

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5951737

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HUA ZHOU	01/27/2020
XAVIER FRADERA	01/27/2020
YONGXIN HAN	01/27/2020
MEREDETH A MCGOWAN	01/27/2020
NUNZIO SCIAMMETTA	01/27/2020
CATHERINE WHITE	01/27/2020
WENSHENG YU	02/03/2020
RECEIVING PARTY DATA	
Name:	MERCK SHARP & DOHME CORP.
Street Address:	126 EAST LINCOLN AVENUE
Internal Address:	RY86-2011A
City:	RAHWAY
State/Country:	NEW JERSEY
Postal Code:	07065
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16631192
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:	7325947338
Email:	US_EFS@MERCK.COM
Correspondent Name:	MERCK SHARP & DOHME CORP.
Address Line 1:	126 EAST LINCOLN AVENUE
Address Line 2:	RY86-2011A
Address Line 4:	RAHWAY, NEW JERSEY 07065
ATTORNEY DOCKET NUMBER:	24491-US-PCT
NAME OF SUBMITTER:	EMILY LANG
SIGNATURE:	/EMILY LANG/

PATENT

DATE SIGNED:

02/07/2020

Total Attachments: 17

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WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

- (1) Hua Zhou, located at Acton, MA
- (2) Xavier Fradera, located at Brookline, MA
- (3) Yongxin Han, located at Needham, MA
- (4) Meredith A. McGowan, located at Boston, MA
- (5) Nunzio Sciammetta, located at Sudbury, MA
- (6) Catherine White, located at Newton Center, MA
- (7) Wensheng Yu, located at Edison, NJ

(hereinafter ASSIGNOR(S)), is/are the inventor(s) of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

NOVEL SUBSTITUTED PYRIDINYL COMPOUNDS AS INDOLEAMINE 2,3-DIOXYGENASE (IDO) INHIBITORS

and/or in the following application(s):

U.S. Provisional Application No. 62/540,318 filed on August 2, 2017 ;
U.S. Application No. 16/631,192 having a filing date of January 15, 2020 ; and
PCT International Application No. PCT/US2018/044274 having a filing date of July 30, 2018

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;

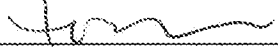
NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I/we, said ASSIGNOR(S), do each hereby sell, assign and transfer or confirm the grant and assignment to said **ASSIGNEE** my/our entire right, title and interest in all countries of the world in and to my/our 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 27 day of Jan, 2020.



Hua Zhou

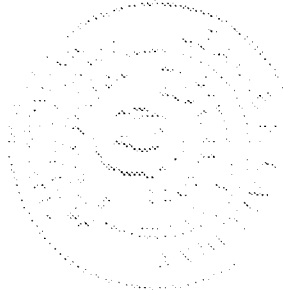
ACKNOWLEDGEMENT

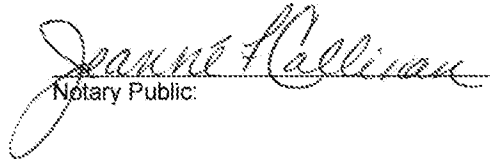
Commonwealth of Massachusetts

County of Suffolk

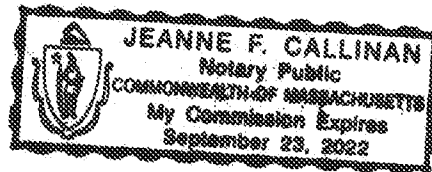
On this 27th day of January, 2020, before me, the undersigned notary public, personally appeared Hua Zhou, proved to me through satisfactory evidence of identification, which was Merck ID, to be the person whose name is signed on the preceding document, and acknowledged to me that he/she signed it voluntarily for its stated purpose.

(Seal)

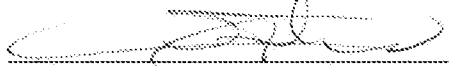




Notary Public:



Executed this 27 day of January 2020.

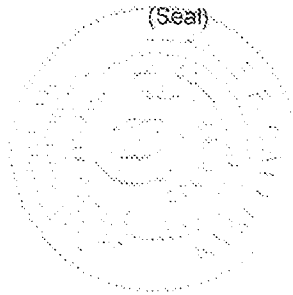

Xavier Fradera

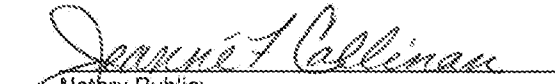
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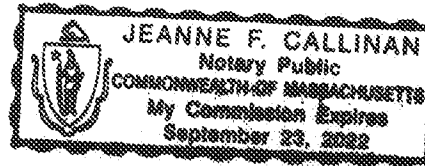
Commonwealth of Massachusetts

County of Suffolk

On this 27th day of January, 2020, before me, the undersigned notary public, personally appeared Xavier Fradera, 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:



Executed this 27th day of Jan, 2020.

[Signature]
Yongxin Han

ACKNOWLEDGEMENT

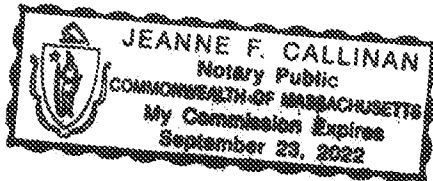
Commonwealth of Massachusetts

County of Suffolk

On this 27th day of January, 2020, before me, the undersigned notary public, personally appeared Yongxin Han, 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.

(Seal)

[Signature]
Notary Public:



Executed this 27 day of January, 2020.

Meredith A. McGowan
Meredith A. McGowan

ACKNOWLEDGEMENT

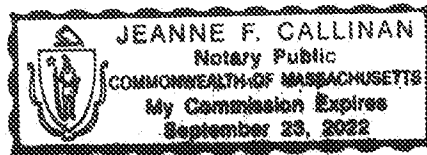
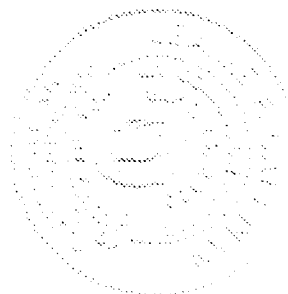
Commonwealth of Massachusetts

County of Suffolk

On this 27th day of January, 2020, before me, the undersigned notary public, personally appeared Meredith A. 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.

(Seal)

Jeanne F. Callinan
Notary Public:



Executed this 27 day of January, 2020.

N. Sciammetta
Nunzio Sciammetta

ACKNOWLEDGEMENT

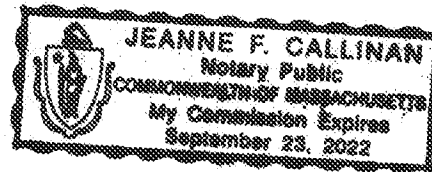
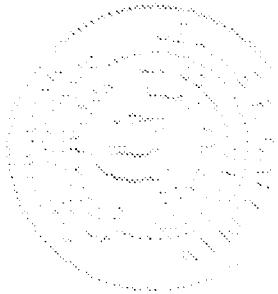
Commonwealth of Massachusetts

County of Suffolk

On this 27th day of January, 2020, before me, the undersigned notary public, personally appeared Nunzio Sciammetta, 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.

(Seal)

Jeanne F. Callinan
Notary Public.



Executed this 27 day of January, 2020.

Catherine White
Catherine White

ACKNOWLEDGEMENT

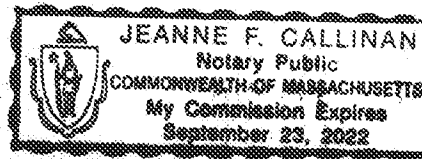
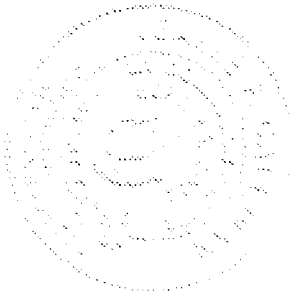
Commonwealth of Massachusetts

County of Suffolk

On this 27th day of January, 2020, before me, the undersigned notary public, personally appeared Catherine White, 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.

(Seal)

Jeanne F. Callinan
Notary Public:



Executed this ____ day of _____, 2020

ACKNOWLEDGEMENT

Personally appeared before me the above named _____ to me known and known to me to be the person who executed the foregoing instrument in my presence and acknowledged said instrument to be his/her free act and deed this ____ day of _____, 2020.

Witness 1:

Witness 2:

Signature: _____

Signature: _____

Name: _____

Name: _____

Date: _____

Date: _____

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

- (1) Hua Zhou, located at Acton, MA
- (2) Xavier Fradera, located at Brookline, MA
- (3) Yongxin Han, located at Needham, MA
- (4) Meredith A. McGowan, located at Boston, MA
- (5) Nunzio Sciammetta, located at Sudbury, MA
- (6) Catherine White, located at Newton Center, MA
- (7) Wensheng Yu, located at Edison, NJ

(hereinafter ASSIGNOR(S)), is/are the inventor(s) of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

NOVEL SUBSTITUTED PYRIDINYL COMPOUNDS AS INDOLEAMINE 2,3-DIOXYGENASE (IDO) INHIBITORS

and/or in the following application(s):

U.S. Provisional Application No. 62/540,318 filed on August 2, 2017 ;
U.S. Application No. 16/631,192 having a filing date of January 15, 2020 ; and
PCT International Application No. PCT/US2018/044274 having a filing date of July 30, 2018

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 ____ day of _____, 2020.

Hua Zhou

ACKNOWLEDGEMENT

Commonwealth of Massachusetts

County of Suffolk

On this ____ day of _____, 2020, before me, the undersigned notary public, personally appeared Hua Zhou, proved to me through satisfactory evidence of identification, which was _____, 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.

(Seal)

Notary Public:

Executed this ____ day of _____, 2020.

Xavier Fradera

ACKNOWLEDGEMENT

Commonwealth of Massachusetts

County of Suffolk

On this ____ day of _____, 2020, before me, the undersigned notary public, personally appeared Xavier Fradera, proved to me through satisfactory evidence of identification, which was _____, 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.

(Seal)

Notary Public:

Executed this ____ day of _____, 2020.

Yongxin Han

ACKNOWLEDGEMENT

Commonwealth of Massachusetts

County of Suffolk

On this ____ day of _____, 2020, before me, the undersigned notary public, personally appeared Yongxin Han, proved to me through satisfactory evidence of identification, which was _____, 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.

(Seal)

Notary Public:

Executed this ____ day of _____, 2020.

Meredeth A. McGowan

ACKNOWLEDGEMENT

Commonwealth of Massachusetts

County of Suffolk

On this ____ day of _____, 2020, before me, the undersigned notary public, personally appeared Meredith A. McGowan, proved to me through satisfactory evidence of identification, which was _____, 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.

(Seal)

Notary Public:

Executed this ____ day of _____, 2020.

Nunzio Sciammetta

ACKNOWLEDGEMENT

Commonwealth of Massachusetts

County of Suffolk

On this ____ day of _____, 2020, before me, the undersigned notary public, personally appeared Nunzio Sciammetta, proved to me through satisfactory evidence of identification, which was _____, 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.

(Seal)

Notary Public:

Executed this ____ day of _____, 2020.

Catherine White

ACKNOWLEDGEMENT

Commonwealth of Massachusetts

County of Suffolk

On this ____ day of _____, 2020, before me, the undersigned notary public, personally appeared Catherine White, proved to me through satisfactory evidence of identification, which was _____, 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.

(Seal)

Notary Public:

Executed this 3rd day of Feb., 2020

Wensteng Ku

ACKNOWLEDGEMENT

Personally appeared before me the above named Wensteng Ku to me known and known to me to be the person who executed the foregoing instrument in my presence and acknowledged said instrument to be his/her free act and deed this 3 day of Feb, 2020.

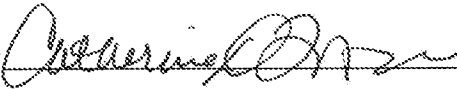
Witness 1:

Signature: Dina Kloter
Name: Dina Kloter
Date: 02/03/20

Witness 2:

Signature: Karen Johnston
Name: Karen Johnston
Date: 2/3/2020

Accepted and agreed to by ASSIGNEE Merck Sharp & Dohme Corp.

Signature: 
 Name: Catherine D. Fitch
 Title: Managing Counsel, Patents
 Date: 2/7/2020

ACKNOWLEDGEMENT

STATE OF NEW JERSEY)
) s.s.:
 County of UNION)

On this 7 day of February, 2020, personally appeared before me Catherine D. Fitch to me known, and known by me to be the same person(s) 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

EMILY LANG
 NOTARY PUBLIC OF NEW JERSEY
 MY COMMISSION EXPIRES
 NOVEMBER 30, 2023