# 504159228 12/30/2016

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4205903

| SUBMISSION TYPE:  |  | NEW ASSIGNM   | NEW ASSIGNMENT  |  |                       |
|---|--|---|---|--|-----------------------|
| NATURE OF CONVEYANCE:   |  | ASSIGNMENT  |   |  |                       |
| CONVEYING PARTY D   | ΑΤΑ  |   |   |  |                       |
|   |  | Name  |   |  | <b>Execution Date</b> |
| LUMENR, LLC   |  |   |   |  | 11/01/2016            |
| RECEIVING PARTY DA  |  |   |   |  |                       |
| Name:   | ATA<br>BOSTON SCIENTIFIC SCIMED, INC.  |   |   |  |                       |
| Street Address:   |  |   | .0, 110.  |  |                       |
| City:   | MAPLE G  | _   |   |  |                       |
| -   |  |   |   |  |                       |
| State/Country:<br>Postal Code:  | MINNESC  |   |   |  |                       |
| Postal Code:  | 55311  |   |   |  |                       |
| PROPERTY NUMBERS  | 6 Total: 1   |   |   |  |                       |
| Property Type   |  | Numbe   | er  | 7  |                       |
| Application Number:   | 12   | 70604   |   |  |                       |
|   | •  |   |   |  |                       |
| CORRESPONDENCE D  | ΔΤΑ  |   |   |  |                       |
| <b>Fax Number:</b> (203)329-8187  |  |   |   |  |                       |
| Fax Number:   | (20  | 3)329-8187  |   |  |                       |
| Correspondence will b   | be sent to tl  | e e-mail address f  |   |  |                       |
| Correspondence will b<br>using a fax number, if   | be sent to the provided; i   | e e-mail address f<br>that is unsuccess   |   |  |                       |
| Correspondence will b   | <b>be sent to tl</b><br>provided; i<br>20  | e e-mail address f<br>that is unsuccess<br>3.329.0289   | ful, it will be se  |  |                       |
| <i>Correspondence will b<br/>using a fax number, if</i><br>Phone:   | <b>be sent to th</b><br><b>provided; i</b><br>20<br>ne   | e e-mail address f<br>that is unsuccess   | ful, it will be se  |  |                       |
| <i>Correspondence will b<br/>using a fax number, if</i><br>Phone:<br>Email:   | <b>be sent to ti</b><br>provided; i<br>20<br>ne<br>NE  | e e-mail address f<br>that is unsuccess<br>3.329.0289<br>gershon@sbcgloba   | <i>ful, it will be se</i><br>Il.net   |  |                       |
| Correspondence will b<br>using a fax number, if<br>Phone:<br>Email:<br>Correspondent Name:  | <b>be sent to tl</b><br>provided; i<br>20<br>ne<br>NE<br>10  | e e-mail address f<br>that is unsuccess<br>3.329.0289<br>gershon@sbcgloba   | <i>ful, it will be se</i><br>Il.net<br>)AD  |  |                       |
| Correspondence will b<br>using a fax number, if<br>Phone:<br>Email:<br>Correspondent Name:<br>Address Line 1:<br>Address Line 4:  | <b>be sent to ti</b><br>provided; i<br>20<br>ne<br>NE<br>10<br>ST  | e e-mail address f<br>that is unsuccess<br>3.329.0289<br>gershon@sbcgloba<br>IL D. GERSHON<br>1 HIGH RIDGE RC   | <i>ful, it will be se</i><br>Il.net<br>)AD  |  |                       |
| Correspondence will b<br>using a fax number, if<br>Phone:<br>Email:<br>Correspondent Name:<br>Address Line 1:<br>Address Line 4:  | be sent to the provided; i<br>20<br>ne<br>NE<br>10<br>S1<br>UMBER:   | e e-mail address f<br>that is unsuccess<br>3.329.0289<br>gershon@sbcgloba<br>IL D. GERSHON<br>1 HIGH RIDGE RC<br>AMFORD, CONNE  | <i>ful, it will be se</i><br>Il.net<br>DAD<br>CTICUT 06905  |  |                       |
| Correspondence will b<br>using a fax number, if<br>Phone:<br>Email:<br>Correspondent Name:<br>Address Line 1:<br>Address Line 4:<br>ATTORNEY DOCKET NU  | be sent to the provided; i<br>20<br>ne<br>NE<br>10<br>S1<br>UMBER:   | e e-mail address f<br>that is unsuccess<br>3.329.0289<br>gershon@sbcgloba<br>IL D. GERSHON<br>1 HIGH RIDGE RC<br>AMFORD, CONNE  | <i>ful, it will be se</i><br>Il.net<br>DAD<br>CTICUT 06905<br>ON  | nt via US Ma   |                       |
| Correspondence will b<br>using a fax number, if<br>Phone:<br>Email:<br>Correspondent Name:<br>Address Line 1:<br>Address Line 4:<br>ATTORNEY DOCKET NU<br>NAME OF SUBMITTER:<br>SIGNATURE:  | be sent to the provided; i<br>20<br>ne<br>NE<br>10<br>S1<br>UMBER:   | e e-mail address f<br>that is unsuccess<br>3.329.0289<br>gershon@sbcgloba<br>IL D. GERSHON<br>1 HIGH RIDGE RC<br>AMFORD, CONNE<br>7213<br>NEIL D. GERHS   | <i>ful, it will be se</i><br>Il.net<br>DAD<br>CTICUT 06905<br>ON  | nt via US Ma   |                       |
| Correspondence will b<br>using a fax number, if<br>Phone:<br>Email:<br>Correspondent Name:<br>Address Line 1:<br>Address Line 4:<br>ATTORNEY DOCKET NU<br>NAME OF SUBMITTER:<br>SIGNATURE:<br>DATE SIGNED:  | be sent to the provided; i<br>20<br>ne<br>NE<br>10<br>S1<br>UMBER:   | e e-mail address f<br>that is unsuccess<br>3.329.0289<br>gershon@sbcgloba<br>IL D. GERSHON<br>1 HIGH RIDGE RC<br>AMFORD, CONNE<br>7213<br>7213<br>NEIL D. GERHS<br>/NEIL D. GERSF   | <i>ful, it will be se</i><br>Il.net<br>DAD<br>CTICUT 06905<br>ON  | nt via US Ma   |                       |
| Correspondence will b<br>using a fax number, if<br>Phone:<br>Email:<br>Correspondent Name:<br>Address Line 1:<br>Address Line 4:<br>ATTORNEY DOCKET NUNAME OF SUBMITTER:<br>SIGNATURE:<br>DATE SIGNED:<br>Total Attachments: 6  | be sent to the provided; i<br>20<br>ne<br>NE<br>10<br>ST   | e e-mail address fithat is unsuccess<br>3.329.0289<br>gershon@sbcgloba<br>IL D. GERSHON<br>1 HIGH RIDGE RC<br>AMFORD, CONNEC<br>7213<br>NEIL D. GERHS<br>/NEIL D. GERHS<br>12/30/2016   | <i>ful, it will be se</i><br>al.net<br>DAD<br>CTICUT 06905<br>ON<br>HON, REG. # 32  | nt via US Ma   |                       |
| Correspondence will b<br>using a fax number, if<br>Phone:<br>Email:<br>Correspondent Name:<br>Address Line 1:<br>Address Line 4:<br>ATTORNEY DOCKET NU<br>NAME OF SUBMITTER:<br>SIGNATURE:<br>DATE SIGNED:<br>Total Attachments: 6<br>source=7213_Assignment  | be sent to the provided; in 20 ne 20 | e e-mail address fi<br>that is unsuccess<br>3.329.0289<br>gershon@sbcgloba<br>IL D. GERSHON<br>1 HIGH RIDGE RC<br>AMFORD, CONNEC<br>7213<br>7213<br>7213<br>NEIL D. GERHS<br>/NEIL D. GERHS<br>12/30/2016   | <i>ful, it will be se</i><br>al.net<br>DAD<br>CTICUT 06905<br>ON<br>HON, REG. # 32  | nt via US Ma<br>,225/<br>tif                             |                       |
| Correspondence will b<br>using a fax number, if<br>Phone:<br>Email:<br>Correspondent Name:<br>Address Line 1:   | be sent to the provided; in 20 20 20 20 20 20 20 20 20 20 20 20 20   | e e-mail address fithat is unsuccess<br>3.329.0289<br>gershon@sbcgloba<br>IL D. GERSHON<br>1 HIGH RIDGE RC<br>AMFORD, CONNEC<br>7213<br>7213<br>NEIL D. GERHS<br>/NEIL D. GERHS<br>12/30/2016   | ful, it will be se<br>al.net<br>DAD<br>CTICUT 06905<br>ON<br>HON, REG. # 32<br>c_FINAL#page1.<br>c_FINAL#page2.                                 | nt via US Ma<br>,225/<br>tif<br>tif                      |                       |
| Correspondence will b<br>using a fax number, if<br>Phone:<br>Email:<br>Correspondent Name:<br>Address Line 1:<br>Address Line 4:<br>ATTORNEY DOCKET NU<br>NAME OF SUBMITTER:<br>SIGNATURE:<br>DATE SIGNED:<br>Total Attachments: 6<br>source=7213_Assignments<br>source=7213_Assignments<br>source=7213_Assignments | e sent to the<br>provided; i<br>20<br>ne<br>NE<br>10<br>ST<br>UMBER:<br>UMBER:<br>ut_LumenR_<br>nt_LumenR_<br>nt_LumenR_   | e e-mail address fithat is unsuccess<br>3.329.0289<br>gershon@sbcgloba<br>IL D. GERSHON<br>1 HIGH RIDGE RC<br>AMFORD, CONNEC<br>7213<br>NEIL D. GERHS<br>/NEIL D. GERHS<br>12/30/2016<br>To_Boston Scientifie<br>To_Boston Scientifie<br>To_Boston Scientifie | ful, it will be se<br>al.net<br>DAD<br>CTICUT 06905<br>ON<br>HON, REG. # 32<br>C_FINAL#page1.<br>c_FINAL#page3.<br>c_FINAL#page4.               | nt via US Ma<br>,225/<br>tif<br>tif<br>tif<br>tif        |                       |
| Correspondence will b<br>using a fax number, if<br>Phone:<br>Email:<br>Correspondent Name:<br>Address Line 1:<br>Address Line 4:<br>ATTORNEY DOCKET NU<br>NAME OF SUBMITTER:<br>SIGNATURE:<br>DATE SIGNED:<br>Total Attachments: 6<br>source=7213_Assignments<br>source=7213_Assignments                            | e sent to the<br>provided; i<br>20<br>ne<br>NE<br>10<br>ST<br>UMBER:<br>UMBER:<br>t_LumenR_<br>t_LumenR_<br>t_LumenR_<br>t_LumenR_<br>t_LumenR_  | e e-mail address fi<br>that is unsuccess<br>3.329.0289<br>gershon@sbcgloba<br>IL D. GERSHON<br>1 HIGH RIDGE RC<br>AMFORD, CONNEC<br>7213<br>7213<br>7213<br>7213<br>7213<br>7213<br>7213<br>7213  | ful, it will be se<br>al.net<br>DAD<br>CTICUT 06905<br>ON<br>ION, REG. # 32<br>C_FINAL#page1<br>c_FINAL#page3<br>c_FINAL#page4<br>c_FINAL#page5 | nt via US Ma<br>,225/<br>tif<br>tif<br>tif<br>tif<br>tif |                       |

#### ASSIGNMENT OF PATENTS AND PATENT APPLICATIONS

This Assignment of Patents and Patent Applications is made as of the 1<sup>st</sup> day of November, 2016 (this "<u>Assignment</u>") by LumenR, LLC, a Delaware limited liability company ("<u>Assignor</u>"), in favor of Boston Scientific Scimed, Inc., a Minnesota corporation ("<u>Assignee</u>"). Capitalized terms used and not otherwise defined herein shall have the meanings ascribed to them in that certain Asset Purchase Agreement dated as of November 1, 2016 (the "<u>Purchase Agreement</u>"), by and between Assignor and Assignee.

WHEREAS, Assignor is the owner of certain patents and patent applications in the United States Patent and Trademark Office and other foreign offices identified in <u>Exhibit 1</u> attached hereto (the "<u>Assigned Patent Rights</u>");

WHEREAS, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor desires to sell, transfer, assign and set over unto Assignee all right, title and interest of Assignor in and to the Assigned Patent Rights, pursuant to the terms of the Purchase Agreement;

WHEREAS, pursuant to the terms of the Purchase Agreement. Assignor has agreed to execute and deliver all documents as the Buyer may reasonably request of Assignor to effect the transactions contemplated by the Purchase Agreement, including all instruments of assignment and transfer with respect to the Assigned Patent Rights; and

NOW, THEREFORE, for good and valuable consideration, including the representations, warranties, covenants and agreements contained in the Purchase Agreement, the receipt and sufficiency of which are hereby acknowledged, Assignor does hereby sell, assign, transfer and set over unto Assignee, its successors and assigns, the entire and exclusive right, title and interest in and to the Assigned Patent Rights, including all inventions in the United States and throughout the world described therein, and the applications and patents issuing from applications listed therein, and any applications and patents claiming priority to any of those listed therein, and any applications and patents from which those listed therein may claim priority to, and any other continuations-in-part, divisionals, reissues, extensions and foreign counterparts of the Assigned Patent Rights, together with all claims for damages by reason of past, present or future infringement of any Assigned Patent Rights, with the right to sue for and collect the same, and any and all other corresponding rights that have been, or hereafter may be, secured throughout the world with respect to the Assigned Patent Rights. Assignor further agrees to execute and has executed all documents. instruments and papers and to perform all acts, without any further consideration, as reasonably requested by Assignee, its successors and assigns, to perfect in Assignee, its successors and assigns, the foregoing rights, title and interests, including the execution of any related domestic or foreign application documents.

Assignor hereby authorizes and requests the Director of the United States Patent and Trademark Office (and its foreign counterparts in any applicable jurisdiction) to issue the Patents resulting from the applications in the Assigned Patent Rights to Assignee, its successors and assigns.

This Assignment is subject in all respects to the terms and conditions of the Purchase Agreement, which are incorporated herein by reference. This Assignment is given to further evidence (and give immediate effect to) the transfers and assignments contemplated by the Purchase Agreement upon the terms and conditions specified therein. Nothing contained in this Assignment shall in any way supersede, modify, replace, amend, change, rescind, waive, exceed, expand,

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reduce, enlarge or in any way affect the provisions, including warranties, covenants, agreements, conditions, representations or, in general, any of the rights and remedies, and any of the obligations, of any party to the Purchase Agreement set forth therein. In the event of any conflict or inconsistency between the terms of the Purchase Agreement and the terms hereof, the terms of the Purchase Agreement will govern.

This Assignment shall be governed by, and construed in accordance with the laws of the State of Delaware, United States, without regard to conflicts of law principles.

This Assignment may be executed in multiple counterparts, each of which will be deemed an original, but all such counterparts taken together will constitute one and the same Assignment. Copies of executed signature pages delivered by facsimile or other electronic means (*i.e.*, .pdf or .tif) shall be deemed originals.

[Signature Pages Follow]

IN WITNESS WHEREOF, Assignor has executed this Assignment as an instrument under seal effective as of this \_\_\_\_\_ day of October, 2016.

LUMENR, LLC By:

**Gregory Piskun** Name: Title: Chief Executive Officer

STATE OF Fla Bch COUNTY OF Palm

Nov

On this the (1) day of October, 2016, before me appeared (2) (1) (1) (2)

Notary Public<sup>2</sup>

My commission expires:

Notary Public State of Florida Jon Doherty My Commission FF 000297 Expires 05/20/2017

(SIGNATURE PAGE TO ASSIGNMENT OF PATENTS AND PATENT APPLICATIONS)

IN WITNESS WHEREOF, Assignee has executed this Assignment as an instrument under seal effective as of this <u>lst</u> day of November, 2016.

BOSTON SCIENTIFIC SCIMED, INC.

By: Name: Vance R. Brown

Title: Vice President & Secretary

[SIGNATURE PAGE TO ASSIGNMENT OF PATENTS AND PATENT APPLICATIONS]

PATENT REEL: 040809 FRAME: 0812

## EXHIBIT 1

## Patent Rights

| U.S. Filings  |                      |  |
|---|----------------------|--|
| Serial/Publication No.  | Filing Date          | Title  |
| U.S. Patent No. 9,039,601   | August 25, 2009      | Endoluminal treatment method and associated<br>surgical assembly including tissue occlusion<br>device                |
| U.S. Application No.<br>14/511.694  | October 10, 2014     | ENDOLUMINAL TREATMENT METHOD<br>AND ASSOCIATED SURGICAL<br>ASSEMBLY  |
| (U.S. Publication No. 2015-<br>0045616)                                   |                      |  |
| U.S. Application No.<br>15/168,083  | May 29, 2016         | ENDOLUMINAL TREATMENT METHOD<br>AND ASSOCIATED SURGICAL<br>ASSEMBLY  |
| U.S. Patent No. 8,506,479   | December 16,<br>2010 | Substantially rigid and stable endoluminal<br>surgical suite for treating a gastrointestinal<br>lesion               |
| U.S. Patent No. 9,161,746   | December 23,<br>2012 | Substantially rigid and stable endoluminal<br>surgical suite for treating a gastrointestinal<br>lesion               |
| U.S. Application No.<br>14/732,749  | June 7, 2015         | SUBSTANTIALLY RIGID AND STABLE<br>ENDOLUMINAL SURGICAL SUITE FOR<br>TREATING A GASTROINTESTINAL<br>LESION            |
| (U.S. Publication No. 2015/0265818)                                       |                      |  |
| U.S. Application No.<br>14/738,863 (U.S. Publication<br>No. 2015/0313584) | June 13, 2015        | SUSTANTIALLY RIGID AND STABLE<br>ENDOLUMINAL SURGICAL SUITE FOR<br>TREATING A GASTROINTESTINAL<br>LESION             |
| U.S. Application No.<br>15/173,455 (U.S. Publication<br>No. 2011/0288538) | June 3, 2016         | APPARATUS AND METHOD FOR<br>EFFECTING AT LEAST ONE<br>ANATOMICAL STRUCTURE   |
| U.S. Application No.<br>14/866,695 (U.S. Publication<br>No. 2016/0015252) | September 25, 2015   | SUBSTANTIALLY RIGID AND STABLE<br>ENDOLUMINAL SURGICAL SUITE FOR<br>TREATING A GASTROINTESTINAL<br>LESION            |
| U.S. Patent No. 8,932,211   | June 22, 2012        | Floating, multi-lumen-catheter retractor<br>system for a minimally-invasive, operative<br>gastrointestinal treatment |
| U.S. Patent No. 9,125,636   | April 12, 2013       | Endoluminal device with retractor system   |
| U.S. Patent No. 9.186,130   | April 12, 2013       | Endoluminal system for gastrointestinal treatment  |
| U.S. Application No.<br>14/506,666 (U.S. Publication<br>No. 2015/0025314) | October 5, 2014      | ENDOLUMINAL SYSTEM AND METHOD<br>FOR GASTROINTESTINAL TREATMENT  |
| U.S. Application No. 15/230,455   | August 7, 2016       | FLOATING, MULTI-LUMEN-CATHETER<br>RETRACTOR SYSTEM FOR A   |

|                              |                  | 1  |
|------------------------------|------------------|--|
|                              |                  | MINIMALLY-INVASIVE, OPERATIVE                  |
|                              |                  | GASTROINTESTINAL TREATMENT                     |
| U.S. Application No.         | April 25, 2015   | FLOATING, MULTI-LUMEN-CATHETER                 |
|                              |                  | RETRACTOR SYSTEM FOR A                         |
| 14/696,421 (U.S. Publication |                  | MINIMALLY-INVASIVE, OPERATIVE                  |
| No. 2015/0223798)            |                  | GASTROINTESTINAL TREATMENT                     |
| U.S. Application No.         | August 1, 2015   | ENDOLUMINAL DEVICE WITH                        |
| 14/815,985 (U.S. Publication |                  | RETRACTOR SYSTEM                               |
|                              |                  |  |
| No. 2015/0335324)            |                  |  |
| U.S. Application No. 14/929, | October 30, 2015 | ENDOLUMINAL SYSTEM FOR                         |
| 214 (U.S. Publication No.    |                  | GASTROINTESTINAL TREATMENT                     |
| 2016/0051128)                |                  |  |
| 2010/0031128)                |                  |  |
|                              | June 9, 2013     | Multi-lumen-catheter retractor system for a    |
|                              |                  | minimally-invasive, operative gastrointestinal |
| U.S. Patent No. 9,186,131    |                  | treatment                                      |
| U.S. Application No.         | April 4, 2015    | MULTI-LUMEN-CATHETER                           |
|                              |                  | RETRACTOR SYSTEM FOR A                         |
| 14/678,949 (U.S. Publication | 1                | MINIMALLY-INVASIVE, OPERATIVE                  |
| No. 2015-0209024)            |                  | GASTROINTESTINAL TREATMENT                     |
| ILC Annilis and a N          | June 20, 2015    | FLOATING, MULTI-LUMEN-CATHETER                 |
| U.S. Application No.         | June 20, 2015    | RETRACTOR SYSTEM FOR A                         |
| 14/745,396 (U.S. Publication |                  | MINIMALLY-INVASIVE, OPERATIVE                  |
| No. 2015/0282800)            |                  | GASTROINTESTINAL TREATMENT                     |
|                              | June 27, 2015    | FLOATING, MULTI-LUMEN-CATHETER                 |
| U.S. Application No.         | June 27, 2015    | RETRACTOR SYSTEM FOR A                         |
| 14/752,908 (U.S. Publication |                  | MINIMALLY INVASIVE, OPERATIVE                  |
| No. 2015/0297209)            |                  | GASTROINTESTINAL TREATMENT                     |
| 110.2015/02/1207             | 7.1.0.0016       | MULTI-LUMEN-CATHETER                           |
|                              | July 2, 2016     |  |
| U.S. Application No.         |                  | RETRACTOR SYSTEM FOR A                         |
|                              |                  | MINIMALLY-INVASIVE, OPERATIVE                  |
| 15/201,398                   |                  | GASTROINTESTINAL TREATMENT                     |
| U.S. Application No.         | December 7,      | MULTI-LUMEN-CATHETER                           |
|                              | 2013             | RETRACTOR SYSTEM FOR A                         |
| 14/099,943 (U.S. Publication |                  | MINIMALLY-INVASIVE, OPERATIVE                  |
| No. 2014/0142393)            |                  | GASTROINTESTINAL TREATMENT                     |
| U.S. Application No.         | February 14,     | SYSTEM FOR A MINIMALLY-INVASIVE,               |
| 14/622,831 (U.S. Publication | 2015             | OPERATIVE GASTROINTESTINAL                     |
| •                            | 2015             | TREATMENT                                      |
| No. 2015-0157192)            |                  |  |
| U.S. Application No.         | May 16, 2015     | TISSUE RETRACTOR FOR MINIMALLY                 |
| 14/714,287 (U.S. Publication | -                | INVASIVE SURGERY                               |
| No. 2015/0272564)            |                  |  |
| 110. 2013/02/230T)           | 10 0016          | 1  |
|                              | May 16, 2016     | TISSUE RETRACTOR FOR MINIMALLY                 |
|                              |                  | INVASIVE SURGERY                               |
| U.S. Application No.         |                  |  |
| 15/148,999                   |                  |  |
| 1                            |                  |  |
|                              | September 10     | SYSTEM FOR A MINIMALLY-INVASIVE,               |
|                              | 2016             | OPERATIVE GASTROINTESTINAL                     |
|                              |                  | TREATMENT                                      |
| U.S. Application No.         |                  |  |
|                              |                  |  |
| 15/261,930                   |                  |  |

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