# 504457753 07/14/2017

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4504454

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

#### **CONVEYING PARTY DATA**

| Name                     | Execution Date |
|--------------------------|----------------|
| STEPHEN F. BADYLAK       | 10/10/2016     |
| CHRISTOPHER LEE DEARTH   | 10/14/2016     |
| TIMOTHY JOSEPH KEANE JR. | 10/15/2016     |
| NEILL JORDON TURNER      | 10/03/2016     |

## **RECEIVING PARTY DATA**

| Name:             | UNIVERSITY OF PITTSBURGH - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION |
|-------------------|---|
| Street Address:   | 130 THACKERAY AVENUE  |
| Internal Address: | 1ST FLOOR GARDNER STEEL CONFERENCE CENTER                                 |
| City:             | PITTSBURGH  |
| State/Country:    | PENNSYLVANIA  |
| Postal Code:      | 15260   |

#### **PROPERTY NUMBERS Total: 1**

| Property Type | Number       |
|---------------|--------------|
| PCT Number:   | US2015021732 |

## **CORRESPONDENCE DATA**

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Address Line 4: PITTSBURGH, PENNSYLVANIA 15222

ATTORNEY DOCKET NUMBER: 6527-152016

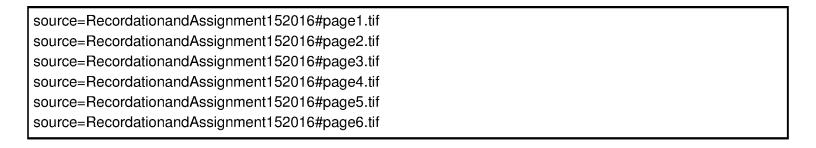
NAME OF SUBMITTER: JESSE A. HIRSHMAN

SIGNATURE: /Jesse A. Hirshman/

DATE SIGNED: 07/14/2017

Total Attachments: 6

PATENT REEL: 043009 FRAME: 0080



PATENT REEL: 043009 FRAME: 0081

| RECORDATION FORM COVER SHEET   |   |  |
|--|---|--|
| PATENT   | S ONLY  |  |
| To the Director of the U.S. Patent and Trademark Office: Pleas   | se record the attached documents or the new address(es) below.  |  |
| 1. Name of conveying party(ies) Stephen F. Badylak Christopher Lee Dearth Timothy Joseph Keane, Jr. Neill Jordon Turner  | 2. Name and address of receiving party(ies)  Name: University of Pittsburgh - Of the Commonwealth  System of Higher Education   |  |
| Additional name(s) of conveying party(ies) attached? Yes Action 3. Nature of conveyance/Execution Date(s):  Execution Date(s) 10/10/16; 10/14/16; 10/15/16; 10/03/16  Assignment Merger  Security Agreement Change of Name  Joint Research Agreement  Government Interest Assignment  Executive Order 9424, Confirmatory License  Other  4. Application or patent number(s): This  A. Patent Application No.(s)  PCT/US2015/021732 | Street Address: 1st Floor Gardner Steel Conference Center  130 Thackeray Avenue  City: Pittsburgh  State: Pennsylvania  Country: US Zip: 15260  Additional name(s) & address(es) attached? Yes No document serves as an Oath/Declaration (37 CFR 1.63).  B. Patent No.(s) |  |
| Additional numbers at 5. Name and address to whom correspondence concerning document should be mailed:   | 6. Total number of applications and patents involved: 1   |  |
| Name: <u>Jesse A. Hirshman</u> Internal Address: <u>The Webb Law Firm</u>  | <b>7. Total fee</b> (37 CFR 1.21(h) & 3.41) \$0   |  |
| Street Address: One Gateway Center 420 Ft. Duquesne Blvd., Ste 1200  | Authorized to be charged to deposit account Enclosed None required (government interest not affecting title)  |  |
| City: Pittsburgh   | 8. Payment Information  |  |
| State: PA Zip: 15222   |   |  |
| Phone Number: 412-471-8815  Docket Number: 6527 ~ 152016  Email Address: assignments@webblaw.com   | Deposit Account Number  Authorized User Name  |  |
| 9. Signature:    Jesse A. Hirshman   Jesse A. Hirshman   Name of Person Signing   Documents to be recorded (including cover sheet)   | Total number of pages including cover sheet, attachments, and documents:  6  t) should be faxed to (571) 273-0140, or mailed to:  |  |

PATENT

**REEL: 043009 FRAME: 0082** 

|                     | DOMESTIC     |
|---------------------|--------------|
| Application No      | 15/127,707   |
| Attorney Docket No. | 6527-1604159 |

### **ASSIGNMENT**

WHEREAS, as a below named inventor, I have invented certain new and useful improvements in

# improvements in METHODS FOR PREPARATION OF A TERMINALLY STERILIZED HYDROGEL DERIVED FROM EXTRACELLULAR MATRIX (Invention Title) for which a United States Provisional Patent application was filed on and bears Application Number (hereinafter "said application"). AND/OR for which I have this day executed an application for a United States Patent (hereinafter "said application"). AND/OR | X | for which an application for a United States Patent was filed on and bears Application Number 15/127,707 (hereinafter "said application"). AND/OR X for which an international patent application was filed under the Patent Cooperation Treaty on 03/20/2015 (mm/dd/yyyy), bearing Application No. PCT/US2015/021732 (hereinafter "said application"). A AND, WHEREAS, UNIVERSITY OF PITTSBURGH - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, a non-profit corporation, organized and existing under the laws of the Commonwealth of Pennsylvania, having a place of business at 1st Floor Gardner Steel Conference Center (GSCC), 130 Thackeray Avenue, Pittsburgh, PA 15260, hereinafter called the "assignee", is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed. NOW, THEREFORE, for good and valuable consideration paid to me by said assignee, the receipt of which is hereby acknowledged, I as the inventor or as one of the inventors, hereinafter the assignor(s), do hereby assign, sell and transfer unto said assignee the full and exclusive right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, continuations-in-part, renewals and/or extensions thereof. Such assignment extends to the full ends of the terms of these applications and patents as fully and entirely as the same would have been held and enjoyed by me had this Assignment not been made. I covenant that I am the lawful owner(s) of said application, inventions and improvements, that the same are unencumbered, that no license has been granted to make, use or vend the said inventions or improvements or any of them, and that I have the full right to make

Page 1 of 3

this Assignment.

|                     | DOMESTIC          |
|---------------------|-------------------|
| Application No      | <u>15/127,707</u> |
| Attorney Docket No. | 6527-1604159      |

And for the consideration aforesaid, I agree individually and, if applicable, jointly that I will communicate to said assignee or the representatives thereof any facts known to me respecting said inventions and improvements, and will, upon request but without expense to me, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, continuation-in-part, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts deemed necessary or expedient by said assignee or by counsel for said assignee to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This Assignment shall be binding upon my heirs, executors, administrators and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns, as the case may be, of said assignee.

| FULL NAME OF ASSIGNOR:     Stephen F. Badylak     | RESIDEN | NCE:<br>West Lafayette, IN |
|---|---------|----------------------------|
| EXECUTED this 10 day of Oct                       | ,2016   | Stew Budlaho               |
| WITNESS: Enily Buss Staysli                       |         |                            |
| FULL NAME OF ASSIGNOR:     Christopher Lee Dearth | RESIDEN | ICE:<br>Pittsburgh, PA     |
|   |         |                            |
| EXECUTED thisday of                               | , 2016  |                            |
| EXECUTED thisday of                               | , 2016  | SIGNATURE                  |
| EXECUTED thisday of                               | ,2016   |                            |

|                     | DOMESTIC     |
|---------------------|--------------|
| Application No.     | 15/127,707   |
| Attorney Docket No. | 6527-1604159 |

And for the consideration aforesaid, I agree individually and, if applicable, jointly that I will communicate to said assignee or the representatives thereof any facts known to me respecting said inventions and improvements, and will, upon request but without expense to me, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, continuation-in-part, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts deemed necessary or expedient by said assignee or by counsel for said assignee to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This Assignment shall be binding upon my heirs, executors, administrators and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns, as the case may be, of said assignee.

| FULL NAME OF ASSIGNOR:     Stephen F. Badylak    | RESID  | ENCE:<br>West Lafayette, IN | · ,      |
|--|--------|-----------------------------|----------|
| EXECUTED thisday of                              | , 2016 |                             |          |
|  |        | SIGNATURE                   | ,        |
| WITNESS:   |        |                             |          |
| 2. FULL NAME OF ASSIGNOR: Christopher Lee Dearth |        | vence: Laytensville, I      | 641.1120 |
| EXECUTED this 14 day of October  WITNESS: Bullet | , 2016 | SIGNATURE                   |          |

|X|

|   |                  | Application No.        | 15/127,707   |
|---|------------------|------------------------|--------------|
|   |                  | Attorney Docket No.    | 6527-1604159 |
| 3. FULL NAME OF ASSIGNOR: Timothy Joseph Keane, Jr. | RESIDEN          | CE:<br>Wellsboro, PA   |              |
| EXECUTED this 15th day of Oct                       | _, 2016          | TTT SIGNATUR           | E            |
| WITNESS: COLINE JUMEAUX JUME                        | <u>all</u> 13-16 | 0-2016                 |              |
| 4. FULL NAME OF ASSIGNOR;<br>Neill Jordon Turner    | RESIDEN          | ICE:<br>Pittsburgh, PA |              |
| EXECUTED thisday of                                 | _,2016           |                        |              |
|   |                  | Signaturi              | E            |
| armarana.   |                  |                        |              |

|                     | DOMESTIC     |
|---------------------|--------------|
| Application No.     | 15/127,707   |
| Attorney Docket No. | 6527-1604159 |

| 3. FULL NAME OF ASSIGNOR: Timothy Joseph Keane, Jr. | RESIDENCE; Wellsboro, PA |                        |  |
|---|--------------------------|------------------------|--|
| EXECUTED thisday of                                 | , 2016                   |                        |  |
|   |                          | SIGNATURE              |  |
| WITNESS:  |                          |                        |  |
| 4. FULL NAME OF ASSIGNOR: Neill Jordon Turner       | RESIDE                   | NCE:<br>Pittsburgh, PA |  |
| EXECUTED this 3 day of CCTOSER                      | , 2016                   | Med Tamer              |  |
| WITNESS: Seffin                                     |                          | SIGNATURE              |  |