

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4633244

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SUNIL KUMAR KC	08/07/2015
DAVID MARK WALLACE	08/10/2015
JIANGUO CAO	08/11/2015
CHANDRAMOULI CHIRUTA	08/12/2015
JOHN HOOD	08/07/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SAMUMED, LLC
<b>Street Address:</b>	9381 JUDICIAL DRIVE
<b>Internal Address:</b>	SUITE 160
<b>City:</b>	SAN DIEGO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	92121
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15673834
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(612)288-9696
<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>	6127662091
<b>Email:</b>	apsi@fr.com, mmb@fr.com
<b>Correspondent Name:</b>	MARI BOHNHOFF
<b>Address Line 1:</b>	P.O. BOX 1022
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55440
<b>ATTORNEY DOCKET NUMBER:</b>	29124-0061003
<b>NAME OF SUBMITTER:</b>	MARI BOHNHOFF
<b>SIGNATURE:</b>	/Mari Bohnhoff/
<b>DATE SIGNED:</b>	10/10/2017
<b>Total Attachments: 7</b>	

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ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, SUNIL KUMAR KC, DAVID MARK WALLACE, JIANGUO CAO, CHANDRAMOULI CHIRUTA, and JOHN HOOD, each individually assign to SAMUMED, LLC, a limited liability company formed under the laws of Delaware and having a principal place of business at 9381 Judicial Drive, Suite 160, San Diego, CA 92121, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the subject matter (the "Subject Matter") of a patent application that names us as inventors, is titled "3-(3H-IMIDAZO[4,5-C]PYRIDIN-2-YL)-1H-PYRAZOLO[3,4-C]PYRIDINE AND THERAPEUTIC USES THEREOF", and was filed in the United States Patent and Trademark Office on September 8, 2015, as application 14/847,344 and International Application No: PCT/US2015/048689, filed September 4, 2015 (the "Application"). We authorize the insertion of the filing date and application number above.

This Assignment assigns (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

We will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter, will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

Sunil Kumar KC *[Signature]* DATE: Aug 07, 2015

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California  
County of San Diego

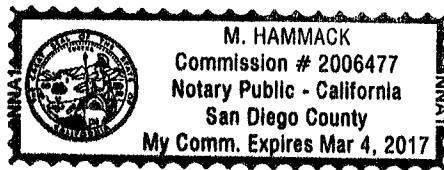
On 07 August 2015 before me, M. Hammack  
(insert name and title of the officer)

personally appeared Sunil Kumar KC  
who proved to me on the basis of satisfactory evidence 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 entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature *[Signature]*



David Mark Wallace  
David Mark Wallace

DATE: 08/10/2015

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California  
County of San Diego

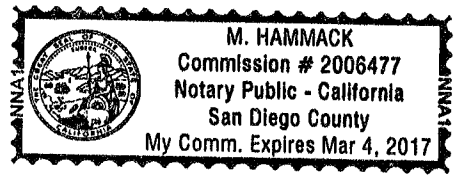
On 10 August 2015 before me, M. Hammack  
(insert name and title of the officer)

personally appeared David Mark Wallace  
who proved to me on the basis of satisfactory evidence 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 entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature M. Hammack



Jianguo Cao  
Jianguo Cao

DATE: 8/11/2015

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California  
County of San Diego

On 11 August 2015 before me, M. Hammack  
(insert name and title of the officer)

personally appeared Jianguo Cao  
who proved to me on the basis of satisfactory evidence 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 entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.  
Signature M. Hammack



*Chandramouli Chiruta*

DATE: 08/12/2015

Chandramouli Chiruta

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California  
County of San Diego

On 12 August 2015 before me, M. Hammack  
(insert name and title of the officer)

personally appeared Chandramouli Chiruta  
who proved to me on the basis of satisfactory evidence 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 entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature *M Hammack*



John Hood  
John Hood

DATE: 8/7/2015

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California  
County of San Diego

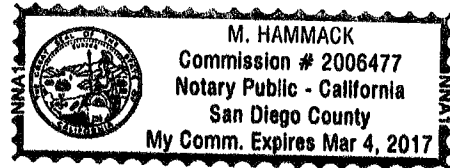
On 07 August 2015 before me, M. Hammack  
(insert name and title of the officer)

personally appeared John Hood  
who proved to me on the basis of satisfactory evidence 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 entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature M Hammack





The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: SAMUMED, LLC

Signature: [Handwritten Signature]

Date: 12 Aug 2015

Name: Cevdet Sami Koglu

Title: Chief Financial Officer

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California  
County of San Diego

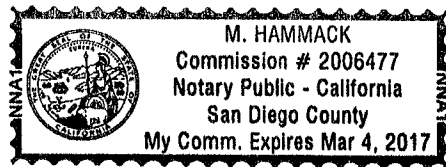
On 12 August 2015 before me, M. Hammack  
(insert name and title of the officer)

personally appeared Cevdet Sami Koglu  
who proved to me on the basis of satisfactory evidence 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 entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature [Handwritten Signature]



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