PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2611020

| SUBMISSION TYPE: | | | NEW ASSIGNMENT | | |
|---|-------------------------|-----------------------|--|----------------|--|
| NATURE OF CONVEYANCE: | | | ASSIGNMENT | | |
| CONVEYING PART | Ύ DATA | , | | | |
| Name | | | | Execution Date | |
| JAMES M. BRUGGER | | | | 09/26/2013 | |
| DENNIS M. TREU | | | | 10/14/2013 | |
| JEFFREY H. BURBANK | | | | 09/27/2013 | |
| SCOTT W. NEWELL | | | | 09/27/2013 | |
| WILLIAM J. SCHNI | ELL | | | 10/08/2013 | |
| KENNETH E. BUC | KLER | | | 09/26/2013 | |
| | | | | | |
| RECEIVING PARTY | (DATA | | | | |
| Name: | NXSTAGE M | NXSTAGE MEDICAL, INC. | | | |
| Street Address: | 350 MERRIM | 350 MERRIMACK STREET | | | |
| City: | | LAWRENCE | | | |
| State/Country: | MASSACHUS | MASSACHUSETTS | | | |
| Postal Code: | 01843 | 01843 | | | |
| PROPERTY NUMB | ERS Total: 1 | | | | |
| [| | | | | |
| Property | Туре | | Number | | |
| Application Numbe | r: | 14115 | 924 | | |
| CORRESPONDEN | CE DATA | | | | |
| Fax Number: | (703) | 610-8 | 686 | | |
| Phone: 703-903-9000 | | | | | |
| Email: | | | | | |
| - | | | hen the email attempt is unsuccessful. | | |
| Correspondent Nam | | | CATAN, ESQ. | | |
| Address Line 1: Address Line 2: | MILES & STOCKBRIDGE, PC | | | | |
| Address Line 2:1751 PINNACLE DRIVE, SUITE 500Address Line 4:TYSONS CORNER, VIRGINIA 22102 | | | | | |
| ATTORNEY DOCKET NUMBER: T4342-18383 | | | T4342-18383US01 | | |
| | | | | PATENT | |
| 502565238 REEL: 031580 FRAME: 0942 | | | | | |

| NAME OF SUBMITTER: | CHERYL GIBSON | | | |
|--|-----------------|--|--|--|
| Signature: | /Cheryl Gibson/ | | | |
| Date: | 11/12/2013 | | | |
| Total Attachments: 6 source=T4342-18383US01 EXECUTED ASSIGNMENT#page1.tif source=T4342-18383US01 EXECUTED ASSIGNMENT#page2.tif source=T4342-18383US01 EXECUTED ASSIGNMENT#page3.tif source=T4342-18383US01 EXECUTED ASSIGNMENT#page4.tif source=T4342-18383US01 EXECUTED ASSIGNMENT#page5.tif source=T4342-18383US01 EXECUTED ASSIGNMENT#page6.tif | | | | |

Assignment

WHEREAS, I/We, <u>BRUGGER, James M.; TREU, Dennis M.; BURBANK, Jeffrey H.;</u> <u>NEWELL, Scott W.; SCHNELL, William J.; BUCKLER, Kenneth E.</u>, have made an invention entitled <u>PRESSURE MEASUREMENT DEVICES, METHODS, AND SYSTEMS</u> for which we have executed an application for Letters Patent of the United States on even date herewith or on ________, or filed an application for Letters Patent of the United States on November 6, 2013 under Application No. 14/115,924 ; and

WHEREAS, <u>NxSTAGE MEDICAL</u>, <u>INC</u>. ("ASSIGNEE"), a citizen of ______ or a corporation or other business entity organized under the laws of Massachusetts, and whose postal address is 350 Merrimack Street, Lawrence, MA 01843, desires to acquire the entire right, title, and interest in the United States in and to the invention, the application, and any Letters Patent of the United States to be granted for the invention;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) paid to me/us by ASSIGNEE, and other good and valuable consideration, the receipt and sufficiency of which I/We acknowledge, I/We, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto ASSIGNEE, its successors, legal representatives, and assigns, the entire right, title, and interest in the United States in and to the invention, the application, all applications claiming benefit of the application, including, but not limited to, all divisions and continuations of the application, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof; and I/We authorize and request the Director of the United States Patent and Trademark Office to issue all Letters Patent for the invention to ASSIGNEE, its successors, legal representatives, and assigns in accordance with the terms of this Assignment;

AND I/We covenant and agree that I/We have the full right to convey the entire right, title, and interest herein assigned and that I/We have not executed and will not execute any assignment or other instrument in conflict with this Assignment;

AND I/We further covenant and agree that upon request by ASSIGNEE, its successors, legal representatives, and/or assigns, and without further consideration, I/We will do all lawful acts that may be necessary or desirable to assist ASSIGNEE, its successors, legal representatives, and/or assigns to obtain and enforce patent protection for the invention in the United States of America, including, but not limited to, communicate with ASSIGNEE, its successors, legal representatives, and/or assigns any facts known to me/us regarding the invention, testify in any legal proceeding, sign all lawful papers, execute and deliver all papers that may be necessary or desirable to perfect the title to the invention in ASSIGNEE, its successors, legal representatives, and/or assigns, execute all divisional, continuation, and reissue applications, and make all rightful oaths, it being understood that any expense incident to the rendering of such assistance will be borne by ASSIGNEE, its successors, legal representatives, and/or assigns.

AND I/WE further hereby authorize ASSIGNEE or its attorneys or agents to insert the correct application number and filing date into this assignment, if none is indicated on that date of my/our execution of this Assignment.

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|------------|---|------------|-----------------------|
| Signature: | Tannes M Kgn | Signature: | 1 PMP |
| Date: 26- | Sep-2013 | Date: | 10/11/13 |
| Full Name: | James M. Brugger | Full Name: | Dennis M. Treu |
| Address: | 4 Savory Street | Address: | 8 Twin Brook Lane |
| | Newburyport, MA 01950 | ****** | Bedford, NH 03110 |
| Signature: | | Signature: | North Menall |
| Date: | | Date: | 9/21/2013 |
| Full Name: | Jeffrey H. Burbank | Full Name: | Scott W. Newell |
| Address: | 18 Sunrise Road | Address: | 6 Farley Avenue |
| | Boxford, MA 01921 | | Ipswich, MA 01938 |
| Signature: | stan ny ana amin'ny soratra amin'ny soratra amin'ny soratra amin'ny soratra amin'ny soratra amin'ny soratra ami | Signature | In Alle |
| Date: | an da an ing mga mga mga mga mga mga mga mga mga mg | Date: | 9/26/2013 |
| Full Name: | William J. Schnell | Full Name: | Kenneth E. Buckler |
| Address: | 1100 Crane Blvd. | Address: | 9A Combination Street |
| | Libertuville II 60048 | | Methuen MA 01844 |

IN WITNESS WHEREOF, I/We have executed this Assignment on the date(s) indicated below.

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Assignment

WHEREAS, <u>NxSTAGE MEDICAL, INC.</u> ("ASSIGNEE"), a citizen of ______ or a corporation or other business entity organized under the laws of Massachusetts, and whose postal address is 350 Merrimack Street, Lawrence, MA 01843, desires to acquire the entire right, title, and interest in the United States in and to the invention, the application, and any Letters Patent of the United States to be granted for the invention;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) paid to me/us by ASSIGNEE, and other good and valuable consideration, the receipt and sufficiency of which I/We acknowledge, I/We, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto ASSIGNEE, its successors, legal representatives, and assigns, the entire right, title, and interest in the United States in and to the invention, the application, all applications claiming benefit of the application, including, but not limited to, all divisions and continuations of the application, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof; and I/We authorize and request the Director of the United States Patent and Trademark Office to issue all Letters Patent for the invention to ASSIGNEE, its successors, legal representatives, and assigns in accordance with the terms of this Assignment;

AND I/We covenant and agree that I/We have the full right to convey the entire right, title, and interest herein assigned and that I/We have not executed and will not execute any assignment or other instrument in conflict with this Assignment;

AND I/We further covenant and agree that upon request by ASSIGNEE, its successors, legal representatives, and/or assigns, and without further consideration, I/We will do all lawful acts that may be necessary or desirable to assist ASSIGNEE, its successors, legal representatives, and/or assigns to obtain and enforce patent protection for the invention in the United States of America, including, but not limited to, communicate with ASSIGNEE, its successors, legal representatives, and/or assigns any facts known to me/us regarding the invention, testify in any legal proceeding, sign all lawful papers, execute and deliver all papers that may be necessary or desirable to perfect the title to the invention in ASSIGNEE, its successors, legal representatives, and/or assigns, execute all divisional, continuation, and reissue applications, and make all rightful oaths, it being understood that any expense incident to the rendering of such assistance will be borne by ASSIGNEE, its successors, legal representatives, and/or assigns.

AND I/WE further hereby authorize ASSIGNEE or its attorneys or agents to insert the correct application number and filing date into this assignment, if none is indicated on that date of my/our execution of this Assignment.

PATENT REEL: 031580 FRAME: 0946

IN WITNESS WHEREOF, I/We have executed this Assignment on the date(s) indicated below.

| Signature: | | Signature: | 1 mittes |
|---------------------------------------|------------------------|------------|-----------------------|
| Bignature. | | | The second second |
| Date: | | Date: | 10 /14/13 |
| Full Name: | James M. Brugger | Full Name: | Dennis M. Treu |
| Address: | 4 Savory Street | Address: | 8 Twin Brook Lane |
| | Newburyport, MA 01950 | | Bedford, NH 03110 |
| | ^ | | |
| Signature: | MMABAL | Signature: | |
| Date: | 9/27/13 | Date: | |
| Full Name: | Jeffrey H. Burbank | Full Name: | Scott W. Newell |
| Address: | 18 Sunrise Road | Address: | 6 Farley Avenue |
| | Boxford, MA 01921 | | Ipswich, MA 01938 |
| · · · · · · · · · · · · · · · · · · · | | | |
| Signature: | | Signature: | |
| Date: | | Date: | |
| Full Name: | William J. Schnell | Full Name: | Kenneth E. Buckler |
| Address: | 1100 Crane Blvd. | Address: | 9A Combination Street |
| | Libertyville, IL 60048 | | Methuen, MA 01844 |

PATENT REEL: 031580 FRAME: 0947

Assignment

WHEREAS, <u>NxSTAGE MEDICAL, INC.</u> ("ASSIGNEE"), a citizen of ______ or a corporation or other business entity organized under the laws of Massachusetts, and whose postal address is 350 Merrimack Street. Lawrence, MA 01843, desires to acquire the entire right, title, and interest in the United States in and to the invention, the application, and any Letters Patent of the United States to be granted for the invention;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) paid to me/us by ASSIGNEE, and other good and valuable consideration, the receipt and sufficiency of which I/We acknowledge, I/We, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto ASSIGNEE, its successors, legal representatives, and assigns, the entire right, title, and interest in the United States in and to the invention, the application, all applications claiming benefit of the application, including, but not limited to, all divisions and continuations of the application, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof; and I/We authorize and request the Director of the United States Patent and Trademark Office to issue all Letters Patent for the invention to ASSIGNEE, its successors, legal representatives, and assigns in accordance with the terms of this Assignment;

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AND I/We further covenant and agree that upon request by ASSIGNEE, its successors. legal representatives, and/or assigns, and without further consideration, I/We will do all lawful acts that may be necessary or desirable to assist ASSIGNEE, its successors, legal representatives, and/or assigns to obtain and enforce patent protection for the invention in the United States of America, including, but not limited to, communicate with ASSIGNEE, its successors, legal representatives, and/or assigns any facts known to me/us regarding the invention, testify in any legal proceeding, sign all lawful papers, execute and deliver all papers that may be necessary or desirable to perfect the title to the invention in ASSIGNEE, its successors, legal representatives, and/or assigns, execute all divisional, continuation, and reissue applications, and make all rightful oaths, it being understood that any expense incident to the rendering of such assistance will be borne by ASSIGNEE, its successors, legal representatives, and/or assigns.

AND I/WE further hereby authorize ASSIGNEE or its attorneys or agents to insert the correct application number and filing date into this assignment, if none is indicated on that date of my/our execution of this Assignment.

PATENT REEL: 031580 FRAME: 0948

IN WITNESS WHEREOF, I/We have executed this Assignment on the date(s) indicated below.

| Signature: | | Signature: | an a |
|--|-------------------------|------------|--|
| Date: | | Date: | |
| Full Name: | Name: James M. Brugger | | Dennis M. Treu |
| Address: | 4 Savory Street | Address: | 8 Twin Brook Lane |
| | Newburyport, MA 01950 | | Bedford, NH 03110 |
| | | | |
| Signature: | | Signature: | an a |
| Date: | | Date: | |
| Full Name: | Jeffrey H. Burbank | Full Name: | Scott W. Newell |
| Address: | 18 Sunrise Road | Address: | 6 Farley Avenue |
| | Boxford, MA 01921 | | Ipswich, MA 01938 |
| Signature | thin John M | Signature: | an |
| Date: 10 | 18/13 | Date: | |
| Full Name: | V William J. Schnell | Full Name: | Kenneth E. Buckler |
| Address: | 1100 Crane Blvd. | Address: | 9A Combination Street |
| . Verification and the second se | Libertyville, IL 60048 | | Methuen, MA 01844 |

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