#### 504020176 09/23/2016

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4066834

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
HELEN MITCHELL	03/09/2015
MARK E FRALEY	03/09/2015
ANDREW J COOKE	03/09/2015
CRAIG A STUMP	03/09/2015
XU-FANG ZHANG	02/20/2015
CASEY C MCCOMAS	02/24/2015
KATHY SCHIRRIPA	03/09/2015
MELODY MCWHERTER	03/05/2015
PING LIU	03/11/2015
DANN PARKER	03/11/2015

### **RECEIVING PARTY DATA**

Name:	MERCK SHARP & DOHME CORP.
Street Address:	126 EAST LINCOLN AVE
City:	RAHWAY
State/Country:	NEW JERSEY
Postal Code:	07065

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15128782

## 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.

732-594-4488 Phone: us\_efs@merck.com Email:

**Correspondent Name: MERCK** 

Address Line 1: P O BOX 2000

Address Line 4: RAHWAY, NEW JERSEY 07065-0907

ATTORNEY DOCKET NUMBER: 23687-US-PCT

> **PATENT** REEL: 039847 FRAME: 0292

504020176

NAME OF CURNITTED	TAND/A L TORREO
NAME OF SUBMITTER:	TANYA L TORRES
SIGNATURE:	/Tanya L. Torres/
DATE SIGNED:	09/23/2016
Total Attachments: 11	
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PATENT REEL: 039847 FRAME: 0293

#### WORLDWIDE ASSIGNMENT

### WHEREAS, I/WE,

- (1) Helen Mitchell, located at Richboro, PA
- (2) Mark E. Fraley, located at North Wales, PA,
- (3) Andrew J. Cooke, located at West Point, PA
- (4) Craig A. Stump, located at West Point, PA
- (5) Xu-Fang Zhang, located at Dresher, PA,
- (6) Casey C. McComas, located at Phoenixville, PA
- (7) Kathy Schirripa, located at Quakertown, PA
- (8) Melody McWherter, Located at Boyertown, PA
- (9) Ping Liu, located at Westfield, NJ
- (10) Dann Parker, located at Cranford, NJ

(hereinafter ASSIGNOR(S)), together with Chun Sing Li, located at Shanghai, China, Qinghua Mao, 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:

TrKA Kinase Inhibitors, Compositions and Methods Thereof

and 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/CN2014/074144 having a	filing date of March 26,	2014

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.

Worldwide Assignment	23687
Executed this 5th day of March	2015.
Musely a. Markerter  Melody McWherter	_
ACKNOWLEDGEMENT	
of)	
of)	\$.\$.`
County of)	
On this day of  me known, and known by me to be the same persacknowledged that he (she) executed the same, o	20, personally appeared before me MELODY McWHERTER to on described in and who executed the foregoing instrument, and f his (her) own free will for the purpose set forth.
(Seal)	
	Notary Public

#### WORLDWIDE ASSIGNMENT

#### WHEREAS, I/WE,

- (1) Helen Mitchell, located at Richboro, PA
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Executed this <u>24</u> day of <u>Fabruss</u>, 2015

ACKNOWLEDGEMENT

County of Chester

On this 24 day of 5, personally appeared before me CASEY C. MCCOMAS 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

COMMONWEALTH OF PENNSYLVANIA

NOTARIAL SEAL

Jill Schreiber, Notary Public

Uwchlan Twp., Chester County
My Commission Expires Dec. 8, 2018
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

REEL: 039847 FRAME: 0297

#### WORLDWIDE ASSIGNMENT

## WHEREAS, I/WE,

- (1) Helen Mitchell, located at Richboro, PA
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and in the following application(s):

U.S. Provisional Application No. 1	filed on;		
U.S. Application No	having a filing date of	; and	
PCT International Application No.	PCT/CN2014/074144 having a	filing date of March 26,	2014

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Executed this 9 day of March	_, 2015.
W. In Mel	Hade Ex Land
Helen Mitchell	Mark E. Fraley
N7 lol	C - A C -
Mr and	
Andrew J. Cooke	Craig A. Stump
Markly Sur	
Kathy Schirripa	Melody McWherter Drum 3/9/15
ACKNOWLEDGEMENT	
COMMONWEALTH of PENNSYLVANIA)	
·	) s.s.:
County of MONTGOMERY_	)
Known by me to be the same person(s) describe (she) executed the same, of his (her) own  (Seal) MMONWEALTH OF PENNSYLVANIA  Notarial Seal Dorothy M. Miller, Notary Public Upper Gwynedd Twp., Montgomery County Hy Commission Expires May 14, 2017 MEMBER, PENNSYLVANIA ASSOCIATION OF HOTARIES	DONOTHY M. MILLER
Executed this day of	, 20
known by me to be the same person describe	) ) s.s.: ), 20, personally appeared before me to me known, and d 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,

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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	2015.
PING LIKE	
ACKNOWLEDGEMENT	
STATE of NEW JERSEY)	
County of UNION )	s.s.:
On thisday of,	2015, personally appeared before me PING LIU to me known, and
known by me to be the same person described in a he (she) executed the same, of his (her) own free v	and who executed the foregoing instrument, and acknowledged that will for the purpose set forth.
(Seal)	Christopa M. Kanelleck
	Notary Public

CHRISTINE M. KANELLIDIS Notary Public of New Jersey 1.D. # 2442057 Commission Expires January 9, 2019 that he (she) executed the same, of his (her) own free will for the purpose set forth. (Seal)

and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged

\_day of

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

## WORLDWIDE ASSIGNMENT

### WHEREAS, I/WE.

- (1) Helen Mitchell, located at Richboro, PA
- (2) Mark E. Fraley, located at North Wales, PA,
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Executed this 20 day of\_

**ACKNOWLEDGEMENT** 

County of MON JEON

On this 20 day of Feb, 2015, personally appeared before me XU-FANG ZHANG 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.

Notary Public

(Seal)

COMMONWEALTH OF PENNSYLVANIA

NOTARIAL SEAL Virginia D. Weber-Lederhandler, Notary Public Upper Dublin Twp., Montgomery County My Commission Expires October 3, 2016

REEL: 039847 FRAME: 0304

**RECORDED: 09/23/2016**