

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4735118

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MEREDITH ANN MCGOWAN	05/10/2016
HUA ZHOU	05/10/2017
JASON D. KATZ	05/10/2016
JOEY L. METHOT	05/10/2016
LIHU YANG	10/18/2016
KATHRYN ANN LIPFORD	05/25/2016
RECEIVING PARTY DATA	
Name:	MERCK SHARP & DOHME CORP.
Street Address:	126 EAST LINCOLN AVENUE
Internal Address:	RY6-2011A
City:	RAHWAY
State/Country:	NEW JERSEY
Postal Code:	07065
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15736510
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:	732-594-4488
Email:	us_efs@merck.com
Correspondent Name:	MERCK
Address Line 1:	P O BOX 2000
Address Line 4:	RAHWAY, NEW JERSEY 07065-0907
ATTORNEY DOCKET NUMBER:	24139-US-PCT
NAME OF SUBMITTER:	MICHELLE S. SISKO
SIGNATURE:	/Michelle A. Sisko/
DATE SIGNED:	12/14/2017

Total Attachments: 21

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WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

- (1) Meredith Ann McGowan, located at Boston, MA,
- (2) Hua Zhou, located at Acton, MA,
- (3) Jason D. Katz, located at Newton Highlands, MA,
- (4) Lihu Yang, located at Edison, NJ,
- (5) Joey L. Methot, located at Westwood, MA,
- (6) Kathryn Ann Lipford, located at Boston, MA,

(hereinafter ASSIGNOR(S)), together with Shimin Xu located at Beijing, China, Ning Fu located at Beijing, China, Guoquan Xu located at Beijing, China, Deqian Bian located at Beijing, China, Jianmin Fu located at Beijing, China, Yabin Li located at Beijing China, and Kin Chiu Fong 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:

PURINE INHIBITORS OF HUMAN PHOSPHATIDYLINOSITOL 3-KINASE DELTA

and/or in the following application(s):

U.S. Provisional Application No. _____ filed on _____;
U.S. Application No. _____ having a filing date of _____; and
PCT International Application No. PCT/CN2015/082673 having a filing date of 06/29/2015

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.

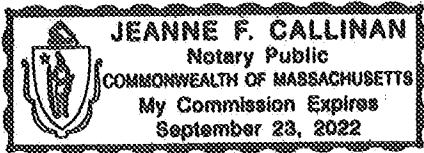
Executed this 10 day of May, 2016.

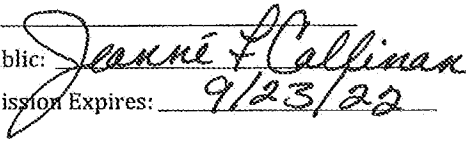

Meredith Ann McGowan

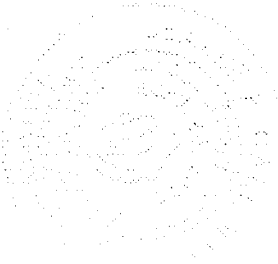
ACKNOWLEDGEMENT

Commonwealth of Massachusetts)
) s.s.:
County of Suffolk)

On this 10 day of May, 2016, before me, the undersigned notary public, personally appeared Meredith Ann McGowan proved to me through satisfactory evidence of identification, which was Merck ID to be the person whose name is signed on the preceding document, and acknowledged to me that he/she signed it voluntarily for its stated purpose.



Notary Public: 
My Commission Expires: 9/23/22



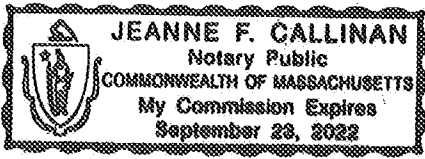
Executed this 10 day of May, 2016.

[Signature]
Hua Zhou

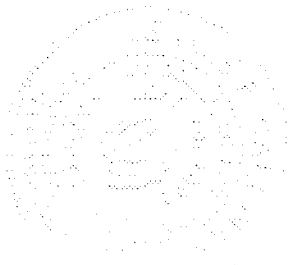
ACKNOWLEDGEMENT

Commonwealth of Massachusetts)
) s.s.:
County of Suffolk)

On this 10 day of May, 2016, before me, the undersigned notary public, personally appeared Hua Zhou proved to me through satisfactory evidence of identification, which was Merck ID, to be the person whose name is signed on the preceding document, and acknowledged to me that he/she signed it voluntarily for its stated purpose.



Notary Public: [Signature]
My Commission Expires: 9/23/22



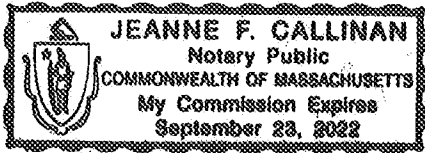
Executed this 10 day of May, 2016

Jason D. Katz
Jason D. Katz

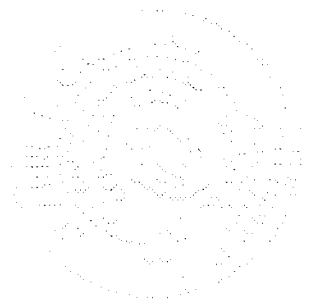
ACKNOWLEDGEMENT

Commonwealth of Massachusetts)
) s.s.:
County of Suffolk)

On this 10 day of May, 2016, before me, the undersigned notary public, personally appeared Jason D. Katz proved to me through satisfactory evidence of identification, which was Merck ID to be the person whose name is signed on the preceding document, and acknowledged to me that he/she signed it voluntarily for its stated purpose.



Notary Public: Jeanne F. Callinan
My Commission Expires: 9-23-22



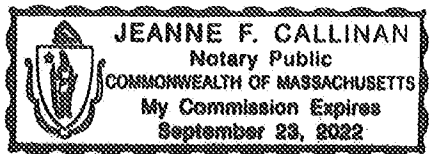
Executed this 10 day of May, 2016, 2016

Joey Methot
Joey L. Methot

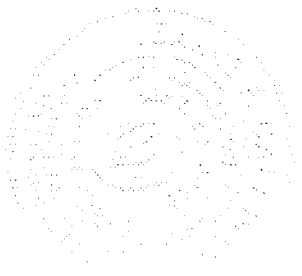
ACKNOWLEDGEMENT

Commonwealth of Massachusetts)
) s.s.:
County of Suffolk)

On this 10 day of May, 2016, before me, the undersigned notary public, personally appeared
Joey L. Methot proved to me through satisfactory evidence of identification, which was
Merck ID, to be the person whose name is signed on the preceding document, and
acknowledged to me that he/she signed it voluntarily for its stated purpose.



Notary Public: Jeanne F. Callinan
My Commission Expires: 9/23/22



WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

- (1) Meredith Ann McGowan, located at Boston, MA,
- (2) Hua Zhou, located at Acton, MA,
- (3) Jason D. Katz, located at Newton Highlands, MA,
- (4) Lihu Yang, located at Edison, NJ,
- (5) Joey L. Methot, located at Westwood, MA,
- (6) Kathryn Ann Lipford, located at Boston, MA,

(hereinafter ASSIGNOR(S)), together with Shimin Xu located at Beijing, China, Ning Fu located at Beijing, China, Guoquan Xu located at Beijing, China, Deqian Bian located at Beijing, China, Jianmin Fu located at Beijing, China, Yabin Li located at Beijing, China, and Kin Chiu Fong 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:

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and/or in the following application(s):

U.S. Provisional Application No. _____ filed on _____;
U.S. Application No. _____ having a filing date of _____; and
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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.

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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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 25 day of May, 2016.

Kathryn Ann Lipford
Kathryn Ann Lipford

ACKNOWLEDGEMENT

Commonwealth of Massachusetts)
) s.s.:
County of Suffolk)

On this 25 day of May, 2016, before me, the undersigned notary public, personally appeared Kathryn Ann Lipford proved to me through satisfactory evidence of identification, which was Correct, to be the person whose name is signed on the preceding document, and acknowledged to me that he/she signed it voluntarily for its stated purpose.

Joanna Eberhart
Notary Public: Joanna Eberhart
My Commission Expires: _____

