

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4451995

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
BRANDON HEATH BROWN	12/10/2015
BRENDA J. BURKE CHAN	12/10/2015
ANNA CHIU	12/10/2015
NOLAN GRIGGS	12/10/2015
LARS V. HEUMANN	12/10/2015
STEPHEN P. LATHROP	12/10/2015
TROY EVAN REYNOLDS	12/10/2015
KESHAB SARMA	12/10/2015
DAVID ALLEN SILER	12/10/2015
ANDREW S. THOMPSON	12/11/2015
TAO WANG	12/09/2015
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:	15413154
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:	650-574-3000
Email:	karen.iovino@gilead.com
Correspondent Name:	GILEAD SCIENCES, INC.
Address Line 1:	333 LAKESIDE DRIVE
Address Line 4:	FOSTER CITY, CALIFORNIA 94404

ATTORNEY DOCKET NUMBER:	1073.P2CD
NAME OF SUBMITTER:	BRIANA R. BARRON, REG. NO. 70,906
SIGNATURE:	/BRIANA R. BARRON/
DATE SIGNED:	06/08/2017

Total Attachments: 16

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ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made by Brandon Heath Brown; Brenda J. Burke Chan; Anna Chiu; Nolan Griggs; Lars V. Heumann; Stephen P. Lathrop; Troy Evan Reynolds; Keshab Sarma; and David Allen Siler; who reside at or have a mailing address at c/o Gilead Sciences, Inc., 333 Lakeside Drive, Foster City, California 94404; Andrew S. Thompson, who has a mailing address at c/o J-Star Research, Inc. 3001 Hadley Road, Unit 1-4; South Plainfield, New Jersey 07080; and Tao Wang, who resides at or has a mailing address at 25 Swenson Circle, Berkeley Heights, New Jersey 07922, (hereinafter referred to as Assignors), respectively;

WHEREAS, Assignors have invented certain new and useful improvements in PROCESSES FOR PREPARING ASK1 INHIBITORS, 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:

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PCT Serial No.: PCT/US2015/067511 Filing Date: December 22, 2015

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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: _____
Brandon Heath Brown

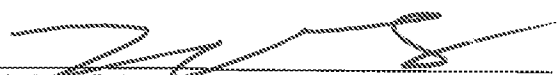
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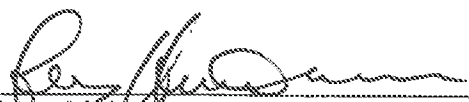
Signature: 
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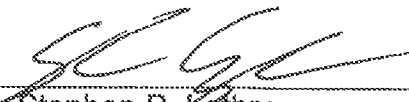
Date: _____

Signature: _____
Anna Chiu

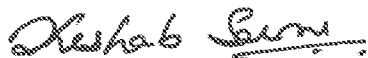
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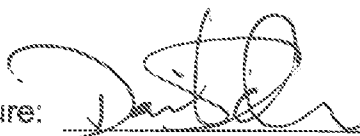
Signature: 
Nolan Griggs

Date: Dec 10, 2015 Signature: 
Lars V. Heumann

Date: Dec 10, 2015 Signature: 
Stephen P. Rathrop

Date: _____ Signature: _____
Troy Evan Reynolds

Date: 10 DEC 2015 Signature: 
Keshab Sarma

Date: 10 DEC 2015 Signature: 
David Allen Siler

Date: _____ Signature: _____
Andrew S. Thompson

Date: _____ Signature: _____
Tao Wang

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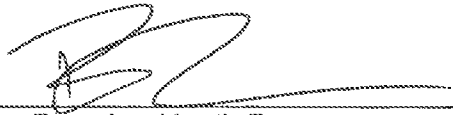
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Date: 12/10/15 Signature: 
Brandon Heath Brown

Date: _____ Signature: _____
Brenda J. Burke Chan

Date: 12/10/15 Signature: 
Anna Chiu

Date: _____ Signature: _____
Nolan Griggs

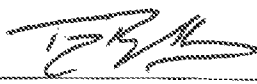
Date: _____

Signature: _____
Lars V. Heumann

Date: _____

Signature: _____
Stephen P. Lathrop

Date: 12/10/2015

Signature:  _____
Troy Evan Reynolds

Date: _____

Signature: _____
Keshab Sarma

Date: _____

Signature: _____
David Allen Siler

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Signature: _____
Andrew S. Thompson

Date: _____

Signature: _____
Tao Wang

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Keshab Sarma

Date: _____ Signature: _____
David Allen Siler

Date: December 11th, 2015 Signature: Andrew S. Thompson
Andrew S. Thompson

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Keshab Sarma

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Signature: _____
David Allen Siler

Date: _____

Signature: _____
Andrew S. Thompson

Date: 09 Dec 2015

Signature: Tao Wang
Tao Wang