

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4265919

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
J. MARTIN HEROLD	12/01/2016
MICHAEL M. FRIEDMAN	12/01/2016
PHILIP COX	12/05/2016
KRISTINE E. FRANK	12/01/2016
MICHAEL Z. HOEMANN	12/01/2016
AUGUSTINE OSUMA	12/01/2016
NOEL S. WILSON	12/05/2016
XIANGDONG XU	12/01/2016
KEVIN CUSACK	12/05/2016
RAYMOND HUNTLEY	11/30/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ABBVIE INC.
<b>Street Address:</b>	1 NORTH WAUKEGAN ROAD
<b>City:</b>	NORTH CHICAGO
<b>State/Country:</b>	ILLINOIS
<b>Postal Code:</b>	60064
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15304131
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(617)607-9200
<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>	
<b>Phone:</b>	(617) 449-6523
<b>Email:</b>	docket@mccarter.com
<b>Correspondent Name:</b>	MCCARTER & ENGLISH, LLP
<b>Address Line 1:</b>	265 FRANKLIN STREET
<b>Address Line 4:</b>	BOSTON, MASSACHUSETTS 02110
<b>ATTORNEY DOCKET NUMBER:</b>	117813-71101

<b>NAME OF SUBMITTER:</b>	WEI SONG
<b>SIGNATURE:</b>	/Wei Song/
<b>DATE SIGNED:</b>	02/08/2017
<b>Total Attachments: 12</b> source=2017-02-03 ABV12031USO2 - Executed Assignment#page1.tif source=2017-02-03 ABV12031USO2 - Executed Assignment#page2.tif source=2017-02-03 ABV12031USO2 - Executed Assignment#page3.tif source=2017-02-03 ABV12031USO2 - Executed Assignment#page4.tif source=2017-02-03 ABV12031USO2 - Executed Assignment#page5.tif source=2017-02-03 ABV12031USO2 - Executed Assignment#page6.tif source=2017-02-03 ABV12031USO2 - Executed Assignment#page7.tif source=2017-02-03 ABV12031USO2 - Executed Assignment#page8.tif source=2017-02-03 ABV12031USO2 - Executed Assignment#page9.tif source=2017-02-03 ABV12031USO2 - Executed Assignment#page10.tif source=2017-02-03 ABV12031USO2 - Executed Assignment#page11.tif source=2017-02-03 ABV12031USO2 - Executed Assignment#page12.tif	

**ASSIGNMENT**

WHEREAS we,

- (1) Martin J. Herold of 2 Ryegrass Circle, Hopkinton, MA 01748.
- (2) Michael M. Friedman of 23 Goose Fair, Kennebunkport, ME 04046.
- (3) Philip Cox of 285 N Cambridge Ct., Grayslake, IL 60030.
- (4) Kristine E. Frank of 364 Gatewood Lane, Grayslake, IL 60030.
- (5) Michael Z. Hoemann of 4 Sandpiper Drive, Shrewsbury, MA 01545.
- (6) Augustine Osuma of 729 Crosswind Lane, Lindhurst, IL 60046.
- (7) Noel S. Wilson of 6934, 97<sup>th</sup> Ave., Kenosha WI, 43142.
- (8) Xiangding Xu of 4 River Oaks Circle West, Buffalo Grove, IL 60089.
- (9) Kevin Cusack of 115 Jennifer Drive, Holden, MA 01520.
- (10) Raymond Huntley of 16 Rollie Shepard Drive, Millbury, MA 01527.

hereinafter the "Assignors", have made certain new and useful inventions as described in:

United States Patent Application No. 15/304,131 filed on October 14, 2016 entitled "HETEROCYCLIC KINASE INHIBITORS" {Atty. Docket No. ABV12031USO2};

WHEREAS, AbbVie Inc., a corporation organized and existing under the laws of Delaware having a place of business at 1 North Waukegan Road, North Chicago, Illinois 60064, hereinafter the "Assignee", desires to acquire the entire right, title and interest in and to the inventions and the patent application(s) identified above, and all patents, foreign and domestic, which may be obtained for said inventions, and Assignors desire to assign such rights to AbbVie Inc., as set forth below;

NOW, THEREFORE, in exchange for valuable and legally sufficient consideration, the receipt of which is hereby acknowledged:

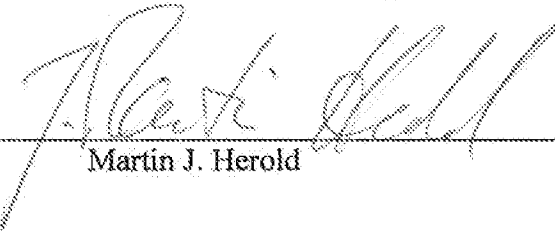
1. The Assignors have sold, conveyed, assigned and transferred, and by these presents do sell, convey, assign and transfer, to the Assignee their entire right, title and interest for the United States and all other jurisdictions in and to the inventions and the patent application(s) identified above, and any patents that may issue for said inventions, together with all patent applications, patents, utility models and designs therefore, including without limitation all continuations, divisions, renewals, revivals, reissues, reexaminations, extensions, supplementary protection certificates, and any substitute applications thereof, including the full right to claim all benefits and priority rights thereto under any applicable convention or treaty including without limitation the Paris Convention, and all rights of action arising from the foregoing, including without limitation all claims for damages by reason of present, past and future infringement or violation of the foregoing and all present, past and

future rights to sue and collect damages or seek injunctive relief for any such infringement or violation of the foregoing, in each case, to have and to hold for sole and exclusive use and benefit of the Assignee, its successors and assigns.

2. The Assignors hereby covenant and agree that Assignors have the full right to convey the interests granted by this Assignment; and that the Assignors will assist the Assignee (including prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by Assignee) in the prosecution of the patent applications identified above, in the making and prosecution of any other applications that the Assignee may elect to make covering the inventions identified above, in vesting in the Assignee with exclusive title in and to all such other patent applications and patents, in the prosecution of any interference which may arise involving said invention, or any such patent application or patent, and in assisting Assignee in the defense and enforcement of any rights arising out of such patent application or patent, or this Assignment; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

3. The terms and covenants of this Assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon the Assignors and their respective heirs, legal representatives and assigns.

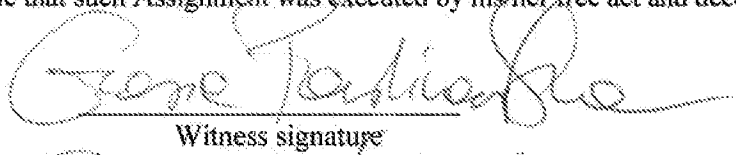
IN WITNESS WHEREOF, the Assignors have executed this Assignment.

(1)   
Martin J. Herold

12-01-2016  
Date

**ACKNOWLEDGEMENT:**

On this 1 day of December, 2016, Martin J. Herold personally appeared before me, executed the foregoing Assignment, and duly acknowledged to me that such Assignment was executed by his/her free act and deed for the uses and purposes therein expressed.

  
Witness signature

GOSIA PAWLIKOWSKA  
Witness name (please print)

(2) Michael M. Friedman  
Michael M. Friedman

12-01-16  
Date

**ACKNOWLEDGEMENT:**

On this 1st day of December, 2016, Michael M. Friedman personally appeared before me, executed the foregoing Assignment, and duly acknowledged to me that such Assignment was executed by his/her free act and deed for the uses and purposes therein expressed.

Benita A. Grant  
Witness signature

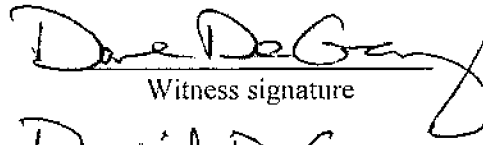
Benita A. Grant  
Witness name (please print)

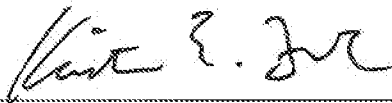
(3)   
Phil B. Cox

12/5/16  
Date

**ACKNOWLEDGEMENT:**

On this 5 day of December, 2016, Phil B. Cox personally appeared before me, executed the foregoing Assignment, and duly acknowledged to me that such Assignment was executed by his/her free act and deed for the uses and purposes therein expressed.

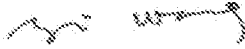
  
Witness signature  
David DeGoey  
Witness name (please print)

(4)   
Kristine E. Frank

12/1/2016  
Date

**ACKNOWLEDGEMENT:**

On this 15<sup>th</sup> day of December, 2016, Kristine E. Frank personally appeared before me, executed the foregoing Assignment, and duly acknowledged to me that such Assignment was executed by his/her free act and deed for the uses and purposes therein expressed.

  
Witness signature  
Zhi Wang  
Witness name (please print)



(5) Michael Z. Hoemann  
Michael Z. Hoemann

12/1/2016  
Date

**ACKNOWLEDGEMENT:**

On this 1 day of December, 2016, Michael Z. Hoemann personally appeared before me, executed the foregoing Assignment, and duly acknowledged to me that such Assignment was executed by his/her free act and deed for the uses and purposes therein expressed.

Gosia Pawlikowska

Witness signature

GOSIA PAWLIKOWSKA

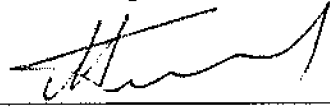
Witness name (please print)

(6) Augustine T. Osuma  
Augustine T. Osuma

12/11/2016  
Date

**ACKNOWLEDGEMENT:**

On this First day of December, 2016, Augustine T. Osuma personally appeared before me, executed the foregoing Assignment, and duly acknowledged to me that such Assignment was executed by his/her free act and deed for the uses and purposes therein expressed.



Witness signature

Marina Hlushchuk

Witness name (please print)

(7)                     *Noel S. Wilson*                      
Noel S. Wilson

                    12/15/2016                      
Date

**ACKNOWLEDGEMENT:**

On this 5<sup>th</sup> day of December, 2016, Noel S. Wilson personally appeared before me, executed the foregoing Assignment, and duly acknowledged to me that such Assignment was executed by his/her free act and deed for the uses and purposes therein expressed.

                    *Hasan Azam Khan*                      
Witness signature

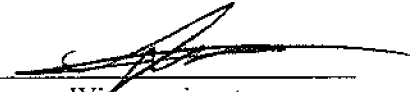
                    HASAN AZAM KHAN                      
Witness name (please print)

(8)   
Xiangdong Xu

12/1/2016  
Date

**ACKNOWLEDGEMENT:**

On this 1st day of December 2016, Xiangdong Xu personally appeared before me, executed the foregoing Assignment, and duly acknowledged to me that such Assignment was executed by his/her free act and deed for the uses and purposes therein expressed.

  
Witness signature

Le Wang  
Witness name (please print)

(9) Kevin P. Cusack  
Kevin P. Cusack

12/5/2016  
Date

**ACKNOWLEDGEMENT:**

On this 5 day of December, 2016, Kevin P. Cusack personally appeared before me, executed the foregoing Assignment, and duly acknowledged to me that such Assignment was executed by his/her free act and deed for the uses and purposes therein expressed.

Margaret Pawlikowska  
Witness signature

MARGARETA PAWLIKOWSKA  
Witness name (please print)

(10)   
Raymond Huntley

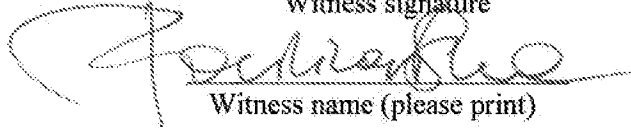
11/30/2016  
Date

**ACKNOWLEDGEMENT:**

On this 30 day of November 2016, Raymond Huntley personally appeared before me, executed the foregoing Assignment, and duly acknowledged to me that such Assignment was executed by his/her free act and deed for the uses and purposes therein expressed.



Witness signature



Witness name (please print)