502530872 10/14/2013

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2576154

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DONG XIAO	05/01/2012
ANANDAN PALANI	05/02/2012
ROBERT G. ASLANIAN	05/04/2012
SYLVIA DEGRADO	05/11/2012
XIANHAI HUANG	05/01/2012
WEI ZHOU	05/02/2012
MICHAEL SOFOLARIDES	07/24/2012
XIAO CHEN	05/02/2012

RECEIVING PARTY DATA

Name:	SCHERING CORPORATION
Street Address:	2000 GALLOPING HILL ROAD
City:	KENILWORTH
State/Country:	NEW JERSEY
Postal Code:	07033

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13515638

CORRESPONDENCE DATA

 Fax Number:
 (732)594-4720

 Phone:
 732-594-1045

 Email:
 us.efs@merck.com

Correspondence will be sent via US Mail when the email attempt is unsuccessful.

Correspondent Name: ERIC A. MEADE, MERCK & CO., INC.

Address Line 1: 126 EAST LINCOLN AVENUE
Address Line 2: P.O. BOX 2000, RY86-2011A

Address Line 4: RAHWAY, NEW JERSEY 07065-0900

PATENT

REEL: 031397 FRAME: 0016

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NAME OF SUBMITTER:	ERIC A. MEADE	
Signature:	/Eric A. Meade, Reg. No. 42876/	
Date:	10/14/2013	
Total Attachments: 18		
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PATENT REEL: 031397 FRAME: 0017

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

- (1) Dong Xiao, located at Warren, New Jersey,
- (2) Anandan Palani, located at Bridgewater, New Jersey,
- (3) Robert G. Aslanian, located at Rockaway, New Jersey,
- (4) Sylvia Degrado, located at Scotch Plains, New Jersey,
- (5) Xianhai Huang , located at Warren, New Jersey ,
- (6) Wei Zhou, located at Scotch Plains, New Jersey,
- (7) Michael Sofolarides, located at Jacksonville, Florida,
- (8) Xiao Chen, located at Edison, 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:

FUSED TRICYCLIC COMPOUNDS FOR THE TREATMENT OF INFLAMMATORY DISORDERS

and/or in the following application(s):

U.S. Provisional Application No.	61/286,164	filed on	December 14,	2009 ;		
U.S. Application No.		having	a filing date of		; a	and
PCT International Application No	·		having a filing	g 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, Schering Corporation, a corporation organized under the laws of the State of New Jersey, having an office at 2000 Galloping Hill Road, Kenilworth, New Jersey 07033, 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-Schering Corporation. Single Assignee Worldwide" (Assignment) Merck Sharp & Dohme Corp. 11/04/2010

My Commission Expires 9/1/2014

Executed this 19	t day of May	, 20 <u> </u>			
D					
Dong Xiao					
ACKNOWLEDGI	EMENT				
<u>State</u>	of New Jersey)			
County of	Inion) s.s.:)			
	1St day of May	, 20 <u>/2</u> , perso	onally appeared before n	ne Dong Xiao	to me
known, and know acknowledged that	n by me to be the same per at he (she) executed the sar	rson(s) described in	and who executed the	foregoing instrument	t, and
(Seal)		Lu	isa M.	Joures	
		V	Notary Public LUISA M. TOWN	: e	
			NOTARY PURITO OF NEW		

\mathcal{N}_{Ω}	
Executed this 2 day of May	, 20_12_
Amady puly	
Anandan Palani	
ACKNOWLEDGEMENT	
State of New Jersey)
County of Union) s.s.:)
On this 2nd day of Man	, 20 <u>12</u> , personally appeared before me Anandan Palani to m
	rson described in and who executed the foregoing instrument, and
acknowledged that he (she) executed the sai	me, of his (her) own free will for the purpose set forth.
asimowioagoa marino (one) excouted the sai	Inc, or his their own nee will for the purpose set forth.
(Seal)	J. M.
	Juse M. Joures
	Notary Public

LUISA M. TOWNES NOTARY PUBLIC OF NEW JERSEY My Commission Expires 9/1/2014

Executed this 4 day of May , 2012	
Robert G. aslam	
Robert G. Aslanian	
ACKNOWLEDGEMENT	
State of New Jersey)	
County of Passaic) s.s.:	
On this $\frac{4}{2}$ day of $\frac{6}{2}$, personally appearance 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 for	ared before me Robert G. Aslanian t executed the foregoing instrument, and or the purpose set forth.
(Seal)	
PATRICK J	MORIARTY JR.
T CTATE O	Expires Oct. 18 20 6

ASUNCION R. E. FLORES
NOTARY PUBLIC OF NEW JERSEY
MY COMMISSION EXPIRES JULY 3, 2012

Executed this <u>II</u> day of <u>May</u>	_, 20 <u>]2</u> .
Sylvia Degrado Sylvia Degrado	
ACKNOWLEDGEMENT	
State of New Jersey	_)
County of UNION) s.s.:)
known, and known by me to be the sarde perso	_ , 20 <u>(4</u> , personally appeared before me Sylvia Degrado to me n described in and who executed the foregoing instrument, and , of his (her) own free will for the purpose set forth.
(Seal)	A - I
	Notary Public

My Commission Expires 9/1/2014

Executed this 13t day of May	, 20 <u>12</u>
Xianhai Huang	
ACKNOWLEDGEMENT	
State of New Jersey	
County of Union) s.s.:
known, and known by me to be the same-person	, 20 <u>12</u> personally appeared before me Xianhai Huang to me described in and who executed the foregoing instrument, and of his (her) own free will for the purpose set forth.
(Seal)	Husa M. Journes Notary Public
	LUIŚA M. TOWNES
	NOTARY PUBLIC OF NEW JERSEY

LUISA M. TOWNES NOTARY PUBLIC OF NEW JERSEY My Commission Expires 9/1/2014

Executed this 2 nd day of	_,20 <u>_1</u> 2
Wei Zhou	
TTOT ZINGU	
ACKNOWLEDGEMENT	
State of New Jersey	_)
County of Union) s.s.:)
On this 2nd day of $\gamma \alpha \gamma$ and known by me to be the same person described that he (she) executed the same, of his (her) or	, 20 <u>12</u> , personally appeared before me Wei Zhou to me known ribed in and who executed the foregoing instrument, and acknowledge wn free will for the aurpose set forth.
(Seal)	Notary Public Journes
	// Notary Fubilic

Executed this day of	, 20
Michael Sofolarides	
ACKNOWLEDGEMENT	
State of New Jersey)) s.s.:
County of) s.s.:)
known, and known by me to be the same per	, 20, personally appeared before me Michael Sofolarides to me son described in and who executed the foregoing instrument, and me, of his (her) own free will for the purpose set forth.
(Seal)	
	Notary Public

Executed this and day of Mill	, 20 <u>_/</u> .
Xiao Chien	-
ACKNOWLEDGEMENT	
State of New Jersey)
County of Union) s.s.:)
On this 2nd day of May and known by me to be the same person d that he (she) executed the same, of his (he	, 20 <u>12</u> , personally appeared before me Xiao Chen to me known escribed in and who executed the foregoing instrument, and acknowledged or) own free will for the purpose set forth.
(Seal)	Susa M. Jownes
	Notary Public

LUISA M. TOWNES NOTARY PUBLIC OF NEW JERSEY My Commission Expires 9/1/2014

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

- (1) Dong Xiao, located at Warren, New Jersey,
- (2) Anandan Palani, located at Bridgewater, New Jersey,
- (3) Robert G. Aslanian, located at Rockaway, New Jersey,
- (4) Sylvia Degrado, located at Scotch Plains, New Jersey,
- (5) Xianhai Huang , located at Warren, New Jersey ,
- (6) Wei Zhou, located at Scotch Plains, New Jersey,
- (7) Michael Sofolarides, located at Jacksonville, Florida,
- (8) Xiao Chen, located at Edison, 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:

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and/or in the following application(s):

U.S. Provisional Application No.	61/286,164	filed on	December 14,	2009 ;		
U.S. Application No.		having	a filing date of		; a	and
PCT International Application No	·		having a filing	g 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, Schering Corporation, a corporation organized under the laws of the State of New Jersey, having an office at 2000 Galloping Hill Road, Kenilworth, New Jersey 07033, 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-Schering Corporation. Single Assignee Worldwide" (Assignment) Merck Sharp & Dohme Corp. 11/04/2010

Executed this day of _	, 20
Dong Xiao	
ACKNOWLEDGEMENT	
	New Janes
of of County of	New Jersey)) s.s.:)
known, and known by me to	f, 20, personally appeared before me Dong Xiao to nobe the same person(s) described in and who executed the foregoing instrument, an executed the same, of his (her) own free will for the purpose set forth.
(Seal)	
•	Notary Public

Executed this day of	, 20
Anandan Palani	
ACKNOWLEDGEMENT	
State of New Jers	ey)
County of) s.s.:)
known, and known by me to be the san	, 20, personally appeared before me Anandan Palani to me 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	
Robert G. Aslanian		
ACKNOWLEDGEMENT		
State of New Jersey)	
County of) s.s.:)	
me known, and known by me to be the same	, 20, personally appeared before me Robert G. Aslanian person described in and who executed the foregoing instrument, and me, of his (her) own free will for the purpose set forth.	t
(Seal)		
	Notary Public	

Executed this	_ day of		
Sylvia Degrado			
ACKNOWLEDGE	MENT		
State	of	New Jersey)) s.s.:
County of		<u></u>) s.s.:)
known, and known	by me t	o be the same per	, 20, personally appeared before me Sylvia Degrado to r son described in and who executed the foregoing instrument, and me, of his (her) own free will for the purpose set forth.
(Seal)			
			Notary Public

Executed this day of	, 20
Xianhai Huang	
ACKNOWLEDGEMENT	
State of New Jer	sey)) s.s.:
County of) s.s.:)
known, and known by me to be the sai	, 20, personally appeared before me Xianhai Huang to me 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

Executed this day of	, 20	
Wei Zhou		
ACKNOWLEDGEMENT		
State of New Jersey)	
County of) s.s.:)	
On this day of and known by me to be the same person de that he (she) executed the same, of his (her	, 20, personally appeared before me Wei Zhou ribed in and who executed the foregoing instrument, and own free will for the purpose set forth.	to me known, acknowledged
(Seal)		
	Notary Public	

Executed this $\frac{y}{2}$ day of $\frac{y}{2}$, 20/2
M111
Michael Sofolarides
ACKNOWLEDGEMENT
<u>State</u> of <u>Florida</u>)
County of Duva) s.s.:
On this 24 day of 5014, 2012 personally appeared before me Michael Sofolarides 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.
acknowledged that he (she) executed the same, of his (her) own hee will for the purpose set form.
(Seal)
MIRIAM GRIFFIN Notary Public Notary Public - State of Florida My Comm. Expires Oct 14, 2014
Commission # EE 34559 Rough National N

Executed this day of	, 20
Xiao Chen	<u></u>
ACKNOWLEDGEMENT	
State · of New Jersey)
County of) s.s.:)
	_, 20, personally appeared before me Xiao Chen to me know bed in and who executed the foregoing instrument, and acknowledge in free will for the purpose set forth.
(Seal)	
	Notary Public

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

PATENT REEL: 031397 FRAME: 0035