

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT8044656

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
AILEEN L. PANGAN	06/06/2018
HENRIQUE D. TEIXEIRA	06/08/2018
MOHAMED-ESLAM F. MOHAMED	07/24/2018
AHMED A. OTHMAN	06/05/2018
<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>
<b>Application Number:</b>	18176651
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(857)302-6843
<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>	857 287-3100
<b>Email:</b>	Maureen.Tierney@wbd-us.com
<b>Correspondent Name:</b>	WOMBLE BOND DICKINSON (US) LLP
<b>Address Line 1:</b>	INDEPENDENCE WHARF
<b>Address Line 2:</b>	470 ATLANTIC AVENUE
<b>Address Line 4:</b>	BOSTON, MASSACHUSETTS 02210
<b>ATTORNEY DOCKET NUMBER:</b>	ABV12089USC40/42T1
<b>NAME OF SUBMITTER:</b>	MAUREEN TIERNEY
<b>SIGNATURE:</b>	/Maureen Tierney/
<b>DATE SIGNED:</b>	07/07/2023
<b>Total Attachments: 13</b>	
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source=ABV12089 Inventors to AbbVie Assignment\_039#page13.tif

**ASSIGNMENT**

WHEREAS we,

- (1) Aileen L. Pangan of 327 S. Peck Avenue, La Grange, Illinois 60525;
- (2) Henrique D. Teixeira of 14380 W. Shanklin Court, Green Oaks, IL 60048;
- (3) Ayman D. Allian of 48 Secret Hollow Lane, Newbury Park, CA 91320;
- (4) Thomas B. Borchardt of 2433 55<sup>th</sup> Avenue, Kenosha, WI 53144 ;
- (5) Jayanthi Jayanth of 915 Pine Tree Circle, Buffalo Grove, IL 60089;
- (6) Patrick J. Marroum of 9114 Blarney Stone Drive, Springfield, VA 22152;
- (7) Fredrik Lars Nordstrom of 900 Ridgebury Road, Ridgefield, CT 06877;
- (8) Ahmad Y. Sheikh of 1020 Breckenridge Avenue, Lake Forest, IL 60045;
- (9) Mohamed-Eslam F. Mohamed of 1500 Almaden Lane, Gurnee, Illinois 60031;
- (10) Ahmed A. Othman of 14615 S. Somerset Cir, Libertyville, Illinois 60048;
- (11) Peter T. Mayer of 1117 Avalon Lane, Libertyville, IL 60048.

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

United States Patent Application No. 15/954,039 filed on April 16, 2018 entitled “PROCESSES FOR THE PREPARATION OF (3S,4R)-3-ETHYL-4-(3H-IMIDAZO[1,2- $\alpha$ ]PYRROLO[2,3- $e$ ]-PYRAZIN-8-YL)-N-(2,2,2-TRIFLUOROETHYL)PYRROLIDINE-1-CARBOXAMIDE AND SOLID STATE FORMS THEREOF”{Atty. Docket No. ABV12089USP1};

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.

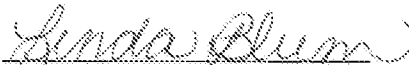
IN WITNESS WHEREOF, the Assignors have executed this Assignment.

(1)   
Aileen L. Pangan

06 JUNE 2018  
Date

**ACKNOWLEDGEMENT:**

On this 6 day of June, 2018, Aileen L. Pangan 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

Linda Blum  
Witness name (please print)

(2) Henrique D. Teixeira  
Henrique D. Teixeira

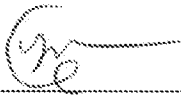
JUNE 08, 2018  
Date

**ACKNOWLEDGEMENT:**

On this 8 day of JUNE, 2018, Henrique D. Teixeira 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.

[Signature]  
Witness signature

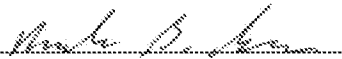
ALAN FRIEDMAN, MD  
Witness name (please print)

(3)   
Ayman D. Allian

7/26/2018  
Date

**ACKNOWLEDGEMENT:**

On this 26 day of July, 2018, Ayman D. Allian 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

Derek B. Brown  
Witness name (please print)

(4) Thomas B Borchardt  
Thomas B. Borchardt

01 AUGUST 2018  
Date


**ACKNOWLEDGEMENT:**

On this 01 day of August, 2018, Thomas B. Borchardt 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.

Lloyd Dias  
Witness signature

LLOYD DIAS  
Witness name (please print)





(5)   
Jayanthy Jayanth

5 June 2018  
Date

**ACKNOWLEDGEMENT:**

On this 5<sup>th</sup> day of June, 2018, Jayanthy Jayanth 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.

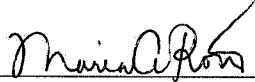
  
Witness signature  
Thin Yu Tun

(6)   
Patrick J. Marroum

06/05/2018  
Date

**ACKNOWLEDGEMENT:**

On this 5th day of June, 2018, Patrick J. Marroum 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

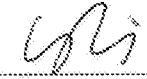
Maria A Rono  
Witness name (please print)

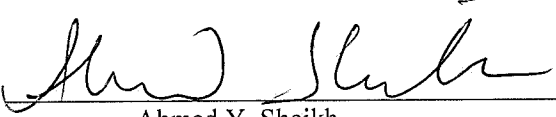
(7)   
\_\_\_\_\_  
Fredrik Lars Nordstrom

7/23/18  
\_\_\_\_\_  
Date

**ACKNOWLEDGEMENT:**

On this 23 day of July, 2018, Fredrik Lars Nordstrom 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.

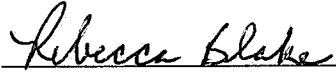
  
\_\_\_\_\_  
Witness signature  
Huayu Li  
\_\_\_\_\_  
Witness name (please print)

(8)   
Ahmad Y. Sheikh


JUNE 5<sup>th</sup>, 2018  
Date

**ACKNOWLEDGEMENT:**

On this 5<sup>th</sup> day of JUNE, 2018, Ahmad Y. Sheikh 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

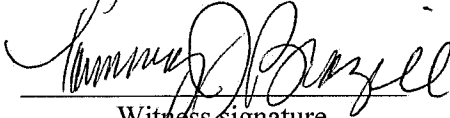
REBECCA BLAKE  
Witness name (please print)

(9)   
Mohamed-Eslam F. Mohamed

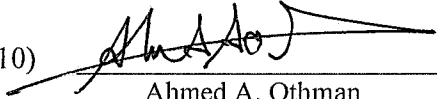
7/24/2018  
Date

**ACKNOWLEDGEMENT:**

On this 24<sup>th</sup> day of July, 2018, Mohamed-Eslam F. Mohamed 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

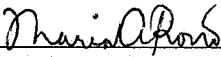
TAMMY J. BRAZILL  
Witness name (please print)

(10)   
Ahmed A. Othman

June 5, 2018  
Date

**ACKNOWLEDGEMENT:**

On this 5th day of June, 2018, Ahmed A. Othman 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

Maria A Rono  
Witness name (please print)

(11) Peter T. Mayer  
Peter T. Mayer

6 Jun 2018  
Date

**ACKNOWLEDGEMENT:**

On this 6<sup>th</sup> day of June, 2018, Peter T. Mayer 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.

[Signature]  
Witness signature  
JEFFERY LARSON  
Witness name (please print)