

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																		
NATURE OF CONVEYANCE:	ASSIGNMENT																		
<b>CONVEYING PARTY DATA</b>																			
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Duane A. Burnett</td> <td>11/17/2011</td> </tr> <tr> <td>Zhiqiang Zhao</td> <td>11/15/2011</td> </tr> <tr> <td>David Cole</td> <td>11/14/2011</td> </tr> <tr> <td>Hubert Josien</td> <td>11/15/2011</td> </tr> <tr> <td>Dmitri A. Pissarnitski</td> <td>11/15/2011</td> </tr> <tr> <td>Thavalakulamgar Sasikumar</td> <td>11/22/2011</td> </tr> <tr> <td>Wen-Lian Wu</td> <td>11/15/2011</td> </tr> <tr> <td>Martin Domalski</td> <td>11/17/2011</td> </tr> </tbody> </table>		Name	Execution Date	Duane A. Burnett	11/17/2011	Zhiqiang Zhao	11/15/2011	David Cole	11/14/2011	Hubert Josien	11/15/2011	Dmitri A. Pissarnitski	11/15/2011	Thavalakulamgar Sasikumar	11/22/2011	Wen-Lian Wu	11/15/2011	Martin Domalski	11/17/2011
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<b>RECEIVING PARTY DATA</b>																			
<table border="1"> <tr> <td>Name:</td> <td>Schering Corporation</td> </tr> <tr> <td>Street Address:</td> <td>2000 Galloping Hill Road</td> </tr> <tr> <td>City:</td> <td>Kenilworth</td> </tr> <tr> <td>State/Country:</td> <td>NEW JERSEY</td> </tr> <tr> <td>Postal Code:</td> <td>07033</td> </tr> </table>		Name:	Schering Corporation	Street Address:	2000 Galloping Hill Road	City:	Kenilworth	State/Country:	NEW JERSEY	Postal Code:	07033								
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<b>CORRESPONDENCE DATA</b>																			
<p>Fax Number:  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 732 594-4000        Email: us_efs@merck.com        Correspondent Name: Merck &amp; Co. Inc.        Address Line 1: P. O. Box 2000        Address Line 2: RY86-2011A        Address Line 4: Rahway, NEW JERSEY 07065</p>																			

CH \$40.00 13990948

ATTORNEY DOCKET NUMBER:	MRL-DOB-00078-US-PCT
NAME OF SUBMITTER:	Pamela Spalding
Signature:	/Pamela Spalding/
Date:	05/31/2013
<b>Total Attachments: 10</b> source=MRLDOB00078USPCT-ASSIGN-31MAY2013#page1.tif source=MRLDOB00078USPCT-ASSIGN-31MAY2013#page2.tif source=MRLDOB00078USPCT-ASSIGN-31MAY2013#page3.tif source=MRLDOB00078USPCT-ASSIGN-31MAY2013#page4.tif source=MRLDOB00078USPCT-ASSIGN-31MAY2013#page5.tif source=MRLDOB00078USPCT-ASSIGN-31MAY2013#page6.tif source=MRLDOB00078USPCT-ASSIGN-31MAY2013#page7.tif source=MRLDOB00078USPCT-ASSIGN-31MAY2013#page8.tif source=MRLDOB00078USPCT-ASSIGN-31MAY2013#page9.tif source=MRLDOB00078USPCT-ASSIGN-31MAY2013#page10.tif	

**WORLDWIDE ASSIGNMENT**

WHEREAS, I/WE,  
(1) Duane A. Burnett, located at Bernardsville, NJ 07924

(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 HETEROCYCLES USEFUL AS DIPEPTIDYL PEPTIDASE-IV INHIBITORS

and/or in the following application(s):

U.S. Provisional Application No. 61/419,955 filed on 12/6/2010;

U.S. Application No. 13/990,948 having a filing date of 05/31/2013; and

PCT International Application No. PCT/US2011/062868 having a filing date of 12/01/2011.

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.

Executed this 17<sup>th</sup> day of November, 2011.

Duane A. Burnett  
Duane A. Burnett

**ACKNOWLEDGEMENT**

State of New Jersey            )  
  ) s.s.:  
County of Somerset            )

On this 17<sup>th</sup> day of Nov., 2011, personally appeared before me **Duane A. Burnett** 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)

David D. Byun  
Notary Public  
DAVID D. BYUN  
NOTARY PUBLIC  
STATE OF NEW JERSEY  
My Commission Expires October 23, 2012

**WORLDWIDE ASSIGNMENT**

WHEREAS, I/WE,

- (1) Zhiqiang Zhao, located at Scotch Plains, NJ 07076
- (2) Hubert Josien, located at Jersey City, NJ 07302
- (3) Dmitri A. Pissarnitski, located at Scotch Plains, NJ 07076
- (4) Wen-Lian Wu, located at Edison, NJ 08820

(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 HETEROCYCLES USEFUL AS DIPEPTIDYL PEPTIDASE-IV INHIBITORS

and/or in the following application(s):

U.S. Provisional Application No. 61/419,955 filed on 12/06/2010;

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PCT International Application No. PCT/US2011/062868 having a filing date of 12/01/2011.

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;

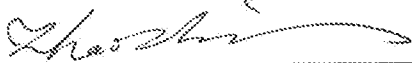
NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I/we, said ASSIGNOR(S), do each hereby sell, assign and transfer or confirm the grant and assignment to said **ASSIGNEE** my/our entire right, title and interest in all countries of the world in and to my/our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

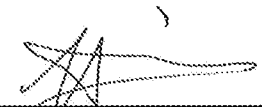
AND I/WE HEREBY covenant and agree that we will at any time, upon the request and at the expense of **ASSIGNEE**, without further compensation or charge to said **ASSIGNEE**, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing invention, 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.

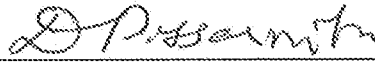
I/WE HEREBY authorize **ASSIGNEE** to insert in this Instrument the Application Number(s) and the filing date(s) of said application for Patents when officially notified thereof.

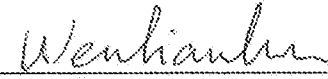
This document may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, but all such components shall together constitute but one and the same document.

Executed this 15<sup>th</sup> day of November, 2011.

  
\_\_\_\_\_  
Zhiqiang Zhao

  
\_\_\_\_\_  
Hubert Josien

  
\_\_\_\_\_  
Dmitri A. Pissarnitski

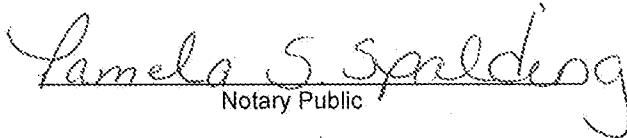
  
\_\_\_\_\_  
Wen-Lian Wu

**ACKNOWLEDGEMENT**

State of New Jersey            )  
  ) s.s.:  
County of Union                 )

On this 15<sup>th</sup> day of November, 2011, personally appeared before me **Zhiqiang Zhao, Hubert Josien, Dmitri A. Pissarnitski, Wen-Lian Wu** 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 Public

**PAMELA S. SPALDING**  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires January 6, 2014

**WORLDWIDE ASSIGNMENT**

WHEREAS, I/WE,  
(1) David Cole, located at Springfield, NJ 07081

(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 HETEROCYCLES USEFUL AS DIPEPTIDYL PEPTIDASE-IV INHIBITORS

and/or in the following application(s):

U.S. Provisional Application No. 61/419,955 filed on 12/6/2010;

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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.

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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 14<sup>th</sup> day of November, 2011.

David Cole  
David Cole

**ACKNOWLEDGEMENT**

State of New Jersey            )  
  ) s.s.:  
County of Union                 )

On this 14<sup>th</sup> day of November, 2011, personally appeared before me **David Cole** 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)

Laura A. Patruno  
Notary Public



**WORLDWIDE ASSIGNMENT**

WHEREAS, I/WE,  
(1) Thavalakulamgar Sasikumar, located at Edison, NJ 08820

(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 HETEROCYCLES USEFUL AS DIPEPTIDYL PEPTIDASE-IV INHIBITORS

and/or in the following application(s):

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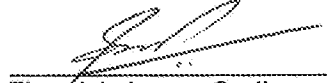
NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I/we, said ASSIGNOR(S), do each hereby sell, assign and transfer or confirm the grant and assignment to said ASSIGNEE my/our entire right, title and interest in all countries of the world in and to my/our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

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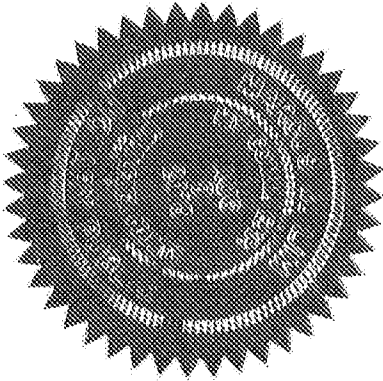
Executed this 22 day of November, 2011.

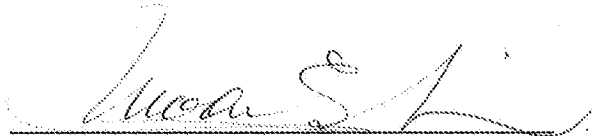
  
\_\_\_\_\_  
Thavalakulamgar Sasikumar

**ACKNOWLEDGEMENT**

State of New Jersey            )  
  ) s.s.:  
County of Middlesex            )

On this 22<sup>nd</sup> day of November, 2011, personally appeared before me **Thavalakulamgar Sasikumar** 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



**WORLDWIDE ASSIGNMENT**

WHEREAS, I/WE,  
(1) Martin Domalski, located at Verona, NJ 07044

(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 HETEROCYCLES USEFUL AS DIPEPTIDYL PEPTIDASE-IV INHIBITORS

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U.S. Provisional Application No. 61/419,955 filed on 12/6/2010;

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Executed this 17 day of November, 2011.

Martin Domalski  
Martin Domalski

**ACKNOWLEDGEMENT**

State of New Jersey            )  
  ) s.s.:  
County of Essex                 )

On this 17 day of November, 2011, personally appeared before me **Martin Domalski** 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)

Attlat Z. Helmy  
Notary Public

Attlat Z. Helmy  
Notary Public, State of New Jersey  
My Commission Expires 12/12/2011