PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4836767

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Steven S. Bondy	05/30/2013
Carina E. Cannizzaro	06/13/2013
Chien-Hung Chou	05/30/2013
Randall L. Halcomb	05/22/2013
Yunfeng Eric Hu	07/09/2013
John O Link	05/20/2013
Scott D. Schroeder	05/30/2013
Winston C. Tse	05/30/2013
Jennifer R. Zhang	05/30/2013
Qi Liu	05/30/2013

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:	15902883

CORRESPONDENCE DATA

Fax Number: (877)769-7945

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: (858) 678-5635 Email: apsi@fr.com

CRYSTAL L. CULHANE **Correspondent Name:** Address Line 1: FISH & RICHARDSON P.C.

Address Line 2: P.O.BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER: 35648-0030003

REEL: 045011 FRAME: 0898 504790035

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NAME OF SUBMITTER:	MARY FLORCZAK
SIGNATURE:	/Mary Florczak/
DATE SIGNED:	02/22/2018
Total Attachments: 8	
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PATENT REEL: 045011 FRAME: 0899

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made by Steven S. Bondy; Carina E. Cannizzaro; Chien-Hung Chou; Randall L. Halcomb; Yunfeng E. Hu; John O. Link; Qi Liu; Scott D. Schroeder; Winston C. Tse; and Jennifer R. Zhang (hereinafter referred to as Assignors), residing at 95 Hillview Drive, Danville, California 94506, UNITED STATES OF AMERICA; 198 Beach Park Blvd., Foster City, California 94404, UNITED STATES OF AMERICA; 769 Wall Street, Livermore, California 94550, UNITED STATES OF AMERICA; 892 Gull Avenue, Foster City, California 94404, UNITED STATES OF AMERICA; 308 Hobart Avenue, San Mateo, California 94402, UNITED STATES OF AMERICA; 74 Prospect Avenue, San Francisco, California 94110, UNITED STATES OF AMERICA; 32417 Westport Court, Union City, California 94587, UNITED STATES OF AMERICA; 817 Catamaran St. #2, Foster City, California 94404, UNITED STATES OF AMERICA; 801 Windblown Lane, Redwood City, California 94065, UNITED STATES OF AMERICA; and 4572 Niland Street, Union City, California 94587, UNITED STATES OF AMERICA; respectively;

WHEREAS, Assignors have invented certain new and useful improvements in COMPOUNDS FOR THE TREATMENT OF HIV, set forth in a Patent application for Letters Patent of the United States, already filed on July 5, 2012 as U.S. Application No. PCT/US2012/045630; 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

Attorney Docket No.: 869.PF

PATENT REEL: 045011 FRAME: 0900 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.

Attorney Docket No.: 869.PF 2

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

Date: <u>5/30/13</u>	Signature: Steven S. Bondy
Date:	Signature:Carina E. Cannizzaro
Date: 5/30/2013	Signature: Chien-Hung Chou
Date: 5/72/2013	Signature: Fandall A. Halcomb
Date:	Signature: Yunfeng E. Hu
Date: 5/20/13	Signature: John O. Link
Date: 5/30(2013	Signature: Qi Liu
Date: 5/30/2013	Signature: Scott D. Schroeder

Date: May 35, 708 Signature:

Winston C. Tse

Date: May 30,2013 Signature: 20pm/s

Attorney Docket No.: 869.PF

4

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made by Steven S. Bondy; Carina E. Cannizzaro; Chien-Hung Chou; Randall L. Halcomb; Yunfeng E. Hu; John O. Link; Qi Liu; Scott D. Schroeder; Winston C. Tse; and Jennifer R. Zhang (hereinafter referred to as Assignors), residing at 95 Hillview Drive, Danville, California 94506, UNITED STATES OF AMERICA; 198 Beach Park Blvd., Foster City, California 94404, UNITED STATES OF AMERICA; 769 Wall Street, Livermore, California 94550, UNITED STATES OF AMERICA; 892 Gull Avenue, Foster City, California 94404, UNITED STATES OF AMERICA; 308 Hobart Avenue, San Mateo, California 94402, UNITED STATES OF AMERICA; 74 Prospect Avenue, San Francisco, California 94110, UNITED STATES OF AMERICA; 32417 Westport Court, Union City, California 94587, UNITED STATES OF AMERICA; 817 Catamaran St. #2, Foster City, California 94404, UNITED STATES OF AMERICA; 801 Windblown Lane, Redwood City, California 94065, UNITED STATES OF AMERICA; and 4572 Niland Street, Union City, California 94587, UNITED STATES OF AMERICA, respectively;

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Attorney Docket No.: 869.PF

PATENT REEL: 045011 FRAME: 0904 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.

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Attorney Docket No.: 869.PF 2

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Date:		Signature:	Steven S. Bondy
Date:	6/13/13	Signature:	Carina E. Cannizzaro
Date:		Signature:	Chien-Hung Chou
Date:			Randall L. Halcomb
Date:		Signature:	Yunfeng E. Hu
Date:		Signature:	John O. Link
Date:		Signature:	Qì Liu
Date:		Signature:	Scott D. Schroeder

Attorney Docket No.: 869.PF

3

Date:	_ Signature:		
		Winston C. Tse	
Date:	_ Signature:		
		Jennifer R. Zhang	

Attorney Docket No.: 869.PF

4