

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6211416

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MARINA PLIUSHCHEV	06/19/2019
JENNIFER M. FROST	06/19/2019
LAWRENCE A. BLACK	06/25/2019
XIANGDONG XU	06/19/2019
RAMZI FARAH SWEIS	05/01/2020
LEI SHI	06/24/2019
QINGWEI I. ZHANG	06/19/2019
YUNSONG TONG	06/19/2019
CHARLES W. HUTCHINS	06/26/2019
SEUNGWON CHUNG	06/26/2019
MICHAEL J. DART	05/04/2020
<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>	16098946
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(617)523-1231
<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) 570-1000
<b>Email:</b>	us-patentbos@goodwinlaw.com, ycai@goodwinlaw.com
<b>Correspondent Name:</b>	GOODWIN PROCTER LLP
<b>Address Line 1:</b>	100 NORTHERN AVENUE
<b>Address Line 2:</b>	IP DOCKETING DEPT./7TH FL
<b>Address Line 4:</b>	BOSTON, MASSACHUSETTS 02210

PATENT

<b>ATTORNEY DOCKET NUMBER:</b>	CLS-001
<b>NAME OF SUBMITTER:</b>	YINGYING CAI
<b>SIGNATURE:</b>	/Yingying Cai/
<b>DATE SIGNED:</b>	07/21/2020

**Total Attachments: 15**

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**ASSIGNMENT**

WHEREAS I/we,

1) Lawrence A. Black of Lahaina, HI (US)

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

**United States Patent Application No. 16/098,946, filed on November 5, 2018 entitled "MODULATORS OF THE INTEGRATED STRESS PATHWAY" {Atty. Docket No. ABV12386USO1};**

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;

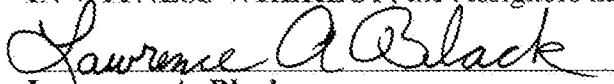
NOW, THEREFORE, in exchange for valuable and legally sufficient consideration, the receipt of which is hereby acknowledged:

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.

  
Lawrence A. Black

6/25/19  
Date

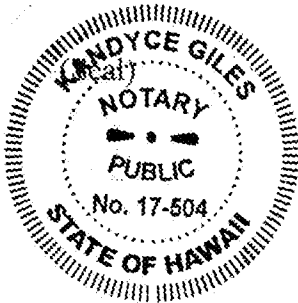
State of Hawaii  
County of Maui

On this 25<sup>th</sup> day of June, in the year 2019, before me personally appeared **Lawrence A. Black**, to me known to be the person described in and who executed the foregoing instrument known as an Assignment consisting of 2 pages and acknowledged that he/she/they executed the same as his free act and deed.

Kandyce Giles

Signature of Notary Public

Print Name: Kandyce Giles



**ASSIGNMENT**

WHEREAS we,

- 1) Marina Plushchev of Vernon Hills, IL (US)
- 2) Jennifer M. Frost of Gurnee, IL (US)
- 3) Xiangdong Xu of Buffalo Grove, IL (US)
- 4) Ramzi Farah Sweis of Lake Bluff, IL (US)
- 5) Lei Shi of Vernon Hills, IL (US)
- 6) Qingwei I. Zhang of Libertyville, IL (US)
- 7) Yunsong Tong of Libertyville, IL (US)
- 8) Charles W. Hutchins of Green Oaks, IL (US)
- 9) Seungwon Chung of Libertyville, IL (US)
- 10) Michael J. Dart of Highland Park, IL (US)

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

**United States Patent Application No. 16/098,946, filed on November 5, 2018 entitled “MODULATORS OF THE INTEGRATED STRESS PATHWAY” {Atty. Docket No. ABV12386USO1};**

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.

Marina Pliushchev

6/19/19  
Date

County of Lake.)

State of Illinois.)

On this 19<sup>th</sup> day of June, in the year 2019, before me, Deborah Kay Buff  
Notary

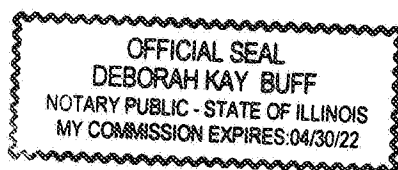
Notary Public, personally appeared **Marina Pliushchev**, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of Illinois that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature

Deborah Kay Buff  
(Notary Public)

(Seal)





IN WITNESS WHEREOF, the Assignors have executed this Assignment.

Jennifer M. Frost  
Jennifer M. Frost

June 19, 2019  
Date

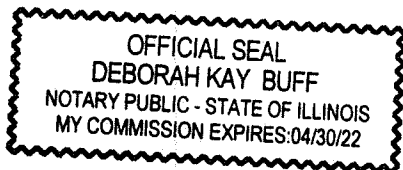
County of USA Lake,  
State of Illinois.

On this 19<sup>th</sup> day of June, in the year 2019, before me, Deborah Kay Buff  
Notary Public, personally appeared **Jennifer M. Frost**, who proved to me on the basis of  
satisfactory evidence to be the person whose name is subscribed to the within instrument, and  
acknowledged to me that he/she executed the same in his/her authorized capacity, and that by  
his/her signature on the instrument, the person or the entity upon behalf of which the person  
acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the  
State of Illinois that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Deborah Kay Buff  
(Notary Public)

(Seal)



IN WITNESS WHEREOF, the Assignors have executed this Assignment.

Xiangdong Xu

6/19/2019  
Date

County of Lake,)

State of Illinois.

On this 19<sup>th</sup> day of June, in the year 20 19, before me, Deborah Kay Buff  
Notary Public, personally appeared **Xiangdong Xu**, who proved to me on the basis of  
satisfactory evidence to be the person whose name is subscribed to the within instrument, and  
acknowledged to me that he/she executed the same in his/her authorized capacity, and that by  
his/her signature on the instrument, the person or the entity upon behalf of which the person  
acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the  
State of Illinois that the foregoing paragraph is true and correct.

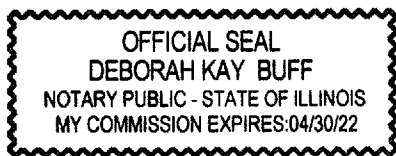
WITNESS my hand and official seal.

Signature

Deborah Kay Buff

(Notary Public)

(Seal)



IN WITNESS WHEREOF, the Assignors have executed this Assignment.

Ramzi Farah Sweis  
Ramzi Farah Sweis

May 01-2020  
Date

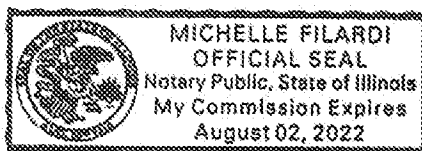
County of McHenry,  
State of Illinois.

On this 1<sup>st</sup> day of May, in the year 2020, before me, Michelle Filardi,  
Notary Public, personally appeared **Ramzi Farah Sweis**, who proved to me on the basis of  
satisfactory evidence to be the person whose name is subscribed to the within instrument, and  
acknowledged to me that he/she executed the same in his/her authorized capacity, and that by  
his/her signature on the instrument, the person or the entity upon behalf of which the person  
acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the  
State of Illinois that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Michelle Filardi  
(Notary Public)

(Seal)



IN WITNESS WHEREOF, the Assignors have executed this Assignment.

Shi  
Lei Shi

6/24/2019  
Date

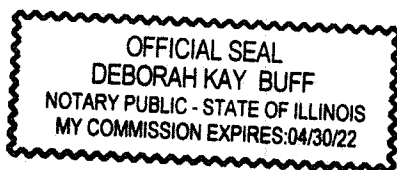
County of USA,  
State of ILLINOIS.

On this 24<sup>th</sup> day of June, in the year 2019, before me, Deborah Kay Buff  
Notary Public, personally appeared **Lei Shi**, who proved to me on the basis of satisfactory  
evidence to be the person whose name is subscribed to the within instrument, and acknowledged  
to me that he/she executed the same in his/her authorized capacity, and that by his/her signature  
on the instrument, the person or the entity upon behalf of which the person acted, executed the  
instrument. I certify under PENALTY OF PERJURY under the laws of the State of  
Illinois that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Deborah Kay Buff  
(Notary Public)

(Seal)



IN WITNESS WHEREOF, the Assignors have executed this Assignment.

Qingwei I. Zhang  
Qingwei I. Zhang

6/19/2019  
Date

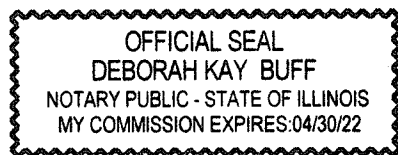
County of Lake,  
State of IL.

On this 19<sup>th</sup> day of June, in the year 2019, before me, Deborah Kay Buff  
Notary Public, personally appeared **Qingwei I. Zhang**, who proved to me on the basis of  
satisfactory evidence to be the person whose name is subscribed to the within instrument, and  
acknowledged to me that he/she executed the same in his/her authorized capacity, and that by  
his/her signature on the instrument, the person or the entity upon behalf of which the person  
acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the  
State of Illinois that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Deborah Kay Buff  
(Notary Public)

(Seal)



IN WITNESS WHEREOF, the Assignors have executed this Assignment.

  
Yunsong Tong

06/19/2019  
Date

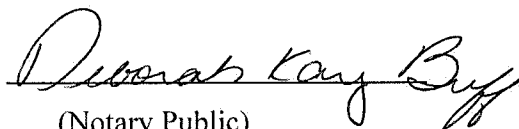
County of Lake,

State of Illinois.

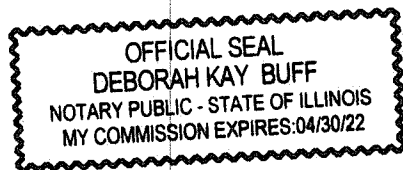
On this 19<sup>th</sup> day of June, in the year 2019, before me, Deborah Kay Buff  
Notary Public, personally appeared **Yunsong Tong**, who proved to me on the basis of  
satisfactory evidence to be the person whose name is subscribed to the within instrument, and  
acknowledged to me that he/she executed the same in his/her authorized capacity, and that by  
his/her signature on the instrument, the person or the entity upon behalf of which the person  
acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the  
State of Illinois that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature

  
(Notary Public)

(Seal)



IN WITNESS WHEREOF, the Assignors have executed this Assignment.

Charles W. Hutchins  
Charles W. Hutchins

June 26, 2019  
Date

County of Lake.)

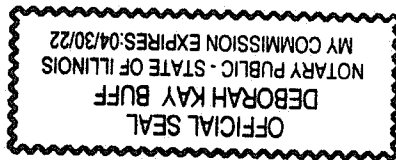
State of IL.)

On this 26<sup>th</sup> day of June, in the year 2019, before me, Deborah Kay Buff  
Charles W. Hutchins  
Notary Public, personally appeared **Charles W. Hutchins**, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of Illinois that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Deborah Kay Buff  
(Notary Public)

(Seal)



IN WITNESS WHEREOF, the Assignors have executed this Assignment.

Seungwon Chung

06/26/2019  
Date

County of Lake.)

State of Illinois.)

On this 26 day of June, in the year 2019, before me, Seungwon Chung,  
Notary Public, personally appeared Seungwon Chung, who proved to me on the basis of  
satisfactory evidence to be the person whose name is subscribed to the within instrument, and  
acknowledged to me that he/she executed the same in his/her authorized capacity, and that by  
his/her signature on the instrument, the person or the entity upon behalf of which the person  
acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the  
State of Illinois that the foregoing paragraph is true and correct.

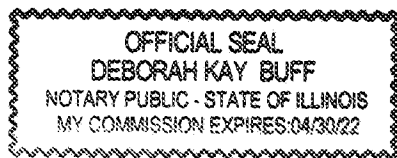
WITNESS my hand and official seal.

Signature

Deborah Kay Buff

(Notary Public)

(Seal)





IN WITNESS WHEREOF, the Assignors have executed this Assignment.

Michael J. Dart  
Michael J. Dart

5/4/2020  
Date

County of McHenry)  
State of Illinois)

On this 4<sup>th</sup> day of May, in the year 2020, before me, Michelle Filardi,  
Notary Public, personally appeared **Michael J. Dart**, who proved to me on the basis of  
satisfactory evidence to be the person whose name is subscribed to the within instrument, and  
acknowledged to me that he/she executed the same in his/her authorized capacity, and that by  
his/her signature on the instrument, the person or the entity upon behalf of which the person  
acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the  
State of Illinois that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Michelle Filardi  
(Notary Public)

(Seal)

