PATENT ASSIGNMENT COVER SHEET

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

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------|----------------|
| LAWRENCE DOUGHERTY | 12/03/2013 |
| JAMES J. PILLA | 12/03/2013 |
| KEITH A. CENGEL | 12/03/2013 |
| ALIREZA KASSAEE | 12/03/2013 |

RECEIVING PARTY DATA

| Name: | THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA |
|-------------------|--|
| Street Address: | 3160 CHESTNUT STREET |
| Internal Address: | SUITE 200 |
| City: | PHILADELPHIA |
| State/Country: | PENNSYLVANIA |
| Postal Code: | 19104 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15032645 |

CORRESPONDENCE DATA

Fax Number: (215)568-3439

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: 215-568-3100

Email: assignments@woodcock.com
Correspondent Name: BAKER & HOSTETLER LLP
Address Line 1: CIRA CENTRE 12TH FLOOR

Address Line 2: 2929 ARCH STREET

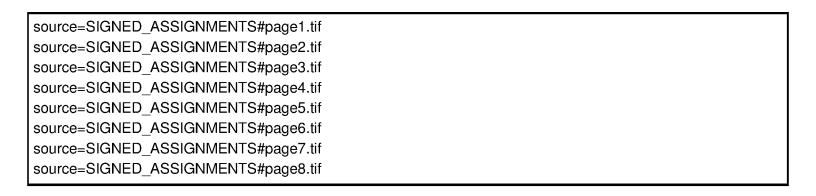
Address Line 4: PHILADELPHIA, PENNSYLVANIA 19104-2891

| ATTORNEY DOCKET NUMBER: | 103241.006118 / Z6564 |
|-------------------------|-----------------------|
| NAME OF SUBMITTER: | VALERIE CHICCHI |
| SIGNATURE: | /Valerie Chicchi/ |
| DATE SIGNED: | 04/28/2016 |
| | |

Total Attachments: 8

PATENT REEL: 038400 FRAME: 0388

503802947



PATENT REEL: 038400 FRAME: 0389

ASSIGNMENT

WHEREAS, I, Lawrence Dougherty, a citizen of United States, residing at 8 South Jefferson Avenue, Wenonah, New Jersey 08090, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number UPN-5881 / Z6564 ("the invention"), assigned application number 61/896,932 filed October 29, 2013, which is entitled CELL, TISSUE, AND ORGAN PROTECTION USING A MAGNETIC FIELD ("the subject application").

AND WHEREAS, The Trustees Of The University Of Pennsylvania, ASSIGNEE, having a place of business at 3160 Chestnut Street, Suite 200, Philadelphia, Pennsylvania 19104, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this _____ day of _______, year of 2013.

Signature - Lawrence Dougherty

STATEMEN') OF NOTARY PUBLIC

STATE OF Leave for

: SS

COUNTY OF

On this 3 day of Secular, year of 2013, before me personally came the above named Lawrence Dougherty to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

Notary Public

COMMONWEALTH OF PENNSYLVANIA

NOTARIAL SEAL CORDELIA M. BAFFIC, Notary Public City of Philadelphia, Phila. County My Commission Expires May 9, 2014

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ASSIGNMENT

WHEREAS, I, James J. Pilla, a citizen of United States, residing at 110 Knoxlyn Farm Drive, Kennett Square, Pennsylvania 19348, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number UPN-5881 / Z6564 ("the invention"), assigned application number 61/896,932 filed October 29, 2013, which is entitled CELL, TISSUE, AND ORGAN PROTECTION USING A MAGNETIC FIELD ("the subject application").

AND WHEREAS, The Trustees Of The University Of Pennsylvania, ASSIGNEE, having a place of business at 3160 Chestnut Street, Suite 200, Philadelphia, Pennsylvania 19104, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 3 day of Decarb, year of 2013.

nature – James J. Pilla

STATEMENT OF NOTARY PUBLIC

: SS

On this 3 day of Docuber, year of 2013, before me personally came the above named James J. Pilla to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

COMMONWEALTH OF PENNSYLVANIA

NOTARIAL SEAL CORDELIA M. BAFFIC, Notary Public City of Philadelphia, Phila. County My Commission Expires May 9, 2014

ASSIGNMENT

WHEREAS, I, Keith A. Cengel, a citizen of United States, residing at 24 Levering Circle, Bala Cynwyd, Pennsylvania 19004, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number UPN-5881 / Z6564 ("the invention"), assigned application number 61/896,932 filed October 29, 2013, which is entitled CELL, TISSUE, AND ORGAN PROTECTION USING A MAGNETIC FIELD ("the subject application").

AND WHEREAS, The Trustees Of The University Of Pennsylvania, ASSIGNEE, having a place of business at 3160 Chestnut Street, Suite 200, Philadelphia, Pennsylvania 19104, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this ______ day of _______, year of 2013.

Signature – Keith A. Cengel

STATEMENT OF NOTARY PUBLIC

STATE OF Bing, him:

: SS

COUNTY OF Sheladelph:

when Boff

On this 3 day of day of year of 2013, before me personally came the above named Keith A. Cengel to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

Notary Public

COMMONWEALTH OF PENNSYLVANIA

NOTARIAL SEAL CORDELIA M. BAFFIC, Notary Public City of Philadelphia, Phila. County My Commission Expires May 9, 2014

ASSIGNMENT

WHEREAS, I, Alireza Kassaee, a citizen of United States, residing at 220 Meadow Greene Circle, Glenmoore, Pennsylvania 19343, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number UPN-5881 / Z6564 ("the invention"), assigned application number 61/896,932 filed October 29, 2013, which is entitled CELL, TISSUE, AND ORGAN PROTECTION USING A MAGNETIC FIELD ("the subject application").

AND WHEREAS, The Trustees Of The University Of Pennsylvania, ASSIGNEE, having a place of business at 3160 Chestnut Street, Suite 200, Philadelphia, Pennsylvania 19104, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 03 day of 12, year of 2013.

STATEMENT OF NOTARY PUBLIC

STATE OF Pennsy Ivani: : SS COUNTY OF Philadelphia:

On this 3 day of DECember, year of 2013, before me personally came the above named Alireza Kassaee to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

May all Clhire Notary Public

COMMONWEALTH OF PENNSYLVANIA NOTARIAL SEAL Mary Ann Clarke - Notary Public City of Philadelphia, Philadelphia County MY COMMISSION EXPIRES NOV. 14, 2018

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