505503105 05/31/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5549909

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ELIZABETH M. BACON	01/11/2018
ELBERT CHIN	01/11/2018
JEROMY J. COTELL	01/11/2018
ASHLEY ANNE KATANA	01/11/2018
DARRYL KATO	01/11/2018
JOHN O. LINK	01/11/2018
NATHAN SHAPIRO	01/12/2018
TERESA ALEJANDRA TREJO MARTIN	01/12/2018
ZHENG-YU YANG	01/12/2018

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16364487

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) 522-1184

Email: JT.SAINI@GILEAD.COM **Correspondent Name:** GILEAD SCIENCES, INC. Address Line 1: 333 LAKESIDE DRIVE

Address Line 4: FOSTER CITY, CALIFORNIA 94404

ATTORNEY DOCKET NUMBER:	1204.PC2
NAME OF SUBMITTER:	LIUCHUN YANG

PATENT REEL: 049332 FRAME: 0113 505503105

SIGNATURE:	/Liuchun Yang, Reg. No. 69,330/		
DATE SIGNED:	05/31/2019		
Total Attachments: 12			
source=1204.PC-PF_Signed Assignme	nt#page1.tif		
source=1204.PC-PF_Signed Assignme	nt#page2.tif		
source=1204.PC-PF_Signed Assignme	nt#page3.tif		
source=1204.PC-PF_Signed Assignme	source=1204.PC-PF_Signed Assignment#page4.tif		
source=1204.PC-PF_Signed Assignme	source=1204.PC-PF_Signed Assignment#page5.tif		
source=1204.PC-PF_Signed Assignment#page6.tif			
source=1204.PC-PF_Signed Assignment#page7.tif			
source=1204.PC-PF_Signed Assignment#page8.tif			
source=1204.PC-PF_Signed Assignment#page9.tif			
source=1204.PC-PF_Signed Assignment#page10.tif			
source=1204.PC-PF_Signed Assignment#page11.tif			
source=1204.PC-PF_Signed Assignment#page12.tif			

PATENT REEL: 049332 FRAME: 0114

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made by Elizabeth M. Bacon; Elbert Chin; Jeromy J. Cottell; Darryl Kato; John O. Link; Nathan Shapiro; Teresa Alejandra Trejo Martin; and Zheng-Yu Yang, who reside at or have a mailing address at c/o Gilead Sciences, Inc., 333 Lakeside Drive, Foster City, California 94404 respectively and; Ashley Anne Katana, who resides at 6599 Nancy Drive, North Olmsted, Ohio 44070 (hereinafter referred to as Assignors).

WHEREAS, Assignors have invented certain new and useful improvements in HIV INHIBITOR COMPOUNDS, set forth in a Patent application for Letters Patent of the United States, for which Assignors have filed an application for patent both under the Patent Cooperation Treaty (PCT) and in the United States of America concurrently herewith. Where this Assignment is not filed concurrently with the application, the following identifying information may be added after execution:

U.S. Serial No.: <u>15/888,749</u> Filing Date: February 5, 2018

PCT Serial No.: PCT/US2018/016893 Filing Date: February 5, 2018

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 applications for Letters Patent, and in and to any and all direct and indirect

1204.8C-PF

provisionals, national stage applications, divisions, continuations, continuations-in-part, substitutions, and reissues 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.

2

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

I hereby grant Assignee(s), the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark office for recordation of this document, including the power to insert on this assignment the application number and filing date of said application when known.

Date:	11 Jan 2018	Signature: Gold Gold Elizabeth M. Bacon
Date:	1/11/18	Signature: Elbert Chin
Date:	<u> /~//~/8~</u>	Signature: Jeromy J. Cottell
Date:		Signature: Ashley Anne Katana
Date:	1 18	Signature: Darryl Kato
Date:	1/11/18	Signature: John O. Link
Date:	1/12/18	Signature: Nathan Shapiro

Date:	1/12/2018	Signature:	Trisa	Clycudra	Tago - Nortas
			Teresa A	lejandra Trejo M	artin
	1/12/2018		4		
Date:	1114/248	Signature:	State Control of the	- Artistan	Andrew Control of the
			Zheng-Y	u Yang	

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made by Elizabeth M. Bacon; Elbert Chin; Jeromy J. Cottell; Darryl Kato; John O. Link; Nathan Shapiro; Teresa Alejandra Trejo Martin; and Zheng-Yu Yang, who reside at or have a mailing address at c/o Gilead Sciences, Inc., 333 Lakeside Drive, Foster City, California 94404 respectively and; Ashley Anne Katana, who resides at 6599 Nancy Drive, North Olmsted, Ohio 44070 (hereinafter referred to as Assignors).

WHEREAS, Assignors have invented certain new and useful improvements in HIV INHIBITOR COMPOUNDS, set forth in a Patent application for Letters Patent of the United States, for which Assignors have filed an application for patent both under the Patent Cooperation Treaty (PCT) and in the United States of America concurrently herewith. Where this Assignment is not filed concurrently with the application, the following identifying information may be added after execution:

U.S. Serial No.: 15/888,749 Filing Date: February 5, 2018

PCT Serial No.: PCT/US2018/016893 Filing Date: February 5, 2018

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 applications for Letters Patent, and in and to any and all direct and indirect

provisionals, national stage applications, divisions, continuations, continuations-in-part, substitutions, and reissues 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.

2 1204.PC-PF

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

I hereby grant Assignee(s), the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark office for recordation of this document, including the power to insert on this assignment the application number and filing date of said application when known.

Date:	Signature:	Elizabeth M. Bacon
Date:		Elbert Chin
Date:	Signature:	Jeromy J. Cottell
Date: 1/11/2018	Signature:	Ashley Anne Katana
Date:	Signature:	Darryl Kato
Date:		John O. Link
Date:	Signature:	Nathan Shapiro

Date:	Signature:	
		Teresa Alejandra Trejo Martin
Date:	Signature: _	
		Zheng-Yu Yang

4 1204.PC-PF

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made by Elizabeth M. Bacon; Elbert Chin; Jeromy J. Cottell; Darryl Kato; John O. Link; Nathan Shapiro; Teresa Alejandra Trejo Martin; and Zheng-Yu Yang, who reside at or have a mailing address at c/o Gilead Sciences, Inc., 333 Lakeside Drive, Foster City, California 94404 respectively and; Ashley Anne Katana, who resides at 6599 Nancy Drive, North Olmsted, Ohio 44070 (hereinafter referred to as Assignors).

WHEREAS, Assignors have invented certain new and useful improvements in HIV INHIBITOR COMPOUNDS, set forth in a Patent application for Letters Patent of the United States, for which Assignors have filed an application for patent both under the Patent Cooperation Treaty (PCT) and in the United States of America concurrently herewith. Where this Assignment is not filed concurrently with the application, the following identifying information may be added after execution:

U.S. Serial No.:	Filing Date:		
PCT Serial No.:	Filing Date:		

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 applications for Letters Patent, and in and to any and all direct and indirect

provisionals, national stage applications, divisions, continuations, continuations-in-part, substitutions, and reissues 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.

2 1204.PC-PF

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

I hereby grant Assignee(s), the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark office for recordation of this document, including the power to insert on this assignment the application number and filing date of said application when known.

	Signature:	Elizabeth M. Bacon
		Elizabeth M. Bacon
·	Signature:	Elbert Chin
	Signature:	
		Jeromy J. Cottell
		Ω
1/11/2018	Signature:	Ashley Anne Katana
		Asiney Affile Katana
	Cionatura	
	Signature.	Darryl Kato
	Signature:	John O. Link
		John O. Link
	Signature:	Nathan Shapiro
	1/11/2018	Signature:

Date:	_ Signature:	
		Teresa Alejandra Trejo Martin
_		
Date:	_ Signature: _	
		Zheng-Yu Yang

1204.PC-PF

4