503439491 08/17/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3486115

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
IAN M. BELL		10/28/2011
MARK E. FRALEY		10/28/2011
STEVEN N. GALLICCHIO		10/28/2011
ANTHONY GINNETTI		10/28/2011
HELEN J. MITCHELL		10/31/2011
DANIEL V. PAONE		10/28/2011
DONNETTE D. STAAS		10/31/2011
CHENG WANG		10/28/2011
C. BLAIR ZARTMAN		10/28/2011

RECEIVING PARTY DATA

Name:	MERCK SHARP & DOHME CORP.	
Street Address:	126 E. LINCOLN AVENUE	
Internal Address:	RY86-2011A	
City:	RAHWAY	
State/Country:	NEW JERSEY	
Postal Code:	07065	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14485259

CORRESPONDENCE DATA

Fax Number:	(732)594-4720		
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.			
Phone:	7325942843		
Email:	us_efs@merck.com		
Correspondent Name:	H. ERIC FISCHER		
Address Line 1:	126 E. LINCOLN AVENUE		
Address Line 2:	RY86-2011A		
Address Line 4:	RAHWAY, NEW JERSEY 07065		

ATTORNEY DOCKET NUMBER:

MRL-NOP-00103-US-CNT

NAME OF SUBMITTER:	KAREN A. MARGIOTTO	
SIGNATURE:	/Karen A. Margiotto/	
DATE SIGNED:	08/17/2015	
Total Attachments: 4		
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Attorney Docket No.: MRL-NOP-00103-US-NP(2)

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

- (1) Ian M Bell, located at Harleysville, PA,
- (2) Mark E. Fraley, located at North Wales, PA,
- (3) Steven N. Gallicchio, located at Horsham, PA,
- (4) Anthony Ginnetti, located at Perkasie, PA,
- (5) Helen J. Mitchell, located at Richboro, PA,
 (6) Daniel V. Paone, located at Lansdale, PA,
- (7) Donnette D. Staas, located at Holland, PA,
- (8) Cheng Wang, located at Fort Washington, PA,
- (9) C. Blair Zartman, located at Hatfield, PA,

(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:

PIPERIDINONE CARBOXAMIDE AZAINDANE CGRP RECEPTOR ANTAGONISTS

and/or in the following application(s):

U.S. Provisional Application No. 61/413,077 filed on 11/12/2010; and

U.S. Provisional Application No. 61/425,034 filed on 12/20/2010

U.S. Application No. <u>13/293,177</u> having a filing date of <u>11/10/2011</u>; and PCT International Application No. <u>PCT/US11/060081</u> having a filing date of <u>11/10/2011</u>.

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.

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

Attorney Docket No.: MRL-NOP-00103-US-NP(2)

Executed this 28 day of October, 2011. Mark E. Fraley lan M. Bell Anthony **Ginnet** Steven N. Gallicchio 20 Daniel V. Paone Helen J. Mitchell Donnette D. Staas Commonwealting Dennsylvania ACKNOWLEDGEMENT UPPER Cuit edd ann "litl" Ant \mathbf{e} of (\$,S.: County of Mantumere On this 25 day of <u>Ottobe</u>, 2011, personally appeared before me Ian M. Bell, Mark E. Fraley, Steven N. Gallicchio, Anthony Ginnetti, Helen J. Mitchell, Daniel V. Paone, Bonnette D. Staas, Cheng Wang, C. Blair Zartman, 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. Upper Gwynedd Twp, Mortgomery County My Commission Expires May 14, 2013 Notary Public Member, Perinkylvania Association of Notaries Executed this _____ day of ______, 2011. ACKNOWLEDGEMENT) s.s.: County of_ , 2011, personally appeared before me to me _ day of _ On this _ 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 Page 2 of Computer Generated Template "Assignment-Merck Sharp & Dohme. Single Assignee Worldwide" (Assignment) Merck Sharp & Dohme Corp. 11/04/2010

PATENT REEL: 036341 FRAME: 0400 Worldwide Assignment



Attorney Docket No.: MRL-NOP-00103-US-NP(2)

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

- (1) Ian M Bell, located at Harleysville, PA,
- (2) Mark E. Fraley, located at North Wales, PA,
- (3) Steven N. Gallicchio, located at Horsham, PA,
- (4) Anthony Ginnetti, located at Perkasie, PA,
- (5) Helen J. Mitchell, located at Richboro, PA,
 (6) Danlel V. Paone, located at Lansdale, PA,
- (7) Donnette D. Staas, located at Holland, PA,
- (8) Cheng Wang, located at Fort Washington, PA,
- (9) C. Blair Zartman, located at Hatfield, PA,

(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:

PIPERIDINONE CARBOXAMIDE AZAINDANE CGRP RECEPTOR ANTAGONISTS

and/or in the following application(s):

U.S. Provisional Application No. 61/413,077 filed on 11/12/2010; and

U.S. Provisional Application No. 61/425,034 filed on 12/20/2010

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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.

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

PATENT REEL: 036341 FRAME: 0401

Executed this 31 day of CCTCIDED, 2017	1.
lan M. Bell	Mark E. Fraley
Steven N. Gallicchio	Anthony Ginnetti
Helen J. Mitohell	Daniel V. Paone
Helen J. Mitchell <u>Alonnette</u> D. Staas	Cheng Wang
C. Blair Zartman	
Steven N. Galliechio, Anthony Ginnetti, Helen J Blair Zartman, to me known, and known by me to instrument, and acknowledged that he (she) execu (Seal) COMMONWEALTH OF PENNSYLVANIA Notariel Seal Dorothy M. Miller, Notary Public Upper Gwynedd Two, Montpomery County My Commission Expires May 14, 2013	(1)MII
ACKNOWLEDGEMENT of) County of)	s.s.:
On this day of known, and known by me to be the same person acknowledged that he (she) executed the same, c	, 2011, personally appeared before me to me described in and who executed the foregoing instrument, and of his (her) own free will for the purpose set forth.
(Seal)	Notary Public
Page 2 of , Computer Generated Templata "Assignment-Merck Sharp & Dohme, Single A	Assignee Worldwide* (Assignment) Merck Sharp & Dohme Corp. 11/04/2010

RECORDED: 08/17/2015

PATENT REEL: 036341 FRAME: 0402