

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

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>Nigel J. Liverton</td> <td>01/20/2012</td> </tr> <tr> <td>John A. McCauley</td> <td>01/20/2012</td> </tr> <tr> <td>John W. Butcher</td> <td>01/17/2012</td> </tr> <tr> <td>Kevin F. Gilbert</td> <td>01/20/2012</td> </tr> <tr> <td>Charles J. McIntyre</td> <td>01/14/2012</td> </tr> <tr> <td>Michael T. Rudd</td> <td>01/20/2012</td> </tr> </tbody> </table>		Name	Execution Date	Nigel J. Liverton	01/20/2012	John A. McCauley	01/20/2012	John W. Butcher	01/17/2012	Kevin F. Gilbert	01/20/2012	Charles J. McIntyre	01/14/2012	Michael T. Rudd	01/20/2012
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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 E. Lincoln Avenue</td> </tr> <tr> <td>Internal Address:</td> <td>RY60-30</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 E. Lincoln Avenue	Internal Address:	RY60-30	City:	Rahway	State/Country:	NEW JERSEY	Postal Code:	07065		
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PROPERTY NUMBERS Total: 1															
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12989672</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12989672										
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Application Number:	12989672														
CORRESPONDENCE DATA															
Fax Number:	(732)594-4720														
Phone:	732-594-7159														
Email:	us_efs@merck.com														
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>															
Correspondent Name:	Merck Sharp & Dohme Corp.														
Address Line 1:	126 E. Lincoln Avenue														
Address Line 2:	RY60-30														
Address Line 4:	Rahway, NEW JERSEY 07065														

CH \$40.00 12989672

ATTORNEY DOCKET NUMBER:	MRL-IFD-22562-US-PCT
NAME OF SUBMITTER:	Stephanie Ricardo
<p><b>Total Attachments: 9</b></p> <p>source=MRLIFD22562USPCT-Assignments#page1.tif source=MRLIFD22562USPCT-Assignments#page2.tif source=MRLIFD22562USPCT-Assignments#page3.tif source=MRLIFD22562USPCT-Assignments#page4.tif source=MRLIFD22562USPCT-Assignments#page5.tif source=MRLIFD22562USPCT-Assignments#page6.tif source=MRLIFD22562USPCT-Assignments#page7.tif source=MRLIFD22562USPCT-Assignments#page8.tif source=MRLIFD22562USPCT-Assignments#page9.tif</p>	

**WORLDWIDE ASSIGNMENT**

WHEREAS, I/WE,

- (1) Nigel J. Liverton, located at Harleysville, Pennsylvania 19438,
- (2) John A. McCauley, located at Maple Glen, Pennsylvania 19002,
- (3) John W. Butcher, located at Berlin, Massachusetts 01503,
- (4) Kevin F. Gilbert, located at Barto, Pennsylvania 19504,
- (5) Charles J. McIntyre, located at Cambridge, Massachusetts 02139,
- (6) Michael T. Rudd, located at Collegeville, Pennsylvania 19426,

(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:

**HCV NS3 PROTEASE INHIBITORS**

and/or in the following application(s):

U.S. Provisional Application No. 61/125,688 filed on 04/28/2008;  
U.S. Application No. 12/989,672 having a filing date of 10/26/2010; and  
PCT International Application No. PCT/US09/40815 having a filing date of 04/16/2009.

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 January, 2012.

Nigel J. Liverton  
Nigel J. Liverton

Kevin F. Gilbert  
Kevin F. Gilbert

John A. McCauley  
John A. McCauley

Michael T. Rudd  
Michael T. Rudd

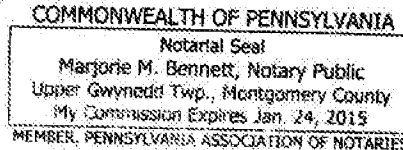
## ACKNOWLEDGEMENT

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

On this 20 day of January, 2012, personally appeared before me **Nigel J. Liverton, John A. McCauley, Kevin F. Gilbert, Michael T. Rudd** 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 \_\_\_\_\_, 2012.

\_\_\_\_\_  
John W. Butcher

## ACKNOWLEDGEMENT

Commonwealth of Massachusetts )  
 ) s.s.:  
County of Suffolk )

On this \_\_\_\_ day of \_\_\_\_\_, 2012, personally appeared before me **John W. Butcher** 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

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2012.

Charles J. McIntyre

## ACKNOWLEDGEMENT

Commonwealth of Massachusetts )  
 ) S.S.  
County of )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2012, personally appeared before me **Charles J. McIntyre** 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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- (2) John A. McCauley, located at Maple Glen, Pennsylvania 19002,
- (3) John W. Butcher, located at Berlin, Massachusetts 01503,
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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.

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Executed this \_\_\_\_ day of \_\_\_\_\_, 2012.

\_\_\_\_\_  
Nigel J. Liverton

\_\_\_\_\_  
John A. McCauley

\_\_\_\_\_  
Kevin F. Gilbert

\_\_\_\_\_  
Michael T. Rudd

**ACKNOWLEDGEMENT**

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

On this \_\_\_\_ day of \_\_\_\_\_, 2012, personally appeared before me **Nigel J. Liverton, John A. McCauley, Kevin F. Gilbert, Michael T. Rudd** 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

Executed this 17 day of January, 2012.

John W. Butcher

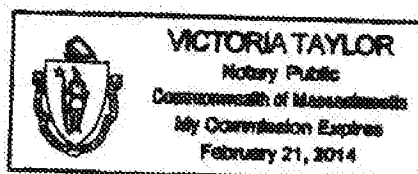
**ACKNOWLEDGEMENT**

Commonwealth of Massachusetts )  
 ) s.s.:  
County of Suffolk )

On this 17th day of January, 2012, personally appeared before me **John W. Butcher** 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)

Victoria Taylor  
Notary Public



Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2012.

Charles J. McIntyre

## ACKNOWLEDGEMENT

Commonwealth of Massachusetts )  
 ) S.S.:  
County of )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2012, personally appeared before me **Charles J. McIntyre** 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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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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**Michael T. Rudd**

Notary Public

Notary Public

Executed this 14 day of January, 2012.

Charles J. McIntyre  
Charles J. McIntyre

ACKNOWLEDGEMENT

Commonwealth of Massachusetts )  
County of Middlesex ) s.s.:

On this 14<sup>th</sup> day of January, 2012, personally appeared before me **Charles J. McIntyre** 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)

[Signature]  
Notary Public

