



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JUNE 1, 2023

PTAS

GILEAD SCIENCES, INC.
333 LAKESIDE DRIVE
FOSTER CITY, CA 94404

507934820

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT RECORDATION BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE ASSIGNMENT RECORDATION BRANCH AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT RECORDATION BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 05/31/2023

REEL/FRAME: 063812/0668
NUMBER OF PAGES: 14

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 1422-US-NP/WO-PCT

ASSIGNOR:

CHO, AESOP

DOC DATE: 05/08/2023

ASSIGNOR:

DE LA FUENTE, KATHERINE

DOC DATE: 05/08/2023

ASSIGNOR:

STRATTON, THOMAS P.

DOC DATE: 05/16/2023

ASSIGNOR:

WANG, PEIYUAN

DOC DATE: 05/14/2023

ASSIGNOR:

WATKINS, WILLIAM J.

DOC DATE: 05/08/2023

ASSIGNOR:

XU, JIE

DOC DATE: 05/16/2023

ASSIGNOR:

YANG, KIN S.

DOC DATE: 04/28/2023

ASSIGNEE:

GILEAD SCIENCES, INC.
333 LAKESIDE DRIVE
FOSTER CITY, CALIFORNIA 94404

APPLICATION NUMBER: 18319846 FILING DATE:
PATENT NUMBER: ISSUE DATE:
TITLE: ANTIVIRAL INDOLINYL COMPOUNDS AND USES THEREOF

APPLICATION NUMBER: FILING DATE:
PATENT NUMBER: ISSUE DATE:
PCT NUMBER: US2023022679
TITLE: ANTIVIRAL INDOLINYL COMPOUNDS AND USES THEREOF

ASSIGNMENT RECORDATION BRANCH
PUBLIC RECORDS DIVISION

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7981948

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
AESOP CHO	05/08/2023
KATHERINE DE LA FUENTE	05/08/2023
THOMAS P. STRATTON	05/16/2023
PEIYUAN WANG	05/14/2023
WILLIAM J. WATKINS	05/08/2023
JIE XU	05/16/2023
KIN S. YANG	04/28/2023
RECEIVING PARTY DATA	
Name:	GILEAD SCIENCES, INC.
Street Address:	333 LAKESIDE DRIVE
City:	FOSTER CITY
State/Country:	CALIFORNIA
Postal Code:	94404
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	18319846
PCT Number:	US2023022679
CORRESPONDENCE DATA	
Fax Number:	(650)522-5575
<i>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.</i>	
Phone:	6505743000
Email:	shannon.wong19@gilead.com
Correspondent Name:	GILEAD SCIENCES, INC.
Address Line 1:	333 LAKESIDE DRIVE
Address Line 4:	FOSTER CITY, CALIFORNIA 94404
ATTORNEY DOCKET NUMBER:	1422-US-NP/WO-PCT
NAME OF SUBMITTER:	SHANNON WONG
SIGNATURE:	/Shannon Wong/

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made by Aesop Cho; Katherine De La Fuente; Thomas P. Stratton; William J. Watkins; Jie Xu (hereinafter referred to as Assignors), who reside at or have a mailing address at c/o Gilead Sciences, Inc., 333 Lakeside Drive, Foster City, California 94404; Peiyuan Wang, who resides at or has a mailing address at 1648 Toyon Ct. San Mateo, California 94403; and Kin S. Yang, who resides at or has a mailing address at 876 Ursa Lane, Foster City, California 94404 (also hereinafter collectively referred to as Assignors);

WHEREAS, Assignors have invented certain new and useful improvements in ANTIVIRAL INDOLINYL COMPOUNDS AND USES THEREOF, 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.: 18/319,846 Filing Date: May 18, 2023

PCT Serial No.: PCT/US2023/022679 Filing Date: May 18, 2023

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.

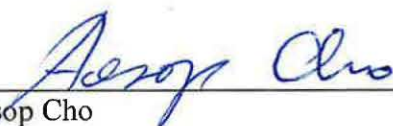
AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement 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.

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: 5/8/2023

Signature: 
Aesop Cho

Date: 5/8/2023

Signature: 
Katherine De La Fuente

Date: 5/16/2023

Signature: 
Thomas P. Stratton

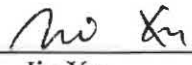
Date: _____

Signature: _____
Peiyuan Wang

Date: 5/8/23

Signature: 
William J. Watkins

Date: 5/16/2023

Signature: 
Jie Xu

Date: _____

Signature: _____
Kin S. Yang

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made by Aesop Cho; Katherine De La Fuente; Thomas P. Stratton; William J. Watkins; Jie Xu (hereinafter referred to as Assignors), who reside at or have a mailing address at c/o Gilead Sciences, Inc., 333 Lakeside Drive, Foster City, California 94404; Peiyuan Wang, who resides at or has a mailing address at 1648 Toyon Ct. San Mateo, California 94403; and Kin S. Yang, who resides at or has a mailing address at 876 Ursa Lane, Foster City, California 94404 (also hereinafter collectively referred to as Assignors);

WHEREAS, Assignors have invented certain new and useful improvements in ANTIVIRAL INDOLINYL COMPOUNDS AND USES THEREOF, 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.: 18/319,846 Filing Date: May 18, 2023

PCT Serial No.: PCT/US2023/022679 Filing Date: May 18, 2023

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.

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: _____
Aesop Cho

Date: _____ Signature: _____
Katherine De La Fuente

Date: _____ Signature: _____
Thomas P. Stratton

Date: 5/14/2023 Signature: Peiyuan Wang
Peiyuan Wang

Date: _____ Signature: _____
William J. Watkins

Date: _____

Signature: _____
Jie Xu

Date: _____

Signature: _____
Kin S. Yang

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made by Aesop Cho; Katherine De La Fuente; Thomas P. Stratton; William J. Watkins; Jie Xu (hereinafter referred to as Assignors), who reside at or have a mailing address at c/o Gilead Sciences, Inc., 333 Lakeside Drive, Foster City, California 94404; Peiyuan Wang, who resides at or has a mailing address at 1648 Toyon Ct. San Mateo, California 94403; and Kin S. Yang, who resides at or has a mailing address at 876 Ursa Lane, Foster City, California 94404 (also hereinafter collectively referred to as Assignors);

WHEREAS, Assignors have invented certain new and useful improvements in ANTIVIRAL INDOLINYL COMPOUNDS AND USES THEREOF, 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.: 18/319,846 Filing Date: May 18, 2023

PCT Serial No.: PCT/US2023/022679 Filing Date: May 18, 2023

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.

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: _____
Aesop Cho

Date: _____ Signature: _____
Katherine De La Fuente

Date: _____ Signature: _____
Thomas P. Stratton

Date: _____ Signature: _____
Peiyuan Wang

Date: _____ Signature: _____
William J. Watkins

Date: _____

Signature: _____
Jie Xu

Date: 4/28/23

Signature: 
Kin S. Yang

PCT REQUEST

(Original in Electronic Form)

VIII-2-1	Declaration: Entitlement to apply for and be granted a patent Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent (Rules 4.17(ii) and 51bis.1(a)(ii)), in a case where the declaration under Rule 4.17(iv) is not appropriate: Name (LAST, First)	In relation to this international application GILEAD SCIENCES, INC. is entitled to apply for and be granted a patent by virtue of the following:
VIII-2-1 (iv)		an assignment from CHO, Aesop to GILEAD SCIENCES, INC., dated 08 May 2023 (08.05.2023)
VIII-2-1 (iv)		an assignment from DE LA FUENTE, Katherine to GILEAD SCIENCES, INC., dated 08 May 2023 (08.05.2023)
VIII-2-1 (iv)		an assignment from STRATTON, Thomas P. to GILEAD SCIENCES, INC., dated 16 May 2023 (16.05.2023)
VIII-2-1 (iv)		an assignment from WANG, Peiyuan to GILEAD SCIENCES, INC., dated 14 May 2023 (14.05.2023)
VIII-2-1 (iv)		an assignment from WATKINS, William J. to GILEAD SCIENCES, INC., dated 08 May 2023 (08.05.2023)
VIII-2-1 (iv)		an assignment from XU, Jie to GILEAD SCIENCES, INC., dated 16 May 2023 (16.05.2023)
VIII-2-1 (iv)		an assignment from YANG, Kin S. to GILEAD SCIENCES, INC., dated 28 April 2023 (28.04.2023)