

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5205954

|                                                                                                                                                                                                 |                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT               |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                   |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                              |
| <b>Name</b>                                                                                                                                                                                     | <b>Execution Date</b>        |
| JEFFREY H. NYCZ                                                                                                                                                                                 | 02/16/2006                   |
| FRED J. MOLZ IV                                                                                                                                                                                 | 02/13/2006                   |
| STEVEN TETHRAKE                                                                                                                                                                                 | 02/15/2006                   |
| STANLEY WARREN OLSON JR.                                                                                                                                                                        | 02/17/2006                   |
| WILLIAM T. DONOFRIO                                                                                                                                                                             | 02/16/2006                   |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                              |
| <b>Name:</b>                                                                                                                                                                                    | SDGI HOLDINGS, INC.          |
| <b>Street Address:</b>                                                                                                                                                                          | 300 DELAWARE AVENUE          |
| <b>Internal Address:</b>                                                                                                                                                                        | SUITE 508                    |
| <b>City:</b>                                                                                                                                                                                    | WILMINGTON                   |
| <b>State/Country:</b>                                                                                                                                                                           | DELAWARE                     |
| <b>Postal Code:</b>                                                                                                                                                                             | 19801                        |
| <b>PROPERTY NUMBERS Total: 2</b>                                                                                                                                                                |                              |
| <b>Property Type</b>                                                                                                                                                                            | <b>Number</b>                |
| Application Number:                                                                                                                                                                             | 16170503                     |
| Application Number:                                                                                                                                                                             | 14955985                     |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                              |
| <b>Fax Number:</b>                                                                                                                                                                              |                              |
| <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>                                                                                                                                                                                   | 763 505-5000                 |
| <b>Email:</b>                                                                                                                                                                                   | rs.patents.two@medtronic.com |
| <b>Correspondent Name:</b>                                                                                                                                                                      | MEDTRONIC, INC. (SPINAL)     |
| <b>Address Line 1:</b>                                                                                                                                                                          | 710 MEDTRONIC PARKWAY        |
| <b>Address Line 4:</b>                                                                                                                                                                          | MINNEAPOLIS, MINNESOTA 55432 |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | P22320.S01DIV (102.44-02)    |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | THOMAS H. MARTIN             |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /THOMAS H. MARTIN/           |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 10/25/2018                   |

**Total Attachments: 4**

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## ASSIGNMENT

WHEREAS, WE,

- (1) Jeffrey H. Nycz of Collierville, TN, USA
- (2) Fred J. Molz, IV of Birmingham, AL USA
- (3) Steven Tethrake of Collierville, TN, USA
- (4) Stanley Warren Olson, Jr. of Germantown, TN, USA
- (5) William T. Donofrio of Andover, MN, USA

have invented certain improvements in

### SURGICAL INSTRUMENT TO ASSESS TISSUE CHARACTERISTICS

for which we have executed an application for Letters Patent of the United States of America,

  X   of even date herewith; and

                     filed on                      and assigned application number                     ; and

WHEREAS, We hereby authorize and request the attorneys of Assignee, Haynes and Boone, LLP, of 901 Main Street, Suite 3100, Dallas, Texas 75202, to insert the filing date and application number of said application when known; and

WHEREAS, SDGI Holdings, Inc. (Assignee), a corporation organized and existing under the laws of the State of Delaware, having its principal office and place of business in the City of Wilmington, State of Delaware, is desirous of obtaining the entire right, title, and interest in, to and under the said invention and the said application in the United States of America and in any and all countries foreign thereto;

NOW, THEREFORE, for One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and other good and valuable consideration, we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said Assignee, its successors, legal representatives, and assigns, the entire right, title, and interest in, to and under the said invention, and the said application, and all divisional, renewal, substitutional, and continuing applications thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for said invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and all prior patents and patent applications from which a filing priority of the above-described patent application may be obtained, including the right to collect past damages; and we hereby authorize and request the Commissioner of Patents of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to the said Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to said Assignee, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, renewal, substitutional, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid the said Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

Inventor Name and Residence Address:

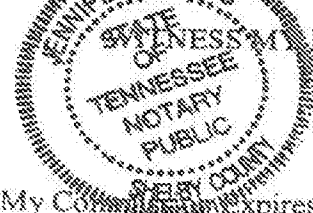
Jeffrey H. Nycz, 640 Ridge Peaks Dr., Collierville, TN 38017-8511

Dated: February 16, 2006

Jeffrey H. Nycz  
Jeffrey H. Nycz (Inventor Signature)

STATE OF Tennessee  
COUNTY OF Shelby

On this the 16 day of February, 2006, before me personally appeared Jeffrey H. Nycz, to me known (or proved to me on the basis of satisfactory evidence) to be the person described in and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed.



WITNESS MY HAND and Seal at office this the 16 day of February, 2006.

Jennifer M. Hand  
Notary Public

My Commission Expires: MY COMMISSION EXPIRES:  
May 27, 2009

Inventor Name and Residence Address:

Fred J. Molz, IV, 5612 Afton Drive, Birmingham, AL 35242

Dated: 2/13/06

Fred J. Molz, IV  
Fred J. Molz, IV (Inventor Signature)

STATE OF Alabama  
COUNTY OF Jefferson

On this the 13 day of February, 2006, before me personally appeared Fred J. Molz, IV, to me known (or proved to me on the basis of satisfactory evidence) to be the person described in and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed.

WITNESS MY HAND and Seal at office this the 13<sup>th</sup> day of February, 2006.

David D. Davis  
Notary Public

My Commission Expires: Oct. 25, 2006

Inventor Name and Residence Address:

Steven Tethrake, 1520 Beckenhall Cv., Collierville, TN 38017

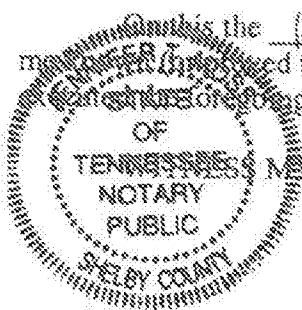
Dated: 2-15-06

Steven Tethrake  
Steven Tethrake (Inventor Signature)

STATE OF Tennessee

COUNTY OF Shelby

On this the 15 day of February, 2006, before me personally appeared Steven Tethrake, to me known (or proved to me on the basis of satisfactory evidence) to be the person described in and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed.



WITNESS MY HAND and Seal at office this the 15 day of February, 2006.

MY COMMISSION EXPIRES: May 27, 2009

My Commission Expires: \_\_\_\_\_

Inventor Name and Residence Address:

Stanley Warren Olson, Jr., 2095 Exeter Road, Suite 80-349, Germantown, TN 38138

Dated: FEBRUARY 17, 2006

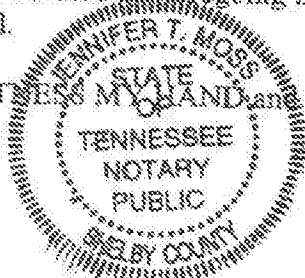
Stanley Warren Olson, Jr.  
Stanley Warren Olson, Jr. (Inventor Signature)

STATE OF Tennessee

COUNTY OF Shelby

On this the 17 day of February, 2006, before me personally appeared Stanley Warren Olson, Jr., to me known (or proved to me on the basis of satisfactory evidence) to be the person described in and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed.

WITNESS MY HAND and Seal at office this the 17 day of February, 2006.



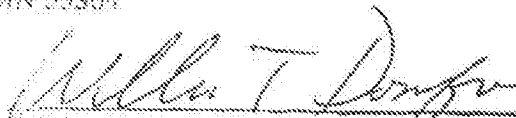
Jennifer T. Moss  
Notary Public

My Commission Expires: MY COMMISSION EXPIRES: May 27, 2009

Inventor Name and Residence Address  
William T. Donofrio, 15608 Avoca Ct, NW, Andover, MN 55304

Dated:

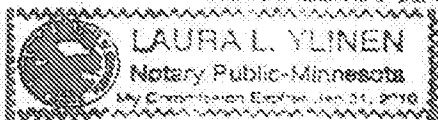
2-16-06

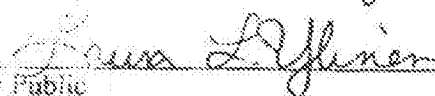
  
William T. Donofrio (Inventor Signature)

STATE OF Minnesota  
COUNTY OF Anoka

On this the 16<sup>th</sup> day of February, 2006, before me personally appeared William T. Donofrio, to me known (or proved to me on the basis of satisfactory evidence) to be the person described in and who executed the foregoing instrument, and acknowledged that he executed the same as his free and lawful act.

WITNESS MY HAND and Seal at office this the 16<sup>th</sup> day of February, 2006.



  
Notary Public

My Commission Expires: Jan 31, 2010