

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5232168

| | |
|---|----------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| JOHN PARRY | 11/01/2018 |
| ANDREW MCQUAIDE | 11/08/2018 |
| KEVIN TAPPER | 11/05/2018 |
| RECEIVING PARTY DATA | |
| Name: | CENTINEL SPINE, LLC |
| Street Address: | 505 PARK AVENUE |
| Internal Address: | 14TH FLOOR |
| City: | NEW YORK |
| State/Country: | NEW YORK |
| Postal Code: | 10022 |
| PROPERTY NUMBERS Total: 3 | |
| Property Type | Number |
| Application Number: | 62575071 |
| Application Number: | 16165934 |
| PCT Number: | US2018056782 |
| CORRESPONDENCE DATA | |
| Fax Number: | |
| <i>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.</i> | |
| Email: | ip@farberllc.com |
| Correspondent Name: | FARBER LLC |
| Address Line 1: | 4 CORPORATE DRIVE |
| Address Line 2: | SUITE 287 |
| Address Line 4: | SHELTON, CONNECTICUT 06484 |
| ATTORNEY DOCKET NUMBER: | CSP 1010 |
| NAME OF SUBMITTER: | TRAM ANH NGUYEN |
| SIGNATURE: | /Tram Anh Nguyen/ |
| DATE SIGNED: | 11/12/2018 |
| Total Attachments: 3 | |

source=2018-11-12_Assignment_CSP-1010#page1.tif

source=2018-11-12_Assignment_CSP-1010#page2.tif

source=2018-11-12_Assignment_CSP-1010#page3.tif

PATENT

REEL: 047469 FRAME: 0485

ASSIGNMENT

WHEREAS We, the below named inventors, [hereinafter referred to as "Assignors"], have made an invention entitled:

POROUS IMPLANTABLE INTERBODY DEVICES

for which we have executed or authorized the execution of a U.S. provisional application filed on **October 20, 2018** and assigned Application No. **62/575,071**, a U.S. patent application for United States Letters Patent filed on **October 19, 2018** and assigned and Patent Application No. **16/165,934**, and also PCT International Application No. **PCT/US2018/056782**, filed on **October 19, 2018**;

WHEREAS, **Centinel Spine, LLC**, a Limited Liability Company, located at **505 Park Avenue, 14th Floor, New York, NY 10022** [hereinafter referred to as "Assignee"], desires to secure the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the provisional application for United States Letters Patent on this invention and all Letters Patent to be issued claiming priority to this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, we, as Assignors, hereby acknowledge that we have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention, and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority (if any), as well as all rights to claim priority on the basis of this application, and all applications for Letters Patent which may be granted on this invention in any foreign country, and all 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 foreign country whose duty it is to issue patents on applications as described above, to issues all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

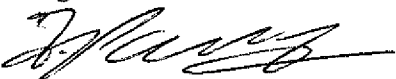

AND WE HEREBY authorize and request our agents, **Farber LLC**, whose address is 4 Corporate Drive, Suite 287, Shelton, CT 06484, to insert hereon any identification necessary or desirable for recordation of this document, including the filing date and application number of said U.S. application when known;


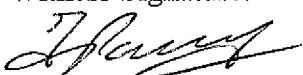
AND, WE HEREBY affirm our belief that we are the original inventor of a claimed invention in this application;

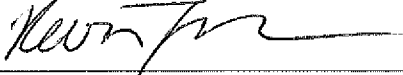

AND, WE HEREBY affirm that we have the full right to convey the interest assigned by this Assignment, and we have not executed and will not execute any agreement in conflict with this Agreement;

AND, WE HEREBY further affirm and agree that we will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me in respect to this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue application, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF,

| | | |
|---|--|----------------------------------|
| Full name of First Inventor: John Parry | | Citizenship: US UK |
| Address: 920 Pineview Dr., West Chester, PA 19380 | | |
| Inventor Signature:  | | Date: 11 / 1 / 18 |
| Witness Signature:  | Witness Name (Printed): Andrew McQuaide | |

| | | |
|--|---------------------------------------|------------------------|
| Full name of First Inventor: Andrew McQuaide | | Citizenship: US |
| Address: 204 Wayside Lane, Lincoln University, PA 19352 | | |
| Inventor Signature:  | | Date: 11 / 8 / 2018 |
| Witness Signature:  | Witness Name (Printed): JOHN PARRY | |

| | | |
|---|-------------------------|--------------|
| Full name of First Inventor: | | Citizenship: |
| Kevin Tapper | | US |
| Address: | | |
| 269 Live Oak Lane, West Chester, PA 19380 | | |
| Inventor Signature: | | Date: |
|  | | 5 Nov 2018 |
| Witness Signature: | Witness Name (Printed): | |
|  | JOHN PARRY | |