NUCLEOSIDE REVERSE TRANSCRIPTASE INHIBITORS

and/or in the following application(s):

PCT International Application No. PCT/CN2012/001358 filed on October 8, 2012;
U.S. Application No. 14/047,515 having a filing date of October 7, 2013; and

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 29th day of May, 2014.

Kenneth L. Arrington
Kenneth L. Arrington

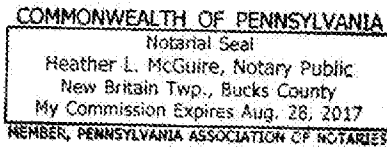
ACKNOWLEDGEMENT

Commonwealth of Pennsylvania)
County of Montgomery) s.s.:

On this 29th day of May, 2014, personally appeared before me Kenneth L. Arrington 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)

Heather L. McGuire
Notary Public



Executed this ____ day of _____, 2014.

Robert Gilfillan

ACKNOWLEDGEMENT

_____ of _____)
County of _____) s.s.:

On this ____ day of _____, 20____, personally appeared before me Robert Gilfillan 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 _____, 2014.

Yongxin Han

Witness

Personally appeared before me the above named Yongxin Han to me known, and known to me to be the person who executed the foregoing instrument and acknowledged said instrument to be his/her free act and deed this _____ day of _____, 2014.

Witness 1

Signature: _____
Print name here:

Witness 2

Signature: _____
Print name here:

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

- (1) Kenneth L. Arrington, located at Lansdale, PA,
- (2) Christopher Burgey, located at Ambler, PA,
- (3) Robert Gilfillan, located at Doylestown, PA,
- (4) Yongxin Han, located at Montreal, Canada,
- (5) Mehul Patel, located at Blue Bell, PA,

(hereinafter ASSIGNOR(S)), together with Chun Sing Li, located at Shanghai, China; Yaozong Li, located at Umeå, Sweden; Yunfu Luo, located at Shanghai, China; Zhiyu Lei, located at Shanghai, China, are the inventors of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following

NON-NUCLEOSIDE REVERSE TRANSCRIPTASE INHIBITORS

and/or in the following application(s):

PCT International Application No. PCT/CN2012/001358 filed on October 8, 2012;
U.S. Application No. 14/047,515 having a filing date of October 7, 2013; and

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 _____, 2014.

Kenneth L. Arrington

ACKNOWLEDGEMENT

_____ of _____)
County of _____) s.s.:

On this ____ day of _____, 20____, personally appeared before me **Kenneth L. Arrington** 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 29th day of May, 2014.

[Signature]

Robert Gilfillan

ACKNOWLEDGEMENT

State of Pennsylvania)
County of Bucks) s.s.:

On this 29th day of May, 2014, personally appeared before me **Robert Gilfillan** 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) COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Dell M. Kramer, Notary Public
New Britain Twp., Bucks County
My Commission Expires Sept. 23, 2017
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

[Signature]

Notary Public

Executed this ____ day of _____, 2014.

Christopher Burgey

Executed this ____ day of _____, 2014.

Mehul Patel

ACKNOWLEDGEMENT

Commonwealth of Pennsylvania)
County of Montgomery) s.s.:
)

On this ____ day of _____, 20____, personally appeared before me Christopher Burgey, and Mehul Patel 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 _____, 2014.

Yongxin Han

Witness

Personally appeared before me the above named Yongxin Han to me known, and known to me to be the person who executed the foregoing instrument and acknowledged said instrument to be his/her free act and deed this _____ day of _____, 2014.

Witness 1

Signature: _____
Print name here:

Witness 2

Signature: _____
Print name here:

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

- (1) **Kenneth L. Arrington**, located at Lansdale, PA,
- (2) **Christopher Burgey**, located at Ambler, PA,
- (3) **Robert Gilfillan**, located at Doylestown, PA,
- (4) **Yongxin Han**, located at Montreal, Canada,
- (5) **Mehul Patel**, located at Blue Bell, PA,

(hereinafter ASSIGNOR(S)), together with **Chun Sing Li**, located at Shanghai, China; **Yaozong Li**, located at Umeå, Sweden; **Yunfu Luo**, located at Shanghai, China; **Zhiyu Lei**, located at Shanghai, China, are the inventors of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following

NON-NUCLEOSIDE REVERSE TRANSCRIPTASE INHIBITORS

and/or in the following application(s):

PCT International Application No. PCT/CN2012/001358 filed on October 8, 2012;
U.S. Application No. 14/047,515 having a filing date of October 7, 2013; and

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 _____, 2014.

Kenneth L. Arrington

ACKNOWLEDGEMENT

_____ of _____)
County of _____) s.s.:

On this ____ day of _____, 20____, personally appeared before me **Kenneth L. Arrington** 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 _____, 2014.

Robert Gilfillan

ACKNOWLEDGEMENT


_____ of _____)
County of _____) s.s.:

On this ____ day of _____, 20____, personally appeared before me **Robert Gilfillan** 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 14 day of May, 2014.


Christopher Burgey

Executed this 14 day of May, 2014.


Mehul Patel

ACKNOWLEDGEMENT

Commonwealth of Pennsylvania)
County of Montgomery) s.s.:
)

On this 14 day of May, 2014, personally appeared before me Christopher Burgey, and Mehul Patel 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

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Marjorie M. Bennett, Notary Public
Upper Gwynedd Twp., Montgomery County
My Commission Expires Jan. 24, 2015
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Executed this _____ day of _____, 2014.

Yongxin Han

Witness

Personally appeared before me the above named Yongxin Han to me known, and known to me to be the person who executed the foregoing instrument and acknowledged said instrument to be his/her free act and deed this _____ day of _____, 2014.

Witness 1

Signature: _____
Print name here:

Witness 2

Signature: _____
Print name here:

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

- (1) **Kenneth L. Arrington**, located at Lansdale, PA,
- (2) **Christopher Burgey**, located at Ambler, PA,
- (3) **Robert Gilfillan**, located at Doylestown, PA,
- (4) **Yongxin Han**, located at Montreal, Canada,
- (5) **Mehul Patel**, located at Blue Bell, PA,

(hereinafter ASSIGNOR(S)), together with **Chun Sing Li**, located at Shanghai, China; **Yaozong Li**, located at Umeå, Sweden; **Yunfu Luo**, located at Shanghai, China; **Zhiyu Lei**, located at Shanghai, China, are the inventors of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following

NON-NUCLEOSIDE REVERSE TRANSCRIPTASE INHIBITORS

and/or in the following application(s):

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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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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 _____, 2014.

Kenneth L. Arrington

ACKNOWLEDGEMENT

_____ of _____)
County of _____) s.s.:
_____)

On this ____ day of _____, 20____, personally appeared before me **Kenneth L. Arrington** 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 _____, 2014.

Robert Gilfillan

ACKNOWLEDGEMENT

_____ of _____)
County of _____) s.s.:
_____)

On this ____ day of _____, 20____, personally appeared before me **Robert Gilfillan** 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 _____, 2014.

Christopher Burgey

Executed this ____ day of _____, 2014.

Mehul Patel

ACKNOWLEDGEMENT

Commonwealth of Pennsylvania)
County of Montgomery) s.s.:
)

On this ____ day of _____, 20____, personally appeared before me **Christopher Burgey**, and **Mehul Patel** 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 12 day of May, 2014.

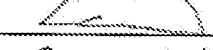


Yongxin Han


Witness

Personally appeared before me the above named Yongxin Han to me known, and known to me to be the person who executed the foregoing instrument and acknowledged said instrument to be his/her free act and deed this 12 day of May, 2014.

Witness 1

Signature: 
Print name here: Cai Li

Witness 2

Signature: 
Print name here: Jianming Bao