

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Vadim Y Dudkin</td> <td>07/20/2011</td> </tr> <tr> <td>Mark E Fraley</td> <td>07/20/2011</td> </tr> <tr> <td>Kenneth L Arrington</td> <td>07/20/2011</td> </tr> <tr> <td>Mark E Layton</td> <td>07/19/2011</td> </tr> <tr> <td>Kevin J Rodzinak</td> <td>07/20/2011</td> </tr> <tr> <td>Joseph E Pero</td> <td>07/20/2011</td> </tr> </tbody> </table>		Name	Execution Date	Vadim Y Dudkin	07/20/2011	Mark E Fraley	07/20/2011	Kenneth L Arrington	07/20/2011	Mark E Layton	07/19/2011	Kevin J Rodzinak	07/20/2011	Joseph E Pero	07/20/2011
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RECEIVING PARTY DATA															
<table border="1"> <tr> <td>Name:</td> <td>Merck Sharp &amp; Dohme Corp.</td> </tr> <tr> <td>Street Address:</td> <td>126 East Lincoln Avenue</td> </tr> <tr> <td>Internal Address:</td> <td>RY86-2011A</td> </tr> <tr> <td>City:</td> <td>Rahway</td> </tr> <tr> <td>State/Country:</td> <td>NEW JERSEY</td> </tr> <tr> <td>Postal Code:</td> <td>07065</td> </tr> </table>		Name:	Merck Sharp & Dohme Corp.	Street Address:	126 East Lincoln Avenue	Internal Address:	RY86-2011A	City:	Rahway	State/Country:	NEW JERSEY	Postal Code:	07065		
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CORRESPONDENCE DATA															
Fax Number:	7325944005														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	7325941109														
Email:	nancy.e.yorke@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:	MRLNOP22573														

CH \$40.00 13814870

NAME OF SUBMITTER:	NANCY E. YORKE
Signature:	/Nancy E. Yorke/
Date:	04/10/2013
<b>Total Attachments: 4</b> source=MRLNOP22573USPCT_Assign_10APR2013#page1.tif source=MRLNOP22573USPCT_Assign_10APR2013#page2.tif source=MRLNOP22573USPCT_Assign_10APR2013#page3.tif source=MRLNOP22573USPCT_Assign_10APR2013#page4.tif	

**WORLDWIDE ASSIGNMENT**

WHEREAS, I/WE,

- (1) Vadim Y. Dudkin, located at Lansdale, PA,
- (2) Mark E. Fraley, located at North Wales, PA,
- (3) Kenneth L. Arrington, located at Revere, MA,
- (4) Mark E. Layton, located at Harleysville, PA,
- (5) Kevin J. Rodzinak, located at Schwenksville, PA,
- (6) Joseph E. Pero, located at Harleysville, PA, and
- (7) Alexander J. Reif, located at Holland, 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:

**POSITIVE ALLOSTERIC MODULATORS OF MGLUR2**

and/or in the following application(s):

U.S. Provisional Application No. 61/373,050 filed on 8/12/2010;  
U.S. Application No. \_\_\_\_\_ having a filing date of \_\_\_\_\_; 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.

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 20 day of July, 2011.Vadim Y. DudkinKenneth L. ArringtonKevin J. RodzinakMark E. FraleyMark E. LaytonJoseph E. Pero

## ACKNOWLEDGEMENT

County of Montgomery } s.s.:

On this 20 day of July, 2011, personally appeared before me **Vadim Y. Dudkin, Mark E. Fraley, Kenneth L. Arrington, Mark E. Layton, Kevin J. Rodzinak, Joseph E. Pero** 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.

(Seal)

Marjorie M. Bennett  
Notary Public

Executed this \_\_\_\_ day of \_\_\_\_\_, 2011.

Alexander J. Reif

## COMMONWEALTH OF PENNSYLVANIA

Notarial Seal  
 Marjorie M. Bennett, Notary Public  
 Upper Gwynedd Twp., Montgomery County  
 My Commission Expires Jan. 24, 2015  
 MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

## ACKNOWLEDGEMENT

\_\_\_\_ of \_\_\_\_\_ }  
 County of \_\_\_\_\_ } s.s.:

On this \_\_\_\_ day of \_\_\_\_\_, 2011, personally appeared before me **Alexander J. Reif** 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

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Executed this \_\_\_\_ day of \_\_\_\_\_, 2011.

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Mark E. Layton\_\_\_\_\_  
Kevin J. Rodzinak\_\_\_\_\_  
Joseph E. Pero

## ACKNOWLEDGEMENT

\_\_\_\_\_  
of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) s.s.:

On this \_\_\_\_ day of \_\_\_\_\_, 2011, personally appeared before me **Vadim Y. Dudkin, Mark E. Fraley, Kenneth L. Arrington, Mark E. Layton, Kevin J. Rodzinak, Joseph E. Pero** 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.

(Seal)

\_\_\_\_\_  
Notary PublicExecuted this 19 day of July, 2011.

X Alexander J. Reif  
\_\_\_\_\_  
Alexander J. Reif

## ACKNOWLEDGEMENT

X Commonwealth of Pennsylvania )  
County of Montgomery ) s.s.:

X On this 19 day of July, 2011, personally appeared before me **Alexander J. Reif** 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)

X Alina R. Zielinski  
\_\_\_\_\_  
Notary Public

