

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5042044

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MARK WHITE	09/07/2017
SANDEEP KUMAR	10/16/2017
CHRISTOPHER CHAN	09/08/2017
SPENCER LIANG	09/07/2017
LANCE STAPLETON	09/28/2017
ANDREW W. DRAKE	09/08/2017
MAYA KOTTURI	09/08/2017
HSIN-YAUN CHENG	09/08/2017
KYLE HANSEN	09/14/2017
RICHARD THEOLIS	09/18/2017
RADHIKA DESAI	09/08/2017
PATRICK WALL	09/13/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	COMPUGEN USA, INC.
<b>Street Address:</b>	250 E. GRAND AVENUE
<b>City:</b>	SOUTH SAN FRANCISCO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94080
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15795135
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(415)442-1001
<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>	
<b>Phone:</b>	4154421000
<b>Email:</b>	leonor.rivera@morganlewis.com, sfipdocketing@morganlewis.com
<b>Correspondent Name:</b>	ROBIN M. SILVA
<b>Address Line 1:</b>	MORGAN, LEWIS & BOCKIUS, LLP
<b>Address Line 2:</b>	ONE MARKET, SPEAR STREET TOWER

PATENT

**Address Line 4:** SAN FRANCISCO, CALIFORNIA 94105

**ATTORNEY DOCKET NUMBER:** 114386-5008-US01

**NAME OF SUBMITTER:** LEONOR RIVERA-HUERTA

**SIGNATURE:** /Leonor Rivera-Huerta/

**DATE SIGNED:** 07/09/2018

**Total Attachments: 13**

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**ASSIGNMENT OF PATENT APPLICATION**

**WHEREAS,**

**Mark WHITE**, resident of Antioch, California, USA;

**Sandeep KUMAR**, resident of San Bruno California, USA;

**Christopher CHAN**, resident of South San Francisco, California, USA;

**Spencer LIANG**, resident of San Mateo, California, USA;

**Lance STAPLETON**, resident of Oakland, California, USA;

**Andrew DRAKE**, resident of Mountain View, California, USA;

**Maya KOTTURI**, resident of Belmont, California, USA;

**Hsin-Yuan CHENG**, resident of San Mateo, California, USA;

**Kyle HANSEN**, resident of Oakland, California, USA;

**Richard THEOLIS**, resident of Santa Cruz, California, USA;

**Radhika DESAI**, resident of Brisbane, California, USA; and

**Patrick WALL**, resident of Mill Valley, California, USA, hereinafter referred to as

"Assignors", are the inventors of the invention described and set forth in the below identified patent applications:

Title of Invention:     **ANTI-TIGIT ANTIBODIES, ANTI-PVRIG ANTIBODIES AND  
COMBINATIONS THEREOF**

U.S. Patent Application No.     **15/680,187**, filed August 17, 2017; and

International Application No.     **PCT/US17/47457**, filed August 17, 2017

**WHEREAS**, **Compugen USA, Inc.**, located at 250 E. Grand Avenue,  
South San Francisco, California 94080, USA, hereinafter referred to as "ASSIGNEE," is desirous  
of acquiring an interest in the invention and application and in any U.S. Letters Patent and  
Registrations which may be granted on any patent application claiming priority from the same;

For good and valuable consideration, receipt of which is hereby acknowledged by  
Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title

Assignment  
U.S. Patent Application No. 15/680,187; and  
International Application No. PCT/US17/47457  
Attorney Docket Nos. 114386-5008-US & 114386-5008-WO

and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that Assignors will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignment

U.S. Patent Application No. 15/680,187; and

International Application No. PCT/US17/47457

Attorney Docket Nos. 114386-5008-US & 114386-5008-WO

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated;

Date: 07SEP2017

Mark WHITE  
Mark WHITE

On the date above, before us (see Witnesses below) personally appeared Mark WHITE, personally known to us (or proved to us on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to us that he/she executed the same in his authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS NO. 1. Margaret Tang  
(Print name of witness):

Date: 9/7/2017

WITNESS NO. 2. R. Katt  
(Print name of witness):

Date: 9/7/2017

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Date: 10/16/2017

S. Kumar  
Sandeep KUMAR

On the date above, before us (see Witnesses below) personally appeared Sandeep KUMAR, personally known to us (or proved to us on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to us that he/she executed the same in his authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS NO. 1. J. Elena  
(Print name of witness):

Date: 10/16/17

WITNESS NO. 2. Carlos S. Serrano  
(Print name of witness):

Date: 10/16/17

Assignment  
U.S. Patent Application No. 15/680,187; and  
International Application No. PCT/US17/47457  
Attorney Docket Nos. 114386-5008-US & 114386-5008-WO

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

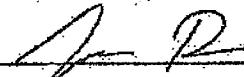
Date:

9/8/17

  
Christopher CHAN

On the date above, before us (see Witnesses below) personally appeared Christopher CHAN, personally known to us (or proved to us on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to us that he/she executed the same in his authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS NO. 1:



Date:

9/8/17

(Print name of witness):

JOSHUA POLLACK

WITNESS NO. 2:



Date:

9/8/17

(Print name of witness):

ANNABELLO PRIERA

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Date:

Spencer LIANG

On the date above, before us (see Witnesses below) personally appeared Spencer LIANG, personally known to us (or proved to us on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to us that he/she executed the same in his authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS NO. 1:

Date:

(Print name of witness):

WITNESS NO. 2:

Date:

(Print name of witness):

Assignment  
U.S. Patent Application No. 15/680,187; and  
International Application No. PCT/US17/47457  
Attorney Docket Nos. 114386-5008-US & 114386-5008-WO

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Date: \_\_\_\_\_

Christopher CHAN

On the date above, before us (see Witnesses below) personally appeared Christopher CHAN, personally known to us (or proved to us on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to us that he/she executed the same in his authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS NO. 1. \_\_\_\_\_

(Print name of witness):

Date: \_\_\_\_\_

WITNESS NO. 2. \_\_\_\_\_

(Print name of witness):

Date: \_\_\_\_\_

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Date: 9/7/2017

  
Spencer LIANG

On the date above, before us (see Witnesses below) personally appeared Spencer LIANG, personally known to us (or proved to us on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to us that he/she executed the same in his authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS NO. 1. Margaret Tang

(Print name of witness):

Date: 9/7/2017

WITNESS NO. 2. Kurt

(Print name of witness):

Date: 09/07/17

Assignment  
U.S. Patent Application No. 15/680,187; and  
International Application No. PCT/US17/47457  
Attorney Docket Nos. 114386-5008-US & 114386-5008-WO

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Date: 28 Sept 2017

Lance Stapleton  
Lance STAPLETON

On the date above, before us (see Witnesses below) personally appeared Lance STAPLETON, personally known to us (or proved to us on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to us that he/she executed the same in his authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS NO. 1. B. Stapleton

Date: 9/28/17

(Print name of witness): Brenton Stapleton

WITNESS NO. 2. Pamela Van Heert

Date: 3 Oct 2017

(Print name of witness): Pamela Van Heert

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Date: \_\_\_\_\_

Andrew W. DRAKE

On the date above, before us (see Witnesses below) personally appeared Andrew W. DRAKE, personally known to us (or proved to us on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to us that he/she executed the same in his authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS NO. 1. \_\_\_\_\_

Date: \_\_\_\_\_

(Print name of witness): \_\_\_\_\_

WITNESS NO. 2. \_\_\_\_\_

Date: \_\_\_\_\_

(Print name of witness): \_\_\_\_\_



Assignment  
U.S. Patent Application No. 15/680,187; and  
International Application No. PCT/US17/47457  
Attorney Docket Nos. 114386-5008-US & 114386-5008-WO

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Date: \_\_\_\_\_

Lance STAPLETON

On the date above, before us (see Witnesses below) personally appeared Lance STAPLETON, personally known to us (or proved to us on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to us that he/she executed the same in his authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS NO. 1. \_\_\_\_\_  
(Print name of witness):

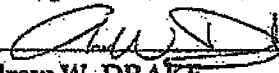
Date: \_\_\_\_\_

WITNESS NO. 2. \_\_\_\_\_  
(Print name of witness):

Date: \_\_\_\_\_

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Date: 9/8/17

  
Andrew W. DRAKE

On the date above, before us (see Witnesses below) personally appeared Andrew W. DRAKE, personally known to us (or proved to us on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to us that he/she executed the same in his authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS NO. 1. Kd GG  
(Print name of witness):

Date: 09/08/17

WITNESS NO. 2. Margaret Tang  
(Print name of witness):

Date: 9/8/2017

Assignment  
U.S. Patent Application No. 15/680,187; and  
International Application No. PCT/US17/47457  
Attorney Docket Nos. 114386-5008-US & 114386-5008-WO

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Date: 9/08/2017

Maya KOTTURI  
Maya KOTTURI

On the date above, before us (see Witnesses below) personally appeared  
Maya KOTTURI, personally known to us (or proved to us on the basis of satisfactory evidence)  
to be the person whose name is subscribed to the within instrument, and acknowledged to us  
that he/she executed the same in his authorized capacity, and that by his/her signature on the  
instrument the person, or the entity upon behalf of which the person acted, executed the  
instrument.

WITNESS NO. 1. Sarah Whelan  
(Print name of witness):

Date: 9/08/17

WITNESS NO. 2. Margaret Tang  
(Print name of witness):

Date: 9/8/2017

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Date: 9/8/2017

Hsin-Yuan CHENG  
Hsin-Yuan CHENG

On the date above, before us (see Witnesses below) personally appeared Hsin-Yuan  
CHENG personally known to us (or proved to us on the basis of satisfactory evidence) to be the  
person whose name is subscribed to the within instrument, and acknowledged to us that he/she  
executed the same in his authorized capacity, and that by his/her signature on the instrument  
the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS NO. 1. Janet Quashi  
(Print name of witness):

Date: 9/8/17

WITNESS NO. 2. Margaret Tang  
(Print name of witness):

Date: 09/08/17

Assignment  
U.S. Patent Application No. 15/680,187; and  
International Application No. PCT/US17/47457  
Attorney Docket Nos. 114386-5008-US & 114386-5008-WO

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Date: 9/14/17 [Signature]  
Kyle HANSEN

On the date above, before us (see Witnesses below) personally appeared  
Kyle HANSEN, personally known to us (or proved to us on the basis of satisfactory evidence)  
to be the person whose name is subscribed to the within instrument, and acknowledged to us  
that he/she executed the same in his authorized capacity, and that by his/her signature on the  
instrument the person, or the entity upon behalf of which the person acted, executed the  
instrument.

WITNESS NO. 1. Keller Date: 9/14/17  
(Print name of witness):

WITNESS NO. 2. Aguilera Gustavo Date: 9/14/17  
(Print name of witness):

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Date: \_\_\_\_\_  
Richard THEOLIS

On the date above, before us (see Witnesses below) personally appeared  
Richard THEOLIS personally known to us (or proved to us on the basis of satisfactory  
evidence) to be the person whose name is subscribed to the within instrument, and  
acknowledged to us that he/she executed the same in his authorized capacity, and that by  
his/her signature on the instrument the person, or the entity upon behalf of which the person  
acted, executed the instrument.

WITNESS NO. 1. \_\_\_\_\_ Date: \_\_\_\_\_  
(Print name of witness):

WITNESS NO. 2. \_\_\_\_\_ Date: \_\_\_\_\_  
(Print name of witness):

Assignment  
U.S. Patent Application No. 15/680,187; and  
International Application No. PCT/US17/47457  
Attorney Docket Nos. 114386-5008-US & 114386-5008-WO

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Date: \_\_\_\_\_

Kyle HANSEN

On the date above, before us (see Witnesses below) personally appeared  
Kyle HANSEN, personally known to us (or proved to us on the basis of satisfactory evidence)  
to be the person whose name is subscribed to the within instrument, and acknowledged to us  
that he/she executed the same in his authorized capacity, and that by his/her signature on the  
instrument the person, or the entity upon behalf of which the person acted, executed the  
instrument.

WITNESS NO. 1. \_\_\_\_\_  
(Print name of witness);

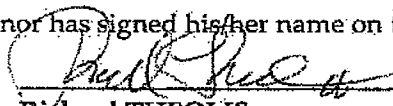
Date: \_\_\_\_\_

WITNESS NO. 2. \_\_\_\_\_  
(Print name of witness);

Date: \_\_\_\_\_

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Date: Sep 8, 18/2017

  
Richard THEOLIS

On the date above, before us (see Witnesses below) personally appeared  
Richard THEOLIS personally known to us (or proved to us on the basis of satisfactory  
evidence) to be the person whose name is subscribed to the within instrument, and  
acknowledged to us that he/she executed the same in his authorized capacity, and that by  
his/her signature on the instrument the person, or the entity upon behalf of which the person  
acted, executed the instrument.

WITNESS NO. 1. KRISTINA ZENDER  
(Print name of witness);

Date: 09/18/2017


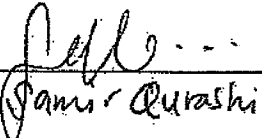
WITNESS NO. 2. MALAVIKA KANNUSWAMY Date: 09/18/2017  
(Print name of witness);

Assignment  
U.S. Patent Application No. 15/680,187; and  
International Application No. PCT/US17/47457  
Attorney Docket Nos. 114386-5008-US & 114386-5008-WO

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Date: 08 SEP 17   
Radhika DESAI

On the date above, before us (see Witnesses below) personally appeared Radhika DESAI, personally known to us (or proved to us on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to us that he/she executed the same in his authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS NO. 1.  Date: 08 Sept 17  
(Print name of witness):  
WITNESS NO. 2.  Date: 9/08/17  
(Print name of witness): James Kurashi

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Date: \_\_\_\_\_  
Patrick WALL

On the date above, before us (see Witnesses below) personally appeared Patrick WALL personally known to us (or proved to us on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to us that he/she executed the same in his authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS NO. 1. \_\_\_\_\_ Date: \_\_\_\_\_  
(Print name of witness):  
WITNESS NO. 2. \_\_\_\_\_ Date: \_\_\_\_\_  
(Print name of witness):

Assignment  
U.S. Patent Application No. 15/680,187; and  
International Application No. PCT/US17/47457  
Attorney Docket Nos. 114386-5008-US & 114386-5008-WO

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Date: \_\_\_\_\_

Radhika DESAI

On the date above, before us (see Witnesses below) personally appeared  
Radhika DESAI, personally known to us (or proved to us on the basis of satisfactory evidence)  
to be the person whose name is subscribed to the within instrument, and acknowledged to us  
that he/she executed the same in his authorized capacity, and that by his/her signature on the  
instrument the person, or the entity upon behalf of which the person acted, executed the  
instrument.

WITNESS NO. 1. \_\_\_\_\_

Date: \_\_\_\_\_

(Print name of witness):

WITNESS NO. 2. \_\_\_\_\_

Date: \_\_\_\_\_

(Print name of witness):

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Date: 9/13/17

Patrick WALL

On the date above, before us (see Witnesses below) personally appeared Patrick  
WALL personally known to us (or proved to us on the basis of satisfactory evidence) to be the  
person whose name is subscribed to the within instrument, and acknowledged to us that he/she  
executed the same in his authorized capacity, and that by his/her signature on the instrument  
the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS NO. 1. [Signature]

Date: 9/13/17

(Print name of witness):

Cynthia Chiarappa

WITNESS NO. 2. [Signature]

Date: 9.13.17

(Print name of witness):

LARREA WALL

Assignment  
U.S. Patent Application No. 15/680,187; and  
International Application No. PCT/US17/47457  
Attorney Docket Nos. 114386-5008-US & 114386-5008-WO

IN TESTIMONY WHEREOF, Assignee has signed his/her name on the dates indicated.

COMPUGEN USA, Inc.

Date: Oct 16, 2017

By: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

On the date above, before us (see Witnesses below) personally appeared \_\_\_\_\_, personally known to us (or proved to us on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to us that he/she executed the same in his authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS NO. 1. Katar  
(Print name of witness):

Date: 10-16-17

WITNESS NO. 2. [Signature]  
(Print name of witness):

Date: 10/16/17