PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| SUBMISSION TYPE | : | NEW ASSIGNMENT | | |
|---|---------------------|--|-----------------------|--|
| IATURE OF CONVEYANCE: ASSIGNMENT | | | | |
| CONVEYING PART | Y DATA | | | |
| | | Name | Execution Date | |
| Luke Waaler | | | 12/19/2011 | |
| Duane E. Kerr | | | 12/19/2011 | |
| Diana Gunnarson | | | 01/23/2012 | |
| Robert B. Stoddard | | | 12/20/2011 | |
| Steven E. Butcher | | | 12/19/2011 | |
| William E. Robinsor | 1 | | 01/05/2012 | |
| Cody C. Taylor | | | 12/19/2011 | |
| Sean T. O'Neill | | | 01/20/2012 | |
| | | | | |
| Street Address: | 15 Hampshir | care Group LP e Street | | |
| City: | Mansfield | | | |
| State/Country: | MASSACHU | SETTS | | |
| Postal Code: | 02048 | | | |
| PROPERTY NUMBE | ERS Total: 1 | | | |
| Property | Туре | Num | nber | |
| Application Number | : | 13358049 | | |
| CORRESPONDENC | E DATA | | | |
| Fax Number: | (303)58 | 1_6632 | | |
| -ax Number: Phone: | 303-530 | | | |
| Email: | | gal@covidien.com | | |
| | l be sent to the e | e-mail address first; if that is unsuccess | sful, it will be sent | |
| via US Mail. | | TYCO Healthcare Group LP Attn: IP Legal | | |
| | ie: TYCO H | icalificare Oroup El Attri. Il Eogal | | |
| <i>via US Mail.</i> Correspondent Nam Address Line 1: | 5920 Lo | ngbow Drive | | |
| Correspondent Nam | 5920 Lo Mail Sto | ngbow Drive | | |

| ATTORNEY DOCKET NUMBER: | H-EB-00092 (203-7678) |
|---|-----------------------|
| NAME OF SUBMITTER: | Thomas A. Beaton |
| Total Attachments: 21 source=FinalAssignment#page1.tif | |
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| source=FinalAssignment#page21.tif | |

Attorney Docket No. H-EB-00092 (203-7678) PATENT

For: [X] U.S. and/or [X] Foreign Rights

For: [X] U.S. Application or [] U.S. Patent

By : [X] Inventor(s) or [] Present Owner

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNORS of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, **ASSIGNORS:**

> Luke Waaler Duane E. Kerr Diana Gunnarson **Robert B. Stoddard** Sean T. O'Neill Steven E. Butcher William E. Robinson Cody C. Taylor

| (If assignment is by | person or entity | to whom | invention w | vas previously | assigned a | and this |
|---------------------------------------|------------------|---------|-------------|----------------|------------|----------|
| was recorded in PTO add the following | ng) | | | | | |

| Recorded on: | |
|--------------|--|
| Reel | |
| Frame | |

hereby sells, assigns and transfers to

ASSIGNEE:

TYCO Healthcare Group LP (Type or print name of ASSIGNEE) Address 15 Hampshire Street Mansfield, MA 02048 U.S.A.

Nationality

and the successors, assigns and legal representatives of the ASSIGNEE

[X] the entire right, title and interest

[] an undivided ______ percent (____%) interest for the United States and its territorial possessions

[X] and in all foreign countries, including all rights to claim priority, the right to sue for present, past and future infringement, in the United States, its territorial possessions, and in all foreign countries, including all treaty and convention rights in and to the invention and any and all improvements entitled:

PORTABLE SURGICAL INSTRUMENT

(title of invention)

and which is found in

| (a) | [X] | U.S. patent application executed on even date herewith. |
|-----|-----|---|
| (b) | [] | U.S. patent application executed on |
| | | |

U.S. application Serial No._____filed on _____. U.S. provisional application No. _____ [] [] (C)

(d)

Page 1 of 7

| | | filed on | <u>.</u> | |
|-----|----|---------------------|----------|--|
| (e) | [] | U.S. Patent No. | issued | |
| (f) | [] | PCT application No. | | |

- 11 filed on
- A change of address to which correspondence is to be sent [] regarding patent maintenance fees is being sent separately.
- and any legal equivalent thereof in a foreign country, including the right to claim priority (g) [X] and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, continuation-in-part, divisional, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof

ASSIGNORS hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNORS hereby authorizes and requests the Commissioner of Patents and Trademarks to issue all such Letters Patent to ASSIGNEE:

ASSIGNORS further covenants to promptly provide all pertinent facts and documents known and accessible to ASSIGNORS relating to said invention and said Letters Patent and legal equivalents; to testify as to the same in any interference, litigation or proceeding related thereto; to execute and deliver any and all papers that may be necessary or desirable to perfect the title to said invention or any Letters Patents which may be granted therefor in said ASSIGNEE, its successors, assigns or other legal representatives; to execute any additional or divisional applications for patents for said invention, or any part or parts thereof, and for the reissue of any Letters Patents to be granted therefor; and to make all rightful oaths and do all lawful acts requisite for procuring the same or for aiding therein, all without further compensation, but at the sole expense of ASSIGNEE, its successors, assigns, or other legal representatives.

ASSIGNORS hereby grants ASSIGNEE and Assignee's attorneys the power to insert the Serial No. and/or filing date of the above-described application(s) after such information becomes known to them.

IN WITNESS WHEREOF, I/We have hereunto set hand and seal.

WARNING: Date of signing must be the **same as** the date of execution of the application if item (a) was checked above.

Luke Waaler 0 Duane E. Kerr

Diana Gunnarson

Robert B. Stoddard

Dated <u>|z||9|||</u> ited 1/23/12

Dated

Sean T. O'Neill

Page 2 of 7

3 Steven E. Butcher

William E. Robinson

Cody C. Taylor

Dated

<u>3/11</u> 1<u>2012</u> Dated

[X] Notarization or Legalization Page Added.

Page 3 of 7

| State of Colorad | do |) | | |
|------------------|------------------|---|----------|-------|
| County of Bould | ler |) | SS | |
| | Before me this _ | | _ day of | 2011, |

personally appeared **Luke Waaler** to me personally known to be the person described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his own free will for the purposes therein set forth.

Notary Public

AFFIX SEAL

| State of Colorado |) | | |
|-------------------|---------------------|----------|------|
| County of Boulder |) ss) | | |
| Before me this | _ <u>/</u> 9 day of | December | 2011 |

personally appeared **Duane E. Kerr** to me personally known to be the person described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his own free will for the purposes therein set forth.

Mary Jo milacele Notary Public

AFFIX SEAL



State of Colorado)) ss County of Boulder) Before me this <u>23</u> day of <u>January</u> 2011,

personally appeared **Diana Gunnarson** to me personally known to be the person described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his own free will for the purposes therein set forth.

Mary Jo Milarch Notary Public

AFFIX SEAL



My Commission Expires 02/28/2015

personally appeared **Robert B. Stoddard** to me personally known to be the person described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his own free will for the purposes therein set forth.



Mary Jo Milack Notary Public

AFFIX SEAL

Page 5 of 7

State of Colorado SS County of Boulder Before me this ____ day of _____ 2011,

personally appeared Sean T. O'Neill to me personally known to be the person described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his own free will for the purposes therein set forth.

Notary Public

AFFIX SEAL

State of Colorado

SS

County of Boulder

Before me this <u>19</u> day of <u>December</u> 2011,

personally appeared Steven E. Butcher to me personally known to be the person described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his own free will for the purposes therein set forth.

AFFIX SEAL



Mary o milasek

Page 6 of 7

State of Colorado

County of Boulder

Before me this 5 day of 2011, 2011,

SS

personally appeared **William E. Robinson** to me personally known to be the person described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his own free will for the purposes therein set forth.



Mary Jo Milarch Notary Public

AFFIX SEAL

my commission expires 02/20/2013

State of Colorado)) ss County of Boulder)

Before me this <u>19</u> day of <u>December</u> 2011.

personally appeared **Cody C. Taylor** to me personally known to be the person described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his own free will for the purposes therein set forth.

AFFIX SEAL



Page 7 of 7

PATENT REEL: 027593 FRAME: 0132

Mary Jo Milarek

Attorney Docket No. H-EB-00092 (203-7678) PATENT

For: [X] U.S. and/or [X] Foreign Rights For: [X] U.S. Application or [] U.S. Patent By ; [X] Inventor(s) or [] Present Owner

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNORS of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNORS:

Luke Waaler Duane E. Kerr Diana Gunnarson Robert B. Stoddard Sean T. O'Neill Steven E. Butcher William E. Robinson Cody C. Taylor

| (If assignment is by person or entity | to whom invention was previously assigned and this |
|--|--|
| was recorded in PTO add the following) | |

| Recorded or | |
|-------------|--|
| Reel | |
| Frame | |
| | |

hereby sells, assigns and transfers to

ASSIGNEE:

| TYCO Healthcare Group LP |
|----------------------------------|
| (Type or print name of ASSIGNEE) |
| Address |
| 15 Hampshire Street |
| Mansfield, MA 02048 |
| U.S.A. |
| Nationality |

and the successors, assigns and legal representatives of the ASSIGNEE

[X] the entire right, title and interest

[] an undivided ______ percent (_____%) interest for the United States and its territorial possessions

[X] and in all foreign countries, including all rights to claim priority, the right to sue for present, past and future infringement, in the United States, its territorial possessions, and in all foreign countries, including all treaty and convention rights in and to the invention and any and all improvements entitled:

PORTABLE SURGICAL INSTRUMENT

(title of invention)

| and | which i | is found in | |
|-----|---------|---|----------|
| (a) | [X] | U.S. patent application executed on even date herewith. | |
| (b) | ĪĪ | U.S. patent application executed on | ! |
| (c) | [] | U.S. application Serial Nofiled on | |
| (d) | [] | U.S. provisional application No. | |
| ••• | | | |

Page 1 of 7

| | | filed on |
|-----|-----|---|
| (e) | [] | U.S. Patent No Issued |
| (f) | Ū | PCT application No. |
| •• | •• | filed on |
| | [] | A change of address to which correspondence is to be sent |
| | | regarding patent maintenance fees is being sent |
| | | separately. |
| (g) | [X] | and any legal equivalent thereof in a foreign country, including the right to claim priority |
| | | and, in and to, all Letters Patent to be obtained for said invention by the above application |
| | | or any continuation, continuation-in-part, divisional, renewal, or substitute thereof, and as |
| | | to letters patent any reissue or re-examination thereof |

ASSIGNORS hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNORS hereby authorizes and requests the Commissioner of Patents and Trademarks to issue all such Letters Patent to ASSIGNEE:

ASSIGNORS further covenants to promptly provide all pertinent facts and documents known and accessible to ASSIGNORS relating to said invention and said Letters Patent and legal equivalents; to testify as to the same in any interference, litigation or proceeding related thereto; to execute and deliver any and all papers that may be necessary or desirable to perfect the title to said invention or any Letters Patents which may be granted therefor in said ASSIGNEE, its successors, assigns or other legal representatives; to execute any additional or divisional applications for patents for said invention, or any part or parts thereof, and for the reissue of any Letters Patents to be granted therefor; and to make all rightful oaths and do all lawful acts requisite for procuring the same or for alding therein, all without further compensation, but at the sole expense of ASSIGNEE, its successors, assigns, or other legal representatives.

ASSIGNORS hereby grants ASSIGNEE and Assignee's attorneys the power to insert the Serial No. and/or filing date of the above-described application(s) after such information becomes known to them.

IN WITNESS WHEREOF, I/We have hereunto set hand and seal.

WARNING: Date of signing must be the same as the date of execution of the application if item (a) was checked above.

Luke Waaler

Duane E, Kerr

Dated

Diana Gunnarson

Rober Stoddard

Dated

Dated

Dated

Page 2 of 7

Steven E. Butcher

Dated

William E. Robinson

Cody C. Taylor

Dated

Dated

[X] Notarization or Legalization Page Added.

Page 3 of 7

| State of Colorado |) | |
|-------------------|--------|-------|
| |) SS | |
| County of Boulder |) | |
| | | |
| Before me this _ | day of | 2011, |

personally appeared **Luke Waaler** to me personally known to be the person described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his own free will for the purposes therein set forth.

Notary Public

AFFIX SEAL

| State of Colorado |) | |
|-------------------|-----------|-------|
| |) ss | |
| County of Boulder |) | |
| Before me th | is day of | 2011, |

personally appeared **Duane E. Kerr** to me personally known to be the person described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his own free will for the purposes therein set forth.

Notary Public

AFFIX SEAL

| State of Colorado |)) SS | |
|-------------------|----------------|-------|
| County of Boulder |) | |
| Before n | ne this day of | 2011, |

personally appeared **Diana Gunnarson** to me personally known to be the person described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his own free will for the purposes therein set forth.

Notary Public

AFFIX SEAL

| State of Colorado |) | SS | |
|-------------------|---|----------|-------|
| County of Boulder |) | 35 | |
| Before me this | | _ day of | 2011, |

personally appeared **Robert B. Stoddard** to me personally known to be the person described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his own free will for the purposes therein set forth.

Notary Public

AFFIX SEAL

Page 5 of 7

State of Colorado ÇA **S**\$ County of Boulder SANTA CLARA

Before me this 20 day of JAJUARY 2011,

personally appeared Sean T. O'Neill to me personally known to be the person described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his own free will for the purposes therein set forth.

Notary Public

AFFIX SEAL



| State of Colorado |) | |
|-------------------|-------------|------|
| County of Boulder |) \$\$) | |
| Before me this | day of | 2011 |

personally appeared Steven E. Butcher to me personally known to be the person described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his own free will for the purposes therein set forth.

Notary Public

AFFIX SEAL

Page 6 of 7

| State of Colorad | lo |) | ~~ | |
|------------------|----------------|---|----------|-------|
| County of Bould | er |) | SS | |
| | Before me this | | _ day of | 2011, |

personally appeared **William E. Robinson** to me personally known to be the person described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his own free will for the purposes therein set forth.

| Notary | Public |
|--------|--------|
|--------|--------|

AFFIX SEAL

| County of Boulder |) ss | |
|-------------------|-------------|-------|
| Before me this | , day of | 2011, |

personally appeared **Cody C. Taylor** to me personally known to be the person described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his own free will for the purposes therein set forth.

Notary Public

AFFIX SEAL

Attorney Docket No. H-EB-00092 (203-7678) PATENT

For: [X] U.S. and/or [X] Foreign Rights For: [X] U.S. Application or [] U.S. Patent

By : [X] Inventor(s) or [] Present Owner

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNORS of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNORS:

> Luke Waaler Duane E. Kerr **Diana Gunnarson** Robert B. Stoddard Sean T. O'Neill Steven E. Butcher William E. Robinson Cody C. Taylor

(If assignment is by person or entity to whom invention was previously assigned and this was recorded in PTO add the following)

| Recorded on: | |
|--------------|------|
| Reel | |
| Frame | |

hereby sells, assigns and transfers to

ASSIGNEE:

TYCO Healthcare Group LP (Type or print name of ASSIGNEE) Address 15 Hampshire Street Mansfield, MA 02048 U.S.A.

Nationality

and the successors, assigns and legal representatives of the ASSIGNEE

[X] the entire right, title and interest

[] an undivided ______ percent (____%) interest for the United States and its territorial possessions

[X] and in all foreign countries, including all rights to claim priority, the right to sue for present, past and future infringement, in the United States, its territorial possessions, and in all foreign countries, including all treaty and convention rights in and to the invention and any and all improvements entitled:

PORTABLE SURGICAL INSTRUMENT

(title of invention)

and which is found in

- U.S. patent application executed on even date herewith. (a) [X]
- (b) []
- U.S. patent application executed on ______. U.S. application Serial No.______filed on _____. U.S. provisional application No. _____ (C) []
- (d) []

Page 1 of 7

| | | filed on |
|-----|-----|---|
| (e) | [] | U.S. Patent No issued |
| (f) | [] | PCT application No. |
| ., | •• | filed on |
| | [] | A change of address to which correspondence is to be sent |
| | | regarding patent maintenance fees is being sent separately. |
| (g) | [X] | and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, continuation-in-part, divisional, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof |

ASSIGNORS hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNORS hereby authorizes and requests the Commissioner of Patents and Trademarks to issue all such Letters Patent to ASSIGNEE:

ASSIGNORS further covenants to promptly provide all pertinent facts and documents known and accessible to ASSIGNORS relating to said invention and said Letters Patent and legal equivalents; to testify as to the same in any interference, litigation or proceeding related thereto; to execute and deliver any and all papers that may be necessary or desirable to perfect the title to said invention or any Letters Patents which may be granted therefor in said ASSIGNEE, its successors, assigns or other legal representatives; to execute any additional or divisional applications for patents for said invention, or any part or parts thereof, and for the reissue of any Letters Patents to be granted therefor; and to make all rightful oaths and do all lawful acts requisite for procuring the same or for aiding therein, all without further compensation, but at the sole expense of ASSIGNEE, its successors, assigns, or other legal representatives.

ASSIGNORS hereby grants ASSIGNEE and Assignee's attorneys the power to insert the Serial No. and/or filing date of the above-described application(s) after such information becomes known to them.

IN WITNESS WHEREOF, I/We have hereunto set hand and seal.

WARNING: Date of signing must be the same as the date of execution of the application if item (a) was checked above.

Juno Luke Waaler

Duane E. Kerr

Diana Gunnarson

Robert B. Stoddard

12/19/2011 Dated

Dated

Dated

Dated

Sean T. O'Neill

Dated

Page 2 of 7

Steven E. Butcher

William E. Robinson

Cody C. Taylor

Dated

Dated

Dated

[X] Notarization or Legalization Page Added.

Page 3 of 7

State of Colorado) State of Colorado) Ss County of Boulder) Before me this <u>19</u> day of <u>December</u> 2011,

personally appeared Luke Waaler to me personally known to be the person described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his own free will for the purposes therein set forth.

| KATHERINE F. JONES |
|---|
| NOTARY PUBLIC |
| STATE OF COLORADO |
| AFFIX SEALMY COMMISSION EXPIRES 4/12/2014 |

Notary Public

State of Colorado) State of Colorado () State of Colorado) State of Colorado () State of

personally appeared **Duane E. Kerr** to me personally known to be the person described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his own free will for the purposes therein set forth.

Notary Public

AFFIX SEAL

Page 4 of 7

| State of Colorado |) | |
|-------------------|---------------|-------|
| County of Boulder |) ss | |
| County of Boulder |) | |
| Before me | e this day of | 2011, |

personally appeared **Diana Gunnarson** to me personally known to be the person described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his own free will for the purposes therein set forth.

Notary Public

AFFIX SEAL

| State of Colorado |) | |
|-------------------|----------------|-------|
| County of Boulder |) SS) | |
| Before n | ne this day of | 2011, |

personally appeared **Robert B. Stoddard** to me personally known to be the person described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his own free will for the purposes therein set forth.

Notary Public

AFFIX SEAL

| State of Colorado |) | | |
|-------------------|-----------|----------|-----------|
| County of Boulder |) SS) | | |
| Before me this | | day of _ | 2011, |

personally appeared **Sean T. O'Neill** to me personally known to be the person described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his own free will for the purposes therein set forth.

Notary Public

AFFIX SEAL

| State of Colorado |) | |
|-------------------|-----------|-------|
| County of Boulder |) ss) | |
| Before me this | day of | 2011, |

personally appeared **Steven E. Butcher** to me personally known to be the person described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his own free will for the purposes therein set forth.

Notary Public

AFFIX SEAL

Page 6 of 7

| State of Colorado |)) SS | |
|-------------------|-----------|-------|
| County of Boulder |) | |
| Before me this | day of | 2011, |

personally appeared **William E. Robinson** to me personally known to be the person described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his own free will for the purposes therein set forth.

Notary Public

AFFIX SEAL

| State of Colorado |) | |
|-------------------|-----------|-------|
| County of Boulder |) SS) | |
| Before me this | day of | 2011, |

personally appeared **Cody C. Taylor** to me personally known to be the person described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his own free will for the purposes therein set forth.

Notary Public

AFFIX SEAL

Page 7 of 7

PATENT REEL: 027593 FRAME: 0146

RECORDED: 01/25/2012