

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5340425

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
ELIZABETH M. BACON	10/09/2013
JEROMY J. COTTELL	10/09/2013
ASHLEY ANNE KATANA	10/09/2013
JOHN O. LINK	10/17/2013
JAMES TAYLOR	10/16/2013
DARRYL KATO	10/11/2013
CHINH VIET TRAN	09/25/2013
EVAN S. KRYGOWSKI	09/25/2013
TERESA ALEJANDRA TREJO MARTIN	10/09/2013
ZHENG-YU YANG	10/08/2013
SHEILA ZIPFEL	10/08/2013

**RECEIVING PARTY DATA**

<b>Name:</b>	GILEAD SCIENCES, INC.
<b>Street Address:</b>	333 LAKESIDE DRIVE
<b>City:</b>	FOSTER CITY
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94404

**PROPERTY NUMBERS Total: 1**

Property Type	Number
<b>Application Number:</b>	16158204

**CORRESPONDENCE DATA**

**Fax Number:** (650)522-5575

*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:** +1 (650) 522-4279

**Email:** kelsey.fajilan@gilead.com

**Correspondent Name:** GILEAD SCIENCES, INC.

**Address Line 1:** 333 LAKESIDE DRIVE

**Address Line 4:** FOSTER CITY, CALIFORNIA 94404

<b>ATTORNEY DOCKET NUMBER:</b>	852.FCIPC4
<b>NAME OF SUBMITTER:</b>	TIMOTHY A. MARQUART
<b>SIGNATURE:</b>	/Timothy A. Marquart, Reg. No. 63,700/
<b>DATE SIGNED:</b>	01/24/2019

**Total Attachments: 15**

source=852.FCIPC4\_2019-01-23\_Inventor to GSI Signed Assignment#page1.tif  
source=852.FCIPC4\_2019-01-23\_Inventor to GSI Signed Assignment#page2.tif  
source=852.FCIPC4\_2019-01-23\_Inventor to GSI Signed Assignment#page3.tif  
source=852.FCIPC4\_2019-01-23\_Inventor to GSI Signed Assignment#page4.tif  
source=852.FCIPC4\_2019-01-23\_Inventor to GSI Signed Assignment#page5.tif  
source=852.FCIPC4\_2019-01-23\_Inventor to GSI Signed Assignment#page6.tif  
source=852.FCIPC4\_2019-01-23\_Inventor to GSI Signed Assignment#page7.tif  
source=852.FCIPC4\_2019-01-23\_Inventor to GSI Signed Assignment#page8.tif  
source=852.FCIPC4\_2019-01-23\_Inventor to GSI Signed Assignment#page9.tif  
source=852.FCIPC4\_2019-01-23\_Inventor to GSI Signed Assignment#page10.tif  
source=852.FCIPC4\_2019-01-23\_Inventor to GSI Signed Assignment#page11.tif  
source=852.FCIPC4\_2019-01-23\_Inventor to GSI Signed Assignment#page12.tif  
source=852.FCIPC4\_2019-01-23\_Inventor to GSI Signed Assignment#page13.tif  
source=852.FCIPC4\_2019-01-23\_Inventor to GSI Signed Assignment#page14.tif  
source=852.FCIPC4\_2019-01-23\_Inventor to GSI Signed Assignment#page15.tif

## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT**, made by Elizabeth M. Bacon; Jeromy J. Cottell; Ashley Anne Katana; Darryl Kato; Evan S. Krygowski; John O. Link; James Taylor; Chinh Viet Tran; Teresa Alejandra Trejo Martin; Zheng-Yu Yang; and Sheila Zipfel (hereinafter referred to as Assignors), residing at 333 Lakeside Drive, Foster City, California 94404; 333 Lakeside Drive, Foster City, California 94404; 333 Lakeside Drive, Foster City, California 94404; 333 Lakeside Drive, Foster City, California 94404; 2231 California Street, #507, Washington, D.C. 20008; 333 Lakeside Drive, Foster City, California 94404; 333 Lakeside Drive, Foster City, California 94404; 10790 Dabney Drive Apt 2, San Diego, CA 92126; 333 Lakeside Drive, Foster City, California 94404; 333 Lakeside Drive, Foster City, California 94404; and 333 Lakeside Drive, Foster City, California 94404, respectively;

---

**WHEREAS**, Assignors have invented certain new and useful improvements in ANTIVIRAL COMPOUNDS, set forth in a Patent application for Letters Patent of the United States, already filed on November 16, 2012 as U.S. Application No. 13/679,862; and

**WHEREAS**, Gilead Sciences, Inc., a Corporation organized under and pursuant to the laws of Delaware having its principal place of business at 333 Lakeside Drive, Foster City, California 94404 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.


**NOW, THEREFORE**, to all whom it may concern, be it known that for good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations, continuations-in-part, and continuing applications of said


application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

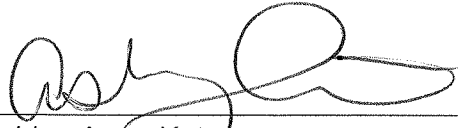
**AND** for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

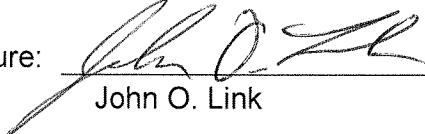
Date: 9 Oct 2013 Signature:   
Elizabeth M. Bacon

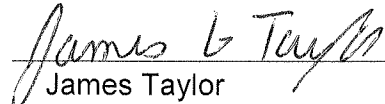
Date: 10-9-13 Signature:   
Jeromy J. Cottell

Date: 10/9/13 Signature:   
Ashley Anne Katana

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Darryl Kato

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Evan S. Krygowski

Date: 10/17/13 Signature:   
John O. Link

Date: 16 Oct 2013 Signature:   
James Taylor

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Chinh Viet Tran

## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT**, made by Elizabeth M. Bacon; Jeromy J. Cottell; Ashley Anne Katana; Darryl Kato; Evan S. Krygowski; John O. Link; James Taylor; Chinh Viet Tran; Teresa Alejandra Trejo Martin; Zheng-Yu Yang; and Sheila Zipfel (hereinafter referred to as Assignors), residing at 333 Lakeside Drive, Foster City, California 94404; 333 Lakeside Drive, Foster City, California 94404; 333 Lakeside Drive, Foster City, California 94404; 333 Lakeside Drive, Foster City, California 94404; 2231 California Street, #507, Washington, D.C. 20008; 333 Lakeside Drive, Foster City, California 94404; 333 Lakeside Drive, Foster City, California 94404; 10790 Dabney Drive Apt 2, San Diego, CA 92126; 333 Lakeside Drive, Foster City, California 94404; 333 Lakeside Drive, Foster City, California 94404; and 333 Lakeside Drive, Foster City, California 94404, respectively;

---

**WHEREAS**, Assignors have invented certain new and useful improvements in ANTIVIRAL COMPOUNDS, set forth in a Patent application for Letters Patent of the United States, already filed on November 16, 2012 as U.S. Application No. 13/679,862; and

**WHEREAS**, Gilead Sciences, Inc., a Corporation organized under and pursuant to the laws of Delaware having its principal place of business at 333 Lakeside Drive, Foster City, California 94404 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, to all whom it may concern, be it known that for good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations, continuations-in-part, and continuing applications of said

application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

**AND** for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

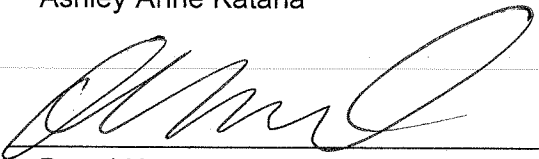
**AND** for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Elizabeth M. Bacon

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Jeromy J. Cottell

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Ashley Anne Katana

Date: 10/11/2013 Signature:   
Darryl Kato

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Evan S. Krygowski

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
John O. Link

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
James Taylor

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Chinh Viet Tran



## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT**, made by Elizabeth M. Bacon; Jeromy J. Cottell; Ashley Anne Katana; Darryl Kato; Evan S. Krygowski; John O. Link; James Taylor; Chinh Viet Tran; Teresa Alejandra Trejo Martin; Zheng-Yu Yang; and Sheila Zipfel (hereinafter referred to as Assignors), residing at 333 Lakeside Drive, Foster City, California 94404; 333 Lakeside Drive, Foster City, California 94404; 333 Lakeside Drive, Foster City, California 94404; 333 Lakeside Drive, Foster City, California 94404; 2231 California Street, #507, Washington, D.C. 20008; 333 Lakeside Drive, Foster City, California 94404; 333 Lakeside Drive, Foster City, California 94404; 10790 Dabney Drive Apt 2, San Diego, CA 92126; 333 Lakeside Drive, Foster City, California 94404; 333 Lakeside Drive, Foster City, California 94404; and 333 Lakeside Drive, Foster City, California 94404, respectively;

---

**WHEREAS**, Assignors have invented certain new and useful improvements in ANTIVIRAL COMPOUNDS, set forth in a Patent application for Letters Patent of the United States, already filed on November 16, 2012 as U.S. Application No. 13/679,862; and

**WHEREAS**, Gilead Sciences, Inc., a Corporation organized under and pursuant to the laws of Delaware having its principal place of business at 333 Lakeside Drive, Foster City, California 94404 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, to all whom it may concern, be it known that for good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations, continuations-in-part, and continuing applications of said

application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

**AND** for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Elizabeth M. Bacon

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Jeromy J. Cottell

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Ashley Anne Katana

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Darryl Kato

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Evan S. Krygowski

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
John O. Link

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
James Taylor

Date: 9-25-13 Signature: Chinh Viet Tran  
Chinh Viet Tran

## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT**, made by Elizabeth M. Bacon; Jeromy J. Cottell; Ashley Anne Katana; Darryl Kato; Evan S. Krygowski; John O. Link; James Taylor; Chinh Viet Tran; Teresa Alejandra Trejo Martin; Zheng-Yu Yang; and Sheila Zipfel (hereinafter referred to as Assignors), residing at 333 Lakeside Drive, Foster City, California 94404; 333 Lakeside Drive, Foster City, California 94404; 333 Lakeside Drive, Foster City, California 94404; 333 Lakeside Drive, Foster City, California 94404; 2231 California Street, #507, Washington, D.C. 20008; 333 Lakeside Drive, Foster City, California 94404; 333 Lakeside Drive, Foster City, California 94404; 10790 Dabney Drive Apt 2, San Diego, CA 92126; 333 Lakeside Drive, Foster City, California 94404; 333 Lakeside Drive, Foster City, California 94404; and 333 Lakeside Drive, Foster City, California 94404, respectively;

---

**WHEREAS**, Assignors have invented certain new and useful improvements in ANTIVIRAL COMPOUNDS, set forth in a Patent application for Letters Patent of the United States, already filed on November 16, 2012 as U.S. Application No. 13/679,862; and

**WHEREAS**, Gilead Sciences, Inc., a Corporation organized under and pursuant to the laws of Delaware having its principal place of business at 333 Lakeside Drive, Foster City, California 94404 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, to all whom it may concern, be it known that for good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations, continuations-in-part, and continuing applications of said

application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

**AND** for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Elizabeth M. Bacon

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Jeromy J. Cottell

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Ashley Anne Katana

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Darryl Kato

Date: Sept. 25, 2013 Signature:   
Evan S. Krygowski

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
John O. Link

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
James Taylor

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Chinh Viet Tran

## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT**, made by Elizabeth M. Bacon; Jeromy J. Cottell; Ashley Anne Katana; Darryl Kato; Evan S. Krygowski; John O. Link; James Taylor; Chinh Viet Tran; Teresa Alejandra Trejo Martin; Zheng-Yu Yang; and Sheila Zipfel (hereinafter referred to as Assignors), residing at 333 Lakeside Drive, Foster City, California 94404; 333 Lakeside Drive, Foster City, California 94404; 333 Lakeside Drive, Foster City, California 94404; 333 Lakeside Drive, Foster City, California 94404; 2231 California Street, #507, Washington, D.C. 20008; 333 Lakeside Drive, Foster City, California 94404; 333 Lakeside Drive, Foster City, California 94404; 10790 Dabney Drive Apt 2, San Diego, CA 92126; 333 Lakeside Drive, Foster City, California 94404; 333 Lakeside Drive, Foster City, California 94404; and 333 Lakeside Drive, Foster City, California 94404, respectively;

---

**WHEREAS**, Assignors have invented certain new and useful improvements in ANTIVIRAL COMPOUNDS, set forth in a Patent application for Letters Patent of the United States, already filed on November 16, 2012 as U.S. Application No. 13/679,862; and

**WHEREAS**, Gilead Sciences, Inc., a Corporation organized under and pursuant to the laws of Delaware having its principal place of business at 333 Lakeside Drive, Foster City, California 94404 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, to all whom it may concern, be it known that for good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations, continuations-in-part, and continuing applications of said

application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

**AND** for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.



Date: 10-9-13

Signature: Teresa Alejandra Trejo-Martin  
Teresa Alejandra Trejo Martin

Date: 10/8/2013

Signature: Zheng-Yu Yang  
Zheng-Yu Yang

Date: 10/8/2013

Signature: Sheila Zipfel  
Sheila Zipfel