503556119 11/05/2015 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3602746

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
ERIC J. GILBERT		10/08/2013
JARED N. CUMMING		10/08/2013
ANDREW W. STAMFORD		10/11/2013
YOUNONG YU		10/11/2013
JACK P. SCOTT		10/08/2013
LINGYAN WANG		10/09/2013
JOHN P. CALDWELL		10/08/2015

ULRICH ISERLOH

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:	14433298

CORRESPONDENCE DATA

Fax Number:	(732)594-4720
•	to the e-mail address first; if that is unsuccessful, it will be sent ed; if that is unsuccessful, it will be sent via US Mail.
Phone:	7325941251
Email:	us_efs@merck.com
Correspondent Name:	KEITH MACMILLAN
Address Line 1:	126 EAST LINCOLN AVENUE
Address Line 2:	RY86 2011A
Address Line 4:	RAHWAY, NEW JERSEY 07065
ATTORNEY DOCKET NUMBER	23307
NAME OF SUBMITTER:	CHRISTINE KANELLIDIS

09/21/2013

SIGNATURE:	/Christinekanellidis/
DATE SIGNED:	11/05/2015
Total Attachments: 8	
source=23307-Assignment#page1.tif	
source=23307-Assignment#page2.tif	
source=23307-Assignment#page3.tif	
source=23307-Assignment#page4.tif	
source=23307-Assignment#page5.tif	
source=23307-Assignment#page6.tif	
source=23307-Assignment#page7.tif	
source=23307-Assignment#page8.tif	

Attorney Docket No.: 23307

WORLDWIDE ASSIGNMENT

WHEREAS, IME,

(1) Eric J. Gilbert, located at Scotch Plains, New Jersey,

(2) Jared N. Cumming, located at Garwood, New Jersey,

(3) Andrew W. Stamford, located at Chatham, New Jersey,

(4) Younong Yu, located at East Brunswick, New Jersey,

(5) Jack D. Scott, located at Scotch Plains, New Jersey,

(6) Ulrich Iserloh, located at 1110 Park Avenue, Apt. 2L, Hoboken, New Jersey 07030

(7) Lingyan Wang, located at East Brunswick, New Jersey

(8) John P. Caldwell, located at Ringwood, New Jersey

(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:

TRICYCLIC SUBSTITUTED THIADIAZINE DIOXIDE COMPOUNDS AS BACE INHIBITORS, COMPOSITIONS AND THEIR USE

and/or in the following application(s):

U.S. Provisional Application No. 61/714,969, filed on October 17, 2012; U.S. Provisional Application No. 61/779 366, filed on March 13, 2013;

U.S. Provisional Application No. 61/779,366, filed on March 13, 2013; U.S. Application No. $\frac{14/433298}{10/14/2013}$ having a filing date of $\frac{10/14/2013}{10/14/2013}$; and

PCT International Application No. having a filing date of

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.

IWE 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.

Computer Generated Templats "Assignment-Merck Sharp & Dohme. Single Assignee Worldwide" (Assignment) Merck Sharp & Dohme Com. 11/04/2010

Executed this day of	, 20
Eric J. Gilbert	
ACKNOWLEDGEMENT	
of)
of County of) s.s.:
and known by me to be the same perso	, 20, personally appeared before me Eric J. Gilbert to me known, on described in and who executed the foregoing instrument, and acknowledged (her) own free will for the purpose set forth.
(Seal)	
	Notary Public
Executed this day of	20 .
n yn yw argen argen argentar yn 4 - , ardening yn grober er	
Jared N. Cumming	
ACKNOWLEDGEMENT	
of	`
of County of) s.s.:
known, and known by me to be the sam	, 20, personally appeared before me Jared N. Cumming to me ne person described in and who executed the foregoing instrument, and he same, of his (her) own free will for the purpose set forth.
(Seal)	
	Notary Public
Executed this day of	. 20
and a second	
Andrew W. Stamford	
ACKNOWLEDGEMENT	
	\ \
of) s.s.:
known, and known by me to be the sam	, 20, personally appeared before me Andrew W. Stamford to me the person described in and who executed the foregoing instrument, and the same, of his (her) own free will for the purpose set forth.
(Seal)	
	Notary Public

Page 2 of 4 Computer Generated Template "Assignment-Merck Sharp & Dohme. Single Assignee Worldwide" (Assignment) Merck Sharp & Dohme Corp. 11/04/2010 PATENT

REEL: 036967 FRAME: 0928

Worldwide Assignment	
Executed this day of	
Younong Yu	
ACKNOWLEDGEMENT	
of	
of) S.S.:)
On this day of and known by me to be the same perso that he (she) executed the same, of his	, 20, personally appeared before me Younong Yu to me known, n described in and who executed the foregoing instrument, and acknowledged (her) own free will for the purpose set forth.
(Seal)	
	Notary Public
Executed this day of	, 20
Jack D. Scott	
ACKNOWLEDGEMENT	
of)
of) \$.\$.:)
On this day of known by me to be the same person de he (she) executed the same, of his (her)	_, 20, personally appeared before me Jack D. Scott to me known, and scribed in and who executed the foregoing instrument, and acknowledged that) own free will for the purpose set forth.
(Seal)	
Executed this 2 day of Novem	Notary Public
Unich Iserich	
ACKNOWLEDGEMENT	
November 21 of 2013	¥
county of Hudson) s.s.:
and known by me to be the same persol	<u>rember</u> , 2013, personally appeared before me Ulrich Iserion to me known, n described in and who executed the foregoing instrument, and acknowledged (her) own free will for the purpose set forth.
(Seal)	Quan C Rough
	Notary Public
	JUAN C. RENGIFO
	ID # 2406323 NOTARY PUBLIC OF NEW JERSEY
	My Commission Expires 3/25/2016

Page 3 of 4 Computer Generated Template "Assignment-Merck Sharp & Dohme. Single Assignee Worldwide" (Assignment) Merck Sharp & Dohme Corp. 11/04/2010 PATENT

Executed this day of	, 20
Lingyan Wang	
ACKNOWLEDGEMENT	
of)) s.s.:
appeared before me Lingyan Wang to executed the foregoing instrument, and purpose set forth.	On this day of, 20, personally me known, and known by me to be the same person described in and who acknowledged that he (she) executed the same, of his (her) own free will fo
purpose set io(iii.	
(Seal)	
	Notary Public
(Seal)	· · · · • • · · · · ·
(Seal)	, 20
(Seal) Executed this day of John P. Caldwell	, 20
(Seal) Executed this day of John P. Caldwell ACKNOWLEDGEMENT	, 20
(Seal) Executed this day of John P. Caldwell ACKNOWLEDGEMENT	, 20

(Seal)

Notary Public

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

- (1) Eric J. Gilbert, located at Scotch Plains, New Jersey,
- (2) Jared N. Cumming, located at Garwood, New Jersey,
- (3) Andrew W. Stamford, located at Chatham, New Jersev.
- (4) Younong Yu, located at East Brunswick, New Jersey,
- (5) Jack D. Scott. located at Scotch Plains, New Jersey,
- (6) Ulrich Iserloh, located at 1110 Park Avenue, Apt. 2L, Hoboken, New Jersey 07030
- (7) Lingvan Wang, located at East Brunswick, New Jersey
- (8) John P. Caldwell, located at Ringwood, New Jersey

(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:

TRICYCLIC SUBSTITUTED THIADIAZINE DIOXIDE COMPOUNDS AS BACE INHIBITORS, COMPOSITIONS AND THEIR USE

and/or in the following application(s):

U.S. Provisional Application No. 61/714,969, filed on October 17, 2012;

U.S. Provisional Application No. 61/779,366, filed on March 13, 2013; U.S. Application No. $\frac{14/433298}{10/14/2013}$ having a filing date of $\frac{10/14/2013}{10/14/2013}$; and PCT international Application No. ______ having a filing date of ______

WHEREAS IWE 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.

Computer Generated Template "Assignment-Merck Sharp & Dohme. Single Assignee Worldwide" (Assignment) Merck Sharp & Dohme Corp. 11/04/2010

Executed this the day of, 2013.	
Executed this of day of, 2032.	
Eric J. Gilbert	
ACKNOWLEDGEMENT	
of)	
County of	
On this State of a state of a state of a	personally appeared before me Eric J. Gilbert to me known,
and known by me to be the same person described in and that he (she) executed the same, of his (her) own free will	who executed the foregoing instrument, and acknowledged
(Seal)	Notary Public
© @.1.1	
Executed this 8 day of October, 2013.	Ann LaTourette NOTARY PUBLIC OF NEW JERSEY
A (mmm)	I.D. # 2413879 My Commission Expires 10/25/2016
Jared N. Cumming	
ACKNOWLEDGEMENT	
of	
County of Union (s.s.	personally appeared before me Jared N. Cumming to me
On this $\frac{8^{10}}{2}$ day of 210662 , $20/3$	personally appeared before me Jared N. Cumming to me
known, and known by me to be the same person describe acknowledged that he (she) executed the same, of his (he	r) own free will for the purpose set forth.
(Seal)	Ann LaTourette Ann LaTourette NOTARY PUBLIC OF NEW JERSEY I.D. # 2413879 Notary Public
	Notary Public I.D. # 2413879 My Commission Expires 10/25/2016
Executed this 11th day of October, 2018.	•
<u>_ QuiderM. Churlel.</u>	
Andrew W. Stamford	
ACKNOWLEDGEMENT	
-Alcule or year yearly	
County of <u>Assest</u>	
On this <u>11</u> day of <u>الحدية (بحرز</u> , 20 <u>12)</u> , known, and known by me to be the same person describe	personally appeared before me Andrew W. Stamford to me d in and who executed the foregoing instrument, and
acknowledged that he (she) executed the same, of his (he	er) own free will for the purpose set forth.
(Seal)	horre A. R.
	Notary Public VALERIE H. RIGGI
	1 6 C Subor S S D 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	NOTARY PUBLIC OF NEW JERSEY
Pane 2 of 4	NOTARY PUBLIC OF NEW JERSEY My Commission Exp. April 12, 2016
Page 2 cf 4 Computer Generated Template "Assignance/I-Merck Sharp & Dohme. Single Assignee Worl	My Commission Exp. April 12, 2016

Worldwide Assignment

The way the second of the second se	
Executed this 11_ day of 2013	
Non- Marine Marine Company	
Younong Yu	
ACKNOWLEDGEMENT	
Stateof	
Ass.:	
County of <u>1/1/0/12</u> On this <u>1/1/0</u> day of <u>1/2/0/0</u> , 20 <u>1</u> , personally appeared before me Younong Yu 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) Tin Koul & Tano Amprop	
Notary Public / //	
Executed this _ X day of, 2013_	
PAROCELS PARASSANUR O PAROCELS PARASSANUR O NOTARY PUBLIC OF NEW JERSEY Jack D. Scott	
Jack DyScott	
ACKNOWLEDGEMENT	
of)	
County of ()A) (DA)	
On this <u>s</u> day of <u>coulder</u> , 20 <u>,</u> , personally appeared before me Jack D. Scott 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 Ann LaTourette	7
Executed this day of day of 20/3.	SEY 2
1. 1.D. # 2413878/2016 By Commission Expires 1025/2	016
Ulrich Iserloh	
ACKNOWLEDGEMENT	
	•
of) s.s.:	
County of)	
On this day of, 20, personally appeared before me Ulrich Iserioh 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	
radiary r dosta	

Page 3 of 4 Computer Generated Templete "Assignment Merck Sharp & Dohme. Single Assignee Worldwide" (Assignment) Merck Sharp & Dohme Corp. 11/04/2010 PATENT

REEL: 036967 FRAME: 0933

Executed this <u>9</u> ⁴ day of <u>0.04</u> . <u>, 20 13</u> <u>Lingyan Wang</u> ACKNOWLEDGEMENT <u>State Of</u> or <u>Numbers</u> County of <u>1000000000000000000000000000000000000</u>
ACKNOWLEDGEMENT <u>State of</u> of <u>Manufactory</u> County of <u>Internal</u> On this <u>d</u> day of <u>Atbuc</u> , 20 <u>3</u> , personally appeared before me Lingyan Wang 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.
State of Numbersed County of
County of
executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.
(Seal) $(Seal)$
Notacy Public
Executed this day of <u>0073207</u> , 20 <u>3</u> <u>AP</u> <u>Job</u> , 20 <u>3</u> <u>John/P. Caldwell</u> <u>KELLY ANN PANNO</u> NOTARY PUBLIC OF NEW JERSEY 10 # 2056142 Commission Express 7/28/2016
ACKNOWLEDGEMENT
of
On this day of, 20 <u>7</u> , personally appeared before me John P. Caldwell 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) (Seal) Ann LaTourette NOTARY PUBLIC OF NEW JE L.D. # 2413879
Notary Public My Commission Expires 10/2

Page 4 of 4 Computer Generated Templete "Assignment-Merck Sharp & Cohme, Single Assignee Worldwide" (Assignment) Merck Sharp & Dohme Corp 11/04/2010