

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4341786

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ALEJANDRO CRESPO	09/25/2015
BYRON GABRIEL DUBOIS	09/23/2015
DEODIALSINGH GUIADEEN	09/23/2015
SHANKARAN KOTHANDARAMAN	09/23/2015
PING LIU	09/25/2015
CHRISTOPHER SINZ	09/25/2015
LIPING WANG	09/23/2015
RECEIVING PARTY DATA	
Name:	MERCK SHARP & DOHME CORP.
Street Address:	126 EAST LINCOLN AVENUE
City:	RAHWAY
State/Country:	NEW JERSEY
Postal Code:	07065
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15514536
CORRESPONDENCE DATA	
Fax Number:	(732)594-4720
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	732-594-1404
Email:	virginia.finno-sorrentino@merck.com
Correspondent Name:	MERCK SHARP & DOHME CORP.
Address Line 1:	126 EAST LINCOLN AVENUE
Address Line 2:	RY86-2011A
Address Line 4:	RAHWAY, NEW JERSEY 07065
ATTORNEY DOCKET NUMBER:	23830
NAME OF SUBMITTER:	VIRGINIA M. FINNO-SORRENTINO
SIGNATURE:	/VIRGINIA M. FINNO-SORRENTINO/
DATE SIGNED:	03/29/2017

PATENT

Total Attachments: 20

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WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

1	ALEJANDRO CRESPO	located at	EDISON, NJ
2	BYRON GABRIEL DUBOIS	located at	NEW YORK, NY
3	DEODIALSINGH GUIADEEN	located at	CHESTERFIELD, NJ
4	SHANKARAN KOTHANDARAMAN	located at	PLAIN CITY, OH
5	PING LIU	located at	WESTFIELD, NJ
6	CHRISTOPHER SINZ	located at	MIDDLETOWN, NJ
7	LIPING WANG	located at	CRANBURY, NJ

(hereinafter ASSIGNOR(S)), together with

8	JIAQIANG CAI	located at	SHANGHAI, CHINA
9	XIAOXING DU	located at	SHANGHAI, CHINA
10	WEIGUO QUAN	located at	SHANGHAI, CHINA
11	RONGQIANG LIU	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 Title of the Invention:

INHIBITORS OF HIF PROLYL HYDROXYLASE

and in the following application(s):

U.S. Provisional Application No.		having a filing date of	
PCT International Application No.	PCT/CN2014/087697	having a filing date of	SEPTEMBER 28, 2014
U.S. Application No.		having a filing date of	

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

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

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

AND I/WE HEREBY covenant and agree that we will at any time, upon the request and at the expense of ASSIGNEE, without further compensation or charge to said ASSIGNEE, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing invention, patent applications, and Letters Patent and

Executed this 25 day of September 2015

ALEJANDRO CRESPO

ACKNOWLEDGEMENT

STATE OF NEW JERSEY)

COUNTY OF Union) ss:

On this 25th day of September, 2015, personally appeared before me ALEJANDRO CRESPO 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)

Christine M. Kanellidis

Notary Public

CHRISTINE M. KANELIDIS
Notary Public of New Jersey
I.D. # 2442057
Commission Expires January 9, 2019

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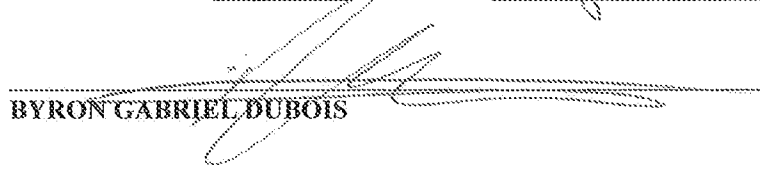
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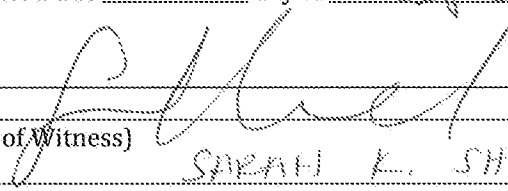
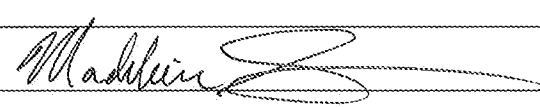
continuations, divisions, reexaminations, reissues, renewals and extensions thereof in the name of **ASSIGNEE**, including the execution and procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of 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 23rd day of September, 2015


BYRON GABRIEL DUBOIS

Witness Statement		
Personally appeared before me the above named BYRON GABRIEL DUBOIS 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 <u>23rd</u> day of <u>September</u> , 2015.		
		
Witness 1		
Signature (Signature of Witness)	<u>SARAH K. SHERWOOD</u>	<u>9/23/20</u>
Printed (Printed Name of Witness)		
Witness 2		
Signature (Signature of Witness)		<u>9/23/2015</u>
Printed (Printed Name of Witness)	<u>Madeleine Sowash</u>	

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

1	ALEJANDRO CRESPO	located at	EDISON, NJ
2	BYRON GABRIEL DUBOIS	located at	NEW YORK, NY
3	DEODIALSINGH GUIADEEN	located at	CHESTERFIELD, NJ
4	SHANKARAN KOTHANDARAMAN	located at	PLAIN CITY, OH
5	PING LIU	located at	WESTFIELD, NJ
6	CHRISTOPHER SINZ	located at	MIDDLETOWN, NJ
7	LIPING WANG	located at	CRANBURY, NJ

(hereinafter ASSIGNOR(S)), together with

8	JIAQIANG CAI	located at	SHANGHAI, CHINA
9	XIAOXING DU	located at	SHANGHAI, CHINA
10	WEIGUO QUAN	located at	SHANGHAI, CHINA
11	RONGQIANG LIU	located at	SHANGHAI, CHINA

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and in the following application(s):

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PCT International Application No.	PCT/CN2014/087697	having a filing date of	SEPTEMBER 28, 2014
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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.

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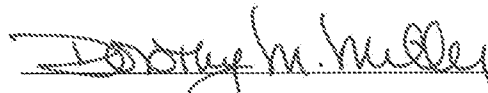
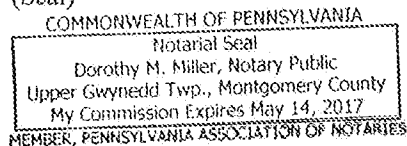
Executed this 23 day of September 2015
DEODIALSINGH GUIADEEN

ACKNOWLEDGEMENT

~~Commonwealth~~
STATE OF PENNSYLVANIA)
~~and~~) ss:
COUNTY OF Montgomery)

On this 23 day of September, 2015, personally appeared before me
DEODIALSINGH GUIADEEN to me known, and known by me to be the same person described in and who executed
the foregoing instrument, and acknowledged that he/she executed the same, of his/her own free will for the purpose set
forth.

(Seal)


Notary Public

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

1	ALEJANDRO CRESPO	located at	EDISON, NJ
2	BYRON GABRIEL DUBOIS	located at	NEW YORK, NY
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7	LIPING WANG	located at	CRANBURY, NJ

(hereinafter ASSIGNOR(S)), together with

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

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Executed this 23rd day of September 2015

[Signature]
SHANKARAN KOTHANDARAMAN

Witness Statement	
Personally appeared before me the above named SHANKARAN KOTHANDARAMAN 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 <u>23rd</u> day of <u>September</u> 2015.	
Witness 1	
Signature (Signature of Witness)	<u>[Signature]</u>
Printed (Printed Name of Witness)	HAIMING DING
Witness 2	
Signature (Signature of Witness)	<u>[Signature]</u>
Printed (Printed Name of Witness)	PAUL STODOLY

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

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9/25/2015

STATE OF NEW JERSEY)
) SS:
COUNTY OF Union)

(Seal)

Christine M. Kanelidis

Notary Public

CHRISTINE M. KANELIDIS
Notary Public of New Jersey
I.D. # 2442057
Commission Expires January 9, 2019

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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.

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


AND I/WE HEREBY covenant and agree that we will at any time, upon the request and at the expense of **ASSIGNEE**, without further compensation or charge to said **ASSIGNEE**, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing invention, patent applications, and Letters Patent and

continuations, divisions, reexaminations, reissues, renewals and extensions thereof in the name of **ASSIGNEE**, including the execution and procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of any country concerned, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein.

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

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

Executed this 25TH day of SEPTEMBER 2015

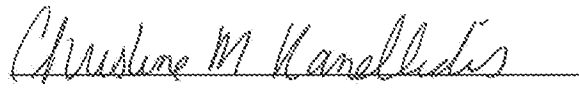

CHRISTOPHER SINZ

ACKNOWLEDGEMENT

STATE OF NEW JERSEY)
COUNTY OF Union) ss:

On this 25th day of September, 2015, personally appeared before me
CHRISTOPHER SINZ to me known, and known by me to be the same person described in and who executed the
foregoing instrument, and acknowledged that he/she executed the same, of his/her own free will for the purpose set forth.

(Seal)



Notary Public

CHRISTINE M. KANELIDIS
Notary Public of New Jersey
I.D. # 2442057
Commission Expires January 9, 2019

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

1	ALEJANDRO CRESPO	located at	EDISON, NJ
2	BYRON GABRIEL DUBOIS	located at	NEW YORK, NY
3	DEODIALSINGH GUIADEEN	located at	CHESTERFIELD, NJ
4	SHANKARAN KOTHANDARAMAN	located at	PLAIN CITY, OH
5	PING LIU	located at	WESTFIELD, NJ
6	CHRISTOPHER SINZ	located at	MIDDLETOWN, NJ
7	LIPING WANG	located at	CRANBURY, NJ

(hereinafter ASSIGNOR(S)), together with

8	JIAQIANG CAI	located at	SHANGHAI, CHINA
9	XIAOXING DU	located at	SHANGHAI, CHINA
10	WEIGUO QUAN	located at	SHANGHAI, CHINA
11	RONGQIANG LIU	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 Title of the Invention:

INHIBITORS OF HIF PROLYL HYDROXYLASE

and in the following application(s):

U.S. Provisional Application No.		having a filing date of	
PCT International Application No.	<u>PCT/CN2014/087697</u>	having a filing date of	<u>SEPTEMBER 28, 2014</u>
U.S. Application No.		having a filing date of	

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

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

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

AND I/WE HEREBY covenant and agree that we will at any time, upon the request and at the expense of ASSIGNEE, without further compensation or charge to said ASSIGNEE, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing invention, patent applications, and Letters Patent and

continuations, divisions, reexaminations, reissues, renewals and extensions thereof in the name of **ASSIGNEE**, including the execution and procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of any country concerned, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein.

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

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

Executed this 23rd day of Sept. 2015

LIPING WANG
LIPING WANG

ACKNOWLEDGEMENT

STATE OF NEW JERSEY)
COUNTY OF Middlesex) ss:

On this 23rd day of September, 2015,
personally appeared before me **LIPING WANG** 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)

Rosa Szeliga
Notary Public

