

|                                      |
|--------------------------------------|
| <b>PATENT ASSIGNMENT COVER SHEET</b> |
|--------------------------------------|

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3586662

|   |                               |
|---|-------------------------------|
| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                    |
| <b>CONVEYING PARTY DATA</b>   |                               |
| <b>Name</b>   | <b>Execution Date</b>         |
| RICHARD FISER   | 07/11/2015                    |
| KENNETH P. GRACE  | 08/25/2015                    |
| <b>RECEIVING PARTY DATA</b>   |                               |
| <b>Name:</b>  | THE SPECTRANETICS CORPORATION |
| <b>Street Address:</b>  | 9965 FEDERAL DRIVE            |
| <b>City:</b>  | COLORADO SPRINGS              |
| <b>State/Country:</b>   | COLORADO                      |
| <b>Postal Code:</b>   | 80921-3617                    |
| <b>PROPERTY NUMBERS Total: 2</b>  |                               |
| <b>Property Type</b>  | <b>Number</b>                 |
| <b>Application Number:</b>  | 62010577                      |
| <b>Application Number:</b>  | 14735946                      |
| <b>CORRESPONDENCE DATA</b>  |                               |
| <b>Fax Number:</b>  | (303)607-3600                 |
| <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> |                               |
| <b>Phone:</b>   | (303) 607-3500                |
| <b>Email:</b>   | aimee.miller@faegreBD.com     |
| <b>Correspondent Name:</b>  | FAEGRE BAKER DANIELS LLP      |
| <b>Address Line 1:</b>  | 1700 LINCOLN STREET           |
| <b>Address Line 2:</b>  | SUITE 3200                    |
| <b>Address Line 4:</b>  | DENVER, COLORADO 80203        |
| <b>ATTORNEY DOCKET NUMBER:</b>  | 487145.000677                 |
| <b>NAME OF SUBMITTER:</b>   | STEVEN C. WIEMER              |
| <b>SIGNATURE:</b>   | /steven c wiemer/             |
| <b>DATE SIGNED:</b>   | 10/26/2015                    |
| <b>Total Attachments: 3</b>   |                               |
| source=487145-000677-Assignment-signed#page1.tif  |                               |
| source=487145-000677-Assignment-signed#page2.tif  |                               |
| source=487145-000677-Assignment-signed#page3.tif  |                               |

|                   |  |             |
|-------------------|--|-------------|
| <b>ASSIGNMENT</b> | Attorney Docket No.: 487145.000677   | Page 1 of 2 |
|                   | First Named Inventor: Richard Fiser  |             |
|                   | Title: CONVERTIBLE OPTICAL AND PRESSURE WAVE<br>ABLATION SYSTEM AND METHOD |             |

WHEREAS, we, **Richard Fiser**, residing at 424 McShane Place, Monument, Colorado 80132, and **Kenneth P. Grace**, residing at 430 Hopi Trail, Woodland Park, Colorado 80863, have invented certain new and useful improvements as described as follows:

U.S. Provisional Patent Application Serial No. 62/010,577 entitled **CONVERTIBLE OPTICAL AND PRESSURE WAVE ABLATION SYSTEM AND METHOD**, filed June 11, 2014; and

U.S. Patent Application Serial No. 14/735,946 entitled **CONVERTIBLE OPTICAL AND PRESSURE WAVE ABLATION SYSTEM AND METHOD**, filed June 10, 2015; and

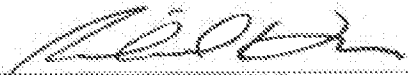
WHEREAS, The Spectranetics Corporation, having an address of 9965 Federal Drive, Colorado Springs, Colorado 80921 ("Assignee"), is desirous of acquiring the entire right, title and interest in and to the invention, the application, and any and all Letters Patent or similar legal protection, foreign or domestic, to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, we transfer to Assignee, its successors and assigns, our entire right, title, and interest in and to the invention, the above-identified patent application, corresponding domestic applications (including provisionals, divisionals, continuations, and continuations-in-part), corresponding foreign applications, all Letters Patent or similar legal protection issuing thereon, and all rights and benefits under any applicable treaty or convention; and we authorize the Commissioner of Patents and Trademarks of the United States or foreign equivalent thereof to issue the Letters Patent or similar legal protection to the Assignee.

We authorize the Assignee, its successors and assigns, to insert in this instrument the filing date and application number of the application when ascertained. We authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries.

We represent to the Assignee, its successors and assigns, that we have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. We, or our executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries.

|                   |   |             |
|-------------------|---|-------------|
| <b>ASSIGNMENT</b> | Attorney Docket No.: 487145.000677                                      | Page 2 of 2 |
|                   | First Named Inventor: Richard Fiser                                     |             |
|                   | Title: CONVERTIBLE OPTICAL AND PRESSURE WAVE ABLATION SYSTEM AND METHOD |             |

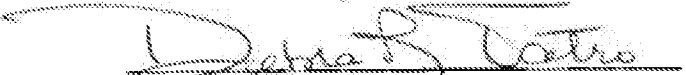
  
 Richard Fiser

Date 11 July 2015

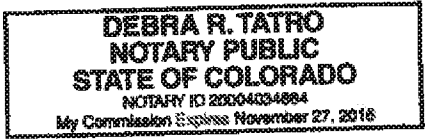
**CERTIFICATE OF ACKNOWLEDGMENT**

STATE OF Colorado )  
 : SS.  
 COUNTY OF El Paso )

Subscribed and sworn to before me, a Notary Public,  
 this 11<sup>th</sup> day of July, 2015.

  
 Notary Public

(SEAL)



Kenneth P. Grace

Date \_\_\_\_\_

**CERTIFICATE OF ACKNOWLEDGMENT**

STATE OF \_\_\_\_\_ )  
 : SS.  
 COUNTY OF \_\_\_\_\_ )

Subscribed and sworn to before me, a Notary Public,  
 this \_\_\_\_\_ day of \_\_\_\_\_, 2015.

Notary Public

(SEAL)

**ASSIGNMENT**

Attorney Docket No.: 487145.000677

Page 2 of 2

First Named Inventor: Richard Fiser

Title: CONVERTIBLE OPTICAL AND PRESSURE WAVE  
ABLATION SYSTEM AND METHOD

Richard Fiser

Date \_\_\_\_\_

**CERTIFICATE OF ACKNOWLEDGMENT**

STATE OF \_\_\_\_\_ )  
: SS.  
COUNTY OF \_\_\_\_\_ )

Subscribed and sworn to before me, a Notary Public,  
this \_\_\_\_\_ day of \_\_\_\_\_, 2015.

Notary Public

(SEAL)

*[Handwritten Signature]*

Kenneth P. Grace

Date 25-Aug-2015

**CERTIFICATE OF ACKNOWLEDGMENT**

STATE OF Colorado )  
: SS.  
COUNTY OF El Paso )

Subscribed and sworn to before me, a Notary Public,  
this 25 day of August, 2015.

*[Handwritten Signature]*

Notary Public

(SEAL)



My Commission Expires 07/06/2018