503113717 12/23/2014

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
WILLIAM E. DELANEY	10/09/2013
JOHN O. LINK	10/17/2013
HONGMEI MO	11/07/2013
DAVID W. OLDACH	10/01/2013
ADRIAN S. RAY	10/09/2013
WILLIAM J. WATKINS	10/09/2013
CHENG YONG YANG	10/09/2013
WEIDONG ZHONG	10/02/2013

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:	14513900

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.

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Email:sylvia.brennan@gilead.comCorrespondent Name:GILEAD SCIENCES, INC.Address Line 1:333 LAKESIDE DRIVE

Address Line 4: FOSTER CITY, CALIFORNIA 94404

ATTORNEY DOCKET NUMBER:	851.P2FUSC	
NAME OF SUBMITTER:	BRIAN C. REMY	
SIGNATURE:	/Brian C. Remy, Reg. No. 48,176/	
DATE SIGNED:	12/23/2014	
	PAIENI	

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PATENT REEL: 034576 FRAME: 0046

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made by William E. Delaney; John O. Link; Hongmei Mo; Adrian S. Ray; William J. Watkins and Cheng Yong Yang located at c/o Gilead Sciences, Inc., 333 Lakeside Drive, Foster City, California 94404 and David W. Oldach located at 9111 Laurel Springs Drive, Chapel Hill, North Carolina 27516 and Weidong Zhong located at 3379 Glencoe Circle, San Ramon, California 94582; (hereinafter referred to as Assignors) respectively

WHEREAS, Assignors have invented certain new and useful improvements in METHODS FOR TREATING HCV, set forth in a Patent application for Letters Patent of the United States, already filed on June 19, 2013 as U.S. Application No. 13/995,797; 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: 10 9 2013	Signature:	William E. Delaney
Date: <u>/()//7//3</u>	Signature:	
Date: 11/7/13	Signature:	Hongmei Mo
Date:	Signature:	David W. Oldach
Date: Octobe-91/2013	Signature:	Adrian S. Ray
Date: 9 HOctober 2013	Signature:	William J. Watkins
Date: geh Oct. 2013		Cheng Yong Yang
Date:	Signature:	Weidong Zhong

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

Date:	Signature:	William E. Delaney
Date:	Signature: _.	John O. Link
Date:		Hongmei Mo
Date: 01-04-2013		David W. Oldnel
Date:	Signature:	Adrian S. Ray
Date:	Signature: _	William J. Watkins
Date:	Signature: _	Cheng Yong Yang
Date:	Signature: _	Weidong Zhong

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

Date:		Signature:	APUP TO THE POPULATION OF THE
Date;		Signature:	William E. Delaney John O. Link
Date:		Signature:	Hongmei Mo
	· ·		David W. Oldach
Date:		Signature:	Adrian S. Ray
Date:	NAME of the Control o	Signature:	William J. Watkins
Date:		Signature: _	Cheng Yong Yang
Date:	10/2/2013	Signature: _	Weidong Zhong

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RECORDED: 12/23/2014