# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
JULIA ASHWORTH-SHARPE	07/20/2010
CHOL STEVEN YUN	07/20/2010
ZHANNA ZHILINA	07/20/2010
ADRIAN E. MURILLO	07/20/2010
DONALD D. JOHNSON	07/20/2010
MICHAEL FARRELL	07/20/2010
JEROME W. KOSMEDER	07/20/2010
CHRISTOPHER BIENIARZ	07/20/2010

## **RECEIVING PARTY DATA**

Name:	VENTANA MEDICAL SYSTEMS, INC.
Street Address:	1910 E. INNOVATION PARK DRIVE
City:	TUCSON
State/Country:	ARIZONA
Postal Code:	85755

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14691826

#### **CORRESPONDENCE DATA**

**Fax Number:** (520)229-4216

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:** 520-229-3935

**Email:** carolyn.thornburg@roche.com

**Correspondent Name:** VENTANA MEDICAL SYSTEMS, INC. **Address Line 1:** 1910 E. INNOVATION PARK DRIVE

Address Line 2: ATTN: LEGAL DEPARTMENT TUCSON, ARIZONA 85755

ATTORNEY DOCKET NUMBER:	26702 US2
NAME OF SUBMITTER:	VINEET KOHLI
SIGNATURE:	/Vineet Kohli/

503443709 REEL: 036365 FRAME: 0898

DATE SIGNED:	08/19/2015
Total Attachments: 6	
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PATENT REEL: 036365 FRAME: 0899

## **ASSIGNMENT**

We, Julia Ashworth-Sharpe, of Tucson, Arizona, a citizen of the United States of America; Chol Steven Yun, of Tucson, Arizona, a citizen of the United States of America; Zhanna Zhilina of Tucson, Arizona, a citizen of the Russian Federation; Adrian E. Murillo, of Tucson, Arizona, a citizen of the United States of America; Donald D. Johnson, of Oro Valley, Arizona, a citizen of the United States of America; Michael Farrell, of Tucson, Arizona, a citizen of the United States of America; Jerome W. Kosmeder, of Tucson, Arizona, a citizen of the United States of America; and Christopher Bieniarz, of Tucson, Arizona, a citizen of the United States of America, have invented an invention (the "Invention") as described in U.S. Provisional Patent Application No. 61/328,494, entitled ANTIBODY-NANOPARTICLE CONJUGATES AND METHODS FOR MAKING AND USING SUCH CONJUGATES, filed on April 27, 2010; which application is referred to herein as the "Provisional Application."

The Invention was made as a result of our activity at or on behalf of Ventana Medical Systems, Inc. or as a result of our utilization of information, facilities or other resources of Ventana Medical Systems, Inc. The conditions under which the Invention was made are such as to entitle Ventana Medical Systems, Inc. to our entire right, title, and interest in the Invention and any corresponding patent applications and/or patents in the United States and its territories and dependencies, and all other countries of the world.

In consideration of our obligation and other valuable consideration, we have sold, assigned and transferred or hereby sell, assign, and transfer to Ventana Medical Systems, Inc., its successors and assigns (collectively, "Assignee"), our full and exclusive right, title, and interest in the Invention, the Provisional Application, and any corresponding patent rights throughout the United States and its territories and dependencies, and all other countries of the world. The conveyance of patent rights includes, without limitation, full and exclusive right, title, and interest in all non-provisional patent applications claiming all or part of the Invention and/or claiming the benefit of a filing date of the Provisional Application, and any patents that may issue from such non-provisional patent applications in the United States and/or all other countries throughout the world, and any divisional, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof; and the right to claim priority from the Provisional Application as provided for by United States law, the Patent Cooperation Treaty, the European Patent Convention, the Paris Convention, or other applicable law.

We authorize and request the issuance of any patents arising from non-provisional patent applications claiming all or part of the Invention and/or claiming the benefit of a filing date of the Provisional Application to the Assignee to be held as fully and entirely as the same would have been held by us had this assignment not been made.

We warrant that there are no outstanding assignments, grants, liens, encumbrances, or agreements either written, oral, or implied that will impair, diminish, limit, or abridge the interest herein conveyed.

We also agree upon reasonable request to communicate with the Assignee, its representatives or agents, any facts known to us respecting all or part of the Invention, and testify in any legal proceedings, sign all lawful papers, execute all non-provisional, divisional, continuing, and reissue applications, make all rightful oaths, provide all requested documents, and do everything reasonably possible to aid the Assignee, its representatives or agents, to obtain and enforce proper patent protection for all or part of the Invention in the United States or any other country of the world. These provisions are binding upon our heirs, legal representatives, administrators and assigns.

This Assignment may be executed in one or more counterparts, each of which when executed and delivered, by facsimile or other electronic transmission, by mail delivery, or by other form of delivery, will be an original and all of which will constitute but one and the same Assignment.

IN TESTIMONY WHEREOF, this Assignment is executed as of the date(s) indicated below.

Dated: 07/20/10

Leshworth - Skarpe
Julia Ashworth-Sharpe

STATE OF AFIZONA

) ss.

COUNTY OF Pima

On <u>ao-)ul-</u>, 2010, before me, <u>lish</u> M. Www., Notary Public, personally appeared Julia Ashworth-Sharpe, personally known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

LISA M KNIGHT
Notary Public - Arizona
Pima County
My Comm. Expires May 25, 2014

Signature of Notary Public

SWG/SLR:bmm 04/28/10 7668-83522-01 1600/188  Dated: 20 July 2010	Chol Steven Yun
STATE OF AGIZOGA ) ss.  COUNTY OF PIMA )	·
whose name is subscribed to the within instru	ven Yun, personally known to me to be the person ument and acknowledged to me that he executed the his signature on the instrument the person, or the executed the instrument.
	WITNESS my hand and official seal.
LISA M KNIGHT Notary Public - Arizona Pima County My Comm. Expires May 25, 2014	Signature of Notary Public
Dated: _ Ful 20, 2010	Zhanna Zhilina
STATE OF AN ZONA ) ss.  COUNTY OF PIMA )	
Notary Public, personally appeared Zhanna Zwhose name is subscribed to the within instru	hilina, personally known to me to be the person ment and acknowledged to me that she executed by her signature on the instrument the person, or the executed the instrument.
	WITNESS my hand and official seal.
LISA M KNIGHT Notary Public - Arizona Pima County My Comm. Expires May 25, 2014	Signature of Notary Public

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SWG/SLR:bmm 04/28/10 7668-83522-01 1600/188	/)
Dated: 20-Jul-2010	Adrian E. Murillo
STATE OF ANZONA	
COUNTY OF PIMA ) ss.	
Notary Public, personally appeared Adrian E. whose name is subscribed to the within instru	Murillo, personally known to me to be the person ment and acknowledged to me that he executed the signature on the instrument the person, or the executed the instrument.
A LICA BA KANGUT	WITNESS my hand and official seal.
LISA M KNIGHT Notary Public - Arizona Pima County My Comm. Expires May 25, 2014	Signature of Notary Public
Dated: Jul - Z010	Donald D. Johnson
STATE OF ATICORA	
COUNTY OF P, mA	
Notary Public, personally appeared Donald D.	
	WITNESS my hand and official seal.
LISA M KNIGHT  Notary Public - Arizona  Pima County  My Comm. Expires May 25, 2014	Signature of Notary Public

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SWG/SLR:bmm 04/28/10 7668-83522-01 1600/188  Dated: 20-5ul 20(0	Michael Farrell
STATE OF ANZONA ) ss.	
On 20-11-, 2010, be Notary Public, personally appeared Michael I whose name is subscribed to the within instru	Farrell, personally known to me to be the person ament and acknowledged to me that he executed the is signature on the instrument the person, or the executed the instrument.
Dr. day	WITNESS my hand and official seal.
LISA M KNIGHT Notary Public - Arizona Plma County My Comm. Expires May 25, 2014	Signature of Notary Public
Dated: 20-JUL-2010	Jeropie W. Kosmeder
STATE OF ADZONA	
COUNTY OF PIMA ) ss.	
On, 2010, be Notary Public, personally appeared Jerome W person whose name is subscribed to the within executed the same in his authorized capacity, person, or the entity upon behalf of which the	n instrument and acknowledged to me that he and that by his signature on the instrument the
	WITNESS my hand and official seal.
LISA M KNIGHT Notary Public - Arizona Pima County My Comm. Expires May 25, 2014	Signature of Notary Public

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STATE OF ANZONA

COUNTY OF PIVMA

On 20-11, 2010, before me, 115A W. Knight.

Notary Public, personally appeared Christopher Bieniarz, personally known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

LISA M KNIGHT Notary Public - Arizona Pima County Wy Comm. Expires May 25, 2014 WITNESS my hand and official seal.

RECORDED: 08/19/2015