PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3636988

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-----------------|----------------|
| CHRISTOF NIEHRS | 09/29/2014 |
| OLGA KAZANSKAYA | 09/03/2014 |
| BISEI OKAWARA | 08/22/2014 |

RECEIVING PARTY DATA

| Name: | DEUTSCHES KREBSFORSCHUNGSZENTRUM STIFTUNG DES ÖFFENTLICHEN RECHTS |
|-----------------|--|
| Street Address: | IM NEUENHEIMER FELD 280 |
| City: | HEIDELBERG |
| State/Country: | GERMANY |
| Postal Code: | 69120 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14870846 |

CORRESPONDENCE DATA

Fax Number: (201)587-0715

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: 201-487-5800 Email: pamd@kjiplaw.com

KLAUBER & JACKSON LLC **Correspondent Name:**

25 EAST SPRING VALLEY AVENUE Address Line 1:

Address Line 2: SUITE 160

Address Line 4: MAYWOOD, NEW JERSEY 07607

| ATTORNEY DOCKET NUMBER: | 3038-1-004PCTUSDIVCON1DIV |
|-------------------------|-----------------------------|
| NAME OF SUBMITTER: | CHRISTINE E. DIETZEL, PH.D. |
| SIGNATURE: | /Christine E. Dietzel/ |
| DATE SIGNED: | 12/01/2015 |

Total Attachments: 6

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ASSIGNMENT

WHEREAS, We, **Christof NIEHRS**, a citizen of Germany, residing at Lindenschmitstr. 61, 55131 Mainz, Germany; and

Olga KAZANSKAYA, a citizen of Germany, residing at Odenwaldweg 8, 74722 Buchen, Germany; and

Bisei OKAWARA, a citizen of Japan, residing at Matsumoto 3-4-1-401, 5100836 Mie, Yokkaichi, Japan

have invented certain new and useful improvements in

RSPONDINS AS MODULATORS OF ANGIOGENESIS AND VASCULOGENESIS

for which we have filed an Application for Letters Patent in the United States on **August 7, 2014**, and was accorded U.S. Serial No. 14/453,692; and

WHEREAS, DEUTSCHES KREBSFORSCHUNGSZENTRUM STIFTUNG DES ÖFFENTLICHEN RECHTS,

with an office at Im Neuenheimer Feld 280 69120 Heidelberg Germany

ASSIGNEE, is desirous of obtaining the entire right, title and interest in, to and under the said improvements and the said application;

NOW, THEREFORE, for other good and valuable consideration, the receipt of which is hereby acknowledged, we the said

Christof NIEHRS; Olga KAZANSKAYA and Bisei OKAWARA

have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, to the said

DEUTSCHES KREBSFORSCHUNGSZENTRUM STIFTUNG DES ÖFFENTLICHEN RECHTS,

its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said improvements, and the said application and all divisions, renewals, and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, including the right to claim priority under the terms of any appropriate International Convention based upon said application for Letters Patent of the United States, and all Letters

Patent which may be granted from said improvements in any country or countries foreign to the United States and extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States, whose duty is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said

DEUTSCHES KREBSFORSCHUNGSZENTRUM STIFTUNG DES ÖFFENTLICHEN RECHTS,

it successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the interest herein assigned in the manner hereinabove set forth, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said

DEUTSCHES KREBSFORSCHUNGSZENTRUM STIFTUNG DES ÖFFENTLICHEN RECHTS,

its successors, legal representatives and assigns, any fact known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisions, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said

DEUTSCHES KREBSFORSCHUNGSZENTRUM STIFTUNG DES ÖFFENTLICHEN RECHTS,

its successors, legal representatives and assigns, to obtain and enforce proper Patent Protection for said improvements in the United States.

IN TESTIMONY WHEREOF, we hereunto set our hand and seal the day and year set opposite my signature.

| Date 29,9.14 | Christof NIEHRS | L.S |
|--------------|-----------------|-----|
| Date | Olga KAZANSKAYA | L.S |
| Date | Bisei OKAWARA | L.S |

ASSIGNMENT

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its successors, legal representatives and assigns, any fact known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisions, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said

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IN TESTIMONY WHEREOF, we hereunto set our hand and seal the day and year set opposite my signature.

| Date | | L.S. |
|-----------------|-----------------|------|
| | Christof NIEHRS | |
| Date 3.09. 2014 | Olga KAZANSKAYA | L.S. |
| Date | Risei OKAWADA | L.S. |

ASSIGNMENT

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IN TESTIMONY WHEREOF, we hereunto set our hand and seal the day and year set opposite my signature.

| Date | | L.S |
|---------------------|-----------------|------|
| | Christof NIEHRS | |
| Date | | L.S |
| | Olga KAZANSKAYA | |
| Date August 22,2014 | B. Okawara. | L.S. |
| U | Bisei OKAWARA | |

PATENT REEL: 037177 FRAME: 0143

RECORDED: 12/01/2015