505936002 02/26/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Sunil Kumar KC	08/26/2016
David Mark Wallace	08/30/2016
Jianguo Cao	08/30/2016
Chandramouli Chiruta	08/26/2016
Joseph Timothy Marakovits	08/30/2016
Venkataiah Bollu	08/26/2016
John Hood	08/09/2016

RECEIVING PARTY DATA

Name:	SAMUMED, LLC
Street Address:	9360 TOWNE CENTRE DRIVE
City:	SAN DIEGO
State/Country:	CALIFORNIA
Postal Code:	92121

PROPERTY NUMBERS Total: 1

Property Type	Number
PCT Number:	US2016045271

CORRESPONDENCE DATA

Fax Number: (877)769-7945

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: (617) 542-5070

Email: krahler@fr.com, apsi@fr.com

Correspondent Name: JOHN T. KENDALL

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Address Line 2: P.O.BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	29124-0100WO1
NAME OF SUBMITTER:	NIKKI KRAHLER
SIGNATURE:	/Nikki Krahler/
DATE SIGNED:	02/26/2020

505936002 PATENT REEL: 051933 FRAME: 0933

Total Attachments: 9 source=29124-0100WO1_Assignment#page1.tif source=29124-0100WO1_Assignment#page2.tif source=29124-0100WO1_Assignment#page3.tif source=29124-0100WO1_Assignment#page4.tif source=29124-0100WO1_Assignment#page5.tif source=29124-0100WO1_Assignment#page6.tif source=29124-0100WO1_Assignment#page7.tif source=29124-0100WO1_Assignment#page8.tif source=29124-0100WO1_Assignment#page8.tif

PATENT REEL: 051933 FRAME: 0934

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, JOSEPH TIMOTHY MARAKOVITS, VENKATAIAH BOLLU, 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[4,3-B]PYRIDINES AND THERAPEUTIC USES THEREOF," and was filed in the United States Patent and Trademark Office on August 3, 2016, as application PCT/US2016/045271 (the "Application").

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.

Assignment Page 1 of 9

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.

DATE:

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

Aug 2016 before me, M. Hammack (insert name and title of the officer)

personally appeared

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or entity upon behalf of which the person(s) 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.

M. HAMMACK Commission # 2006477 Notary Public - California San Diego County My Comm. Expires Mar 4, 2017

Dund Mark Crollen DATE: 8/30/2016	
David Mark Wallace	The state of the s
A notary public or other officer completing this certificate verifies only the identity of document to which this certificate is attached, and not the truthfulness, accuracy, or valid	
State of California County of San Diego	
On 36 Aug 2016 before me, M. Hammae (insert name and title	ck
(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(s) subscribed to the within instrument and acknowledged to me that he/she/t his/her/their authorized capacity(ies), and that by his/her/their signature(s) person(s), or entity upon behalf of which the person(s) acted, executed the	hey executed the same in on the instrument the
I certify under PENALTY OF PERJURY under the laws of the State of C paragraph is true and correct.	alifornia that the foregoing
- late and the	M. HAMMACK commission # 2006477
Signature Z	otary Public - California San Diego County Comm. Expires Mar 4, 2017

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 30 Aug 2016 before me, M. Hammack
(insert name and title of the officer)
personally appeared
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or entity upon behalf of which the person(s) 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. M. HAMMACK Commission # 2006477
Signature Notary Public - California San Diego County My Comm. Expires Mar 4, 2017

Chandramouli Chiruta DATE: 08/26/2016
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 20 Aug 2010 before me, M. Hammack (insert name and title of the officer) personally appeared Chints who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or entity upon behalf of which the person(s) 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. M. HAMMACK Commission # 2006477 Notary Public - California San Diego County My Comm Syniras Mar 4 2017

Joseph Timothy Marakovits DATE:	8/30/2016
A notary public or other officer completing this certificate v document to which this certificate is attached, and not the tru	
· ,	ged to me that he/she/they executed the same in is/her/their signature(s) on the instrument the
I certify under PENALTY OF PERJURY under the paragraph is true and correct.	e laws of the State of California that the foregoing
WITNESS my hand and official seal. Signature	M. HAMMACK Commission # 2006477 Notary Public - California San Diego County My Comm. Expires Mar 4, 2017

Venkataiah Bollu DATE: 8/26/2016
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 Dieso On
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. M. HAMMACK Commission # 2006477 Notary Public - California San Diego County My Comm. Expires Mar 4, 2017

OM DATE: 8/9/2016 John Hood
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 August 9,2016 before me, Ghada Abou hamze (insert name and title of the officer)
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or entity upon behalf of which the person(s) 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 Charles Abou Dong GHADA ABOU- HAMZE COMM. #2097413 Notary Public · California San Diego County My Comm. Expires Jan. 16, 2019

The Assignee hereby acknowledges and accepts the foregoing assignment.
Assignee: SAMUMED, LLC
Signature:
Name: Varman Onc
Title: Chief legal Officer
J
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 Sept 2016 before me,
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 Commission # 2006477 Notary Public - California San Diego County My Comm. Expires Mar 4, 2017

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