505417077 04/08/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5463867

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------------|----------------|
| Sunil Kumar KC | 11/27/2018 |
| Chi Ching Mak | 11/27/2018 |
| Brian Joseph Hofilena | 11/27/2018 |
| Gopi Kumar Mittapalli | 11/27/2018 |
| Brian Walter Eastman | 11/30/2018 |
| Jianguo Cao | 11/27/2018 |
| Venkataiah Bollu | 12/03/2018 |
| Chandramouli Chiruta | 12/03/2018 |

RECEIVING PARTY DATA

| Name: | SAMUMED, LLC |
|-------------------|---------------------|
| Street Address: | 9381 JUDICIAL DRIVE |
| Internal Address: | SUITE 160 |
| City: | SAN DIEGO |
| State/Country: | CALIFORNIA |
| Postal Code: | 92121 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16172553 |

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.

using a lax number, if provided, if that is unsuccessful, it will be sent via 05 mail.

Phone: +49-89-7104102-42

Email: apsi@fr.com

Correspondent Name: ANDREA DORIGO

Address Line 1: FISH & RICHARDSON P.C.

Address Line 2: P.O.BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

| ATTORNEY DOCKET NUMBER: | 29124-0126001 |
|-------------------------|------------------|
| NAME OF SUBMITTER: | JUDITH A. WITZEL |

505417077 REEL: 048824 FRAME: 0545

| SIGNATURE: | /Judith A. Witzel/ | |
|--------------------------------------|--------------------|--|
| DATE SIGNED: | 04/08/2019 | |
| Total Attachments: 10 | | |
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| source=EXECUTED Assignment#page9.tif | | |

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PATENT REEL: 048824 FRAME: 0546

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, SUNIL KUMAR KC, CHI CHING MAK, BRIAN JOSEPH HOFILENA, GOPI KUMAR MITTAPALLI, BRIAN WALTER EASTMAN, JIANGUO CAO, VENKATAIAH BOLLU, and CHANDRAMOULI CHIRUTA, 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 invention(s) (the "Subject Matter") described in a patent application that names us as inventors, is titled "6-(6-MEMBERED HETEROARYL & ARYL)ISOQUINOLIN-3-YL CARBOXAMIDES AND PREPARATION AND USE THEREOF," and was or will be filed in the United States Patent and Trademark Office on October 26, 2018, as application 16/172,553 and International Application No: PCT/US2018/057854, filed on October 26, 2018 (the "Application").

This Assignment assigns, in addition to the Subject Matter of the Application, (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 and under every treaty or convention, (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.

Assignment Page 1 of 10

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.

| DATE: Nov. 27 th , 2018 Sunil Kumar KC |
|--|
| 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 Sun Diego |
| On 31 Nov 2018 before me, W. Hummack (insert name and title of the officer) |
| personally appeared |
| 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 Notary Public - California San Diego County Commission # 2192293 |

Attorney Docket No.: 29124-0126001& 29124-0126WO1 / SMi.067

| <u>a</u> l | DATE: | u/27/18 | |
|---|---|--|--|
| Brian Joseph Hofilena | · ············· | | |
| A notary public or other officer completing this | certificate verifies | s only the identity of the | he individual who signed the |
| document to which this certificate is attached, and | | | |
| State of California County of Sun Diego | | | |
| On <u>27 Nov 2018</u> befo | ore me, <u>U</u> (ins | Hammack et name and title o | of the officer) |
| personally appeared | tory evidence to cknowledged to I that by his/her | o be the person(s) one that (ne/she/the/the/their signature(s) | ey executed the same in on the instrument the |
| I certify under PENALTY OF PERJURY paragraph is true and correct. | under the laws | s of the State of Ca | lifornia that the foregoing |
| WITNESS my hand and official seal. Signature | No. | | M. HAMMACK Notary Public - California San Diego County Commission # 2182293 My Comm. Expires Mar 4, 2021 |

Attorney Docket No.: 29124-0126001& 29124-0126WO1 / SMi,067

| M. Loi Kumar DATE: Nov 27, 2018 Gopi Kumar Mittapalli | | |
|--|--|--|
| 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 27 Nov 2018 before me, W. Hummack. (insert name and title of the officer) | | |
| personally appeared | | |
| witness my hand and official seal. Signature M. HAMMACK Notary Public - California San Diego County Commission # 2182293 My Comm. Expires Mar 4, 2021 | | |

| DATE: 1/30/19 |
|---|
| Brian Walter Eastman |
| |
| 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 |
| On 30 Nov 2018 before me, W. Hamwack (insert name and title of the officer) |
| personally appeared <u>Prim Watter Fastyvan</u> 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 Notary Public - California San Diego County Commission # 2182293 My Comm. Expires Mar 4, 2021 |

DATE: NOV-27 2018

| Jianguo Cao | · |
|---|--|
| A notary public or other officer completing this certificate ve document to which this certificate is attached, and not the trut | erifies only the identity of the individual who signed the hfulness, accuracy, or validity of that document. |
| State of California County of <u>San Diago</u> | |
| On <u>21 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \</u> | W. Hammad |
| personally appeared | ce to be the person(s) whose name(s) is are sed to me that he she/they executed the same in her/their signature(s) on the instrument the (s) acted, executed the instrument. |
| WITNESS my hand and official seal. Signature | M. HAMMACK Notary Public – California San Diege County Commission # 2182293 My Comm. Expires Mar 4, 2021 |

Attorney Docket No.: 29124-0126001& 29124-0126WO1 / SMi.067

| 100 | DATE: | Dec 3. | 2018 | |
|--|---|---|--|--|
| Venkataiah Bollu | | | | |
| A notary public or other officer completing document to which this certificate is attach | | | | |
| State of California County of San Dego | | ; | , | |
| On <u>03 Dec 2018 </u> | _ before me,(in | <u> M. Ha MM</u> nsert name and ti | tle of the officer) | *************************************** |
| personally appeared | and acknowledged (i), and that by (his/he which the person(s) | to me that he/sh er/their signature acted, executed | e/they executed the (s) on the instrument. | e same in ent the |
| WITNESS my hand and official sea | | | M. HAMMACK Notary Public – California San Diego County Commission # 2182293 My Comm. Expires Mar 4, 2021 | And the state of t |

Attorney Docket No.: 29124-0126001& 29124-0126WO1 / SMi.067

| Chandramouli Chiruta DATE: 12/03/2018 |
|---|
| 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 <u>Sandieso</u>) On <u>8 Dec 2018</u> before me, <u>W. Hawwwack</u> |
| (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 M. HAMMACK Notary Public - California San Diego County Commission # 2182293 My Comm. Expires Mar 4, 2021 |

| The Assignee hereby acknowledges and accepts the foregoing assignment. |
|--|
| Assignee: SAMUMED, LLC |
| Signature: Date: |
| Name: Arman Jusuf One |
| Title: Chief legal 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 OS Dec 2018 before me, W. Hammack (insert name and title of the officer) |
| personally appeared |
| 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 Notary Public - Celifornia San Diego County Commission # 2182293 My Comm. Expires Mar 4, 2021 |
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Assignment Page 10 of 10

RECORDED: 04/08/2019