503019656 10/15/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3066257

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| REBECCA L. CHANEY | 05/15/2014 |
| CRAIG S. TSUKAYAMA | 05/15/2014 |
| JANELLE M. LUBENSKY | 03/27/2014 |
| DUNCAN G. YOUNG | 03/11/2014 |
| JONATHAN C. LEE | 03/27/2014 |
| JEFFREY M. WALCUTT | 03/27/2014 |
| FRANCISCO A. AMARAL | 03/07/2014 |
| CARL F. LIVORSI | 03/07/2014 |
| PETER F. JAMES | 03/11/2014 |

RECEIVING PARTY DATA

| Name: | DEPUY SYNTHES PRODUCTS, LLC |
|-----------------|-----------------------------|
| Street Address: | 325 PARAMOUNT DRIVE |
| City: | RAYNHAM |
| State/Country: | MASSACHUSETTS |
| Postal Code: | 02767 |

PROPERTY NUMBERS Total: 1

| Property Type | Number | |
|---------------------|----------|--|
| Application Number: | 13834374 | |

CORRESPONDENCE DATA

Fax Number:

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.

Email: adonaldson@btlaw.com

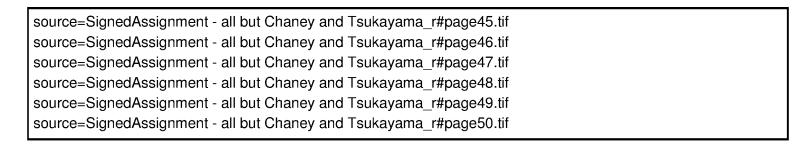
Correspondent Name: BARNES & THORNBURG LLP Address Line 1: 11 S. MERIDIAN STREET

Address Line 4: INDIANAPOLIS, INDIANA 46204

| ATTORNEY DOCKET NUMBER: | 265280-223292 | |
|-------------------------|-----------------------|--------|
| NAME OF SUBMITTER: | JEFFREY T.G. KELSEY | |
| SIGNATURE: | /Jeffrey T.G. Kelsey/ | |
| DATE SIGNED: | 10/15/2014 | DATENT |

503019656 REEL: 033954 FRAME: 0626

Total Attachments: 53 source=conf Assignment_Chaney_Tsukayama#page1.tif source=conf Assignment Chaney Tsukayama#page2.tif source=conf Assignment Chaney Tsukayama#page3.tif source=SignedAssignment - all but Chaney and Tsukayama r#page1.tif source=SignedAssignment - all but Chaney and Tsukayama r#page2.tif source=SignedAssignment - all but Chaney and Tsukayama r#page3.tif source=SignedAssignment - all but Chaney and Tsukayama r#page4.tif source=SignedAssignment - all but Chaney and Tsukayama r#page5.tif source=SignedAssignment - all but Chaney and Tsukayama r#page6.tif source=SignedAssignment - all but Chaney and Tsukayama r#page7.tif source=SignedAssignment - all but Chaney and Tsukayama r#page8.tif source=SignedAssignment - all but Chaney and Tsukayama r#page9.tif source=SignedAssignment - all but Chaney and Tsukayama r#page10.tif source=SignedAssignment - all but Chaney and Tsukayama r#page11.tif source=SignedAssignment - all but Chaney and Tsukayama_r#page12.tif source=SignedAssignment - all but Chaney and Tsukayama_r#page13.tif source=SignedAssignment - all but Chaney and Tsukayama r#page14.tif source=SignedAssignment - all but Chaney and Tsukayama r#page15.tif source=SignedAssignment - all but Chaney and Tsukayama r#page16.tif source=SignedAssignment - all but Chaney and Tsukayama r#page17.tif source=SignedAssignment - all but Chaney and Tsukayama r#page18.tif source=SignedAssignment - all but Chaney and Tsukayama r#page19.tif source=SignedAssignment - all but Chaney and Tsukayama r#page20.tif source=SignedAssignment - all but Chaney and Tsukayama r#page21.tif source=SignedAssignment - all but Chaney and Tsukayama r#page22.tif source=SignedAssignment - all but Chaney and Tsukayama r#page23.tif source=SignedAssignment - all but Chaney and Tsukayama r#page24.tif source=SignedAssignment - all but Chaney and Tsukayama r#page25.tif source=SignedAssignment - all but Chaney and Tsukayama r#page26.tif source=SignedAssignment - all but Chaney and Tsukayama r#page27.tif source=SignedAssignment - all but Chaney and Tsukayama r#page28.tif source=SignedAssignment - all but Chaney and Tsukayama r#page29.tif source=SignedAssignment - all but Chaney and Tsukayama r#page30.tif source=SignedAssignment - all but Chaney and Tsukayama r#page31.tif source=SignedAssignment - all but Chaney and Tsukayama r#page32.tif source=SignedAssignment - all but Chaney and Tsukayama_r#page33.tif source=SignedAssignment - all but Chaney and Tsukayama_r#page34.tif source=SignedAssignment - all but Chaney and Tsukayama r#page35.tif source=SignedAssignment - all but Chaney and Tsukayama r#page36.tif source=SignedAssignment - all but Chaney and Tsukayama_r#page37.tif source=SignedAssignment - all but Chaney and Tsukayama r#page38.tif source=SignedAssignment - all but Chaney and Tsukayama r#page39.tif source=SignedAssignment - all but Chaney and Tsukayama r#page40.tif source=SignedAssignment - all but Chaney and Tsukayama_r#page41.tif source=SignedAssignment - all but Chaney and Tsukayama r#page42.tif source=SignedAssignment - all but Chaney and Tsukayama r#page43.tif source=SignedAssignment - all but Chaney and Tsukayama r#page44.tif



| Attorney Docket No.: _ | 265280-223292 | |
|------------------------|---------------|--|
| Client Reference No.: | DEP6641USNP | |

ASSIGNMENT

WHEREAS, the undersigned, Rebecca L. Chaney and Craig S. Tsukayama, are the makers of an invention that is the subject of an application for Letters Patent of the United States ("Application") identified as U.S. Patent Application Serial No. 13/834,374, filed March 15, 2013, entitled "FEMORAL SURGICAL INSTRUMENT AND METHOD OF USING SAME;"

WHEREAS the undersigned sold, assigned, set over, to DePuy Synthes Products, LLC, 325 Paramount Drive, Raynham, MA 02767-0350, a corporation of the state of DELAWARE ("DePuy Synthes Products LLC"), their entire right, title, and interest in, to, and under the Application in an assignment dated February 4, 2014 ("Original Assignment");

WHEREAS the Original Assignment included a typographical error that did not affect the transfer of ownership rights; and

WHEREAS the undersigned wish to memorialize and confirm the assignment of their entire right, title, and interest in, to, and under the Application;

NOW THEREFORE, for good an valuable consideration, the sufficiency of which is hereby acknowledged:

The undersigned hereby confirm and agree that they have assigned DePuy Synthes Products, LLC the entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries, including Canada, which may be granted for such inventions, or any of them, all such inventions and all rights in such Application and Letters Patent to be held and enjoyed by DePuy Synthes Products, LLC for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by them had this assignment and sale not been made.

The undersigned confirm their agreement to execute all papers necessary in connection with the application(s) in the United States and foreign countries and any continuing, divisional, or reissue applications thereof, and any reexamination of any of such applications, and also to execute separate assignments in connection with such applications as the DePuy Synthes Products, LLC may deem necessary or expedient.

The undersigned confirm their agreement to execute all papers necessary in connection with any interference which may be declared or litigation concerning the application(s) or continuation, division, reissue, or reexamination thereof, and to cooperate with the DePuy Synthes Products, LLC in every way possible in obtaining evidence and going forward with such interference or litigation.

The undersigned confirm their agreement to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned confirm their agreement to do all other acts which, in the opinion of DePuy Synthes Products, LLC, may be necessary or desirable to secure the grant of Letters Patent to DePuy Synthes Products, LLC or its nominees, in the United States and in all other countries where DePuy Synthes Products, LLC may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be approved by DePuy Synthes Products, LLC and to vest and confirm in DePuy Synthes Products, LLC or its nominees the full and complete legal and equitable title to all such Letters Patent.

The undersigned confirm their authorization and request that the Commissioner of Patents issue any and all Letters Patent of the United States resulting from the application(s) or any division or divisions or continuing or reissue applications thereof, and any reexamination of any of such applications, to DePuy Synthes Products, LLC, as assignee of the entire interest, and hereby covenants that the undersigned has full right to convey the interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

| | Λ |
|---|--|
| IN WITNESS WHEREOF, I have executed this ASSIGNMENT TO BUSINESS CONCERN | s assignment at <u>Warsaw Indiana</u> |
| | |
| this 1545 day of May (m | (city, state) , |
| (day) (m | nonth) (year) |
| | Relecca L Chancey Inventor (Signature) |
| | Rebecca L. Chaney Inventor (Printed Name) |
| | mionor (crimes runne) |
| | |
| | CKNOWLEDGMENT |
| state of Indiana } ss: | |
| this Acknowledged before me, a Notary Public, with | hin and for said County and State. Witness my hand and Notarial Seal |
| | nancy Williams |
| | Notary Public |
| | Nancy Williams |
| | Notary Public State of Indiana Kosciusko County My Commission Exp. June 21, 2016 |
| My Commission Expires: | Resident of County |

Attorney Docket No.: 265280-223292
Client Reference No.: DEP6641USNP

| | Attorney Docket No.: <u>265280-223292</u> |
|--|--|
| | Client Reference No.: DEP6641USNP |
| | Pero an a De dicens |
| IN WITNESS WHEREOF, I have executed this assignment at _ | www.mauna |
| 1/2/1// / / / / / / / / | (city, state) |
| this 1941 day of 41 (month) | , |
| | assis |
| | Inventor (Signature) |
| | Craig S. Tsukayama Inventor (Printed Name) |
| | |
| | |
| ACKNOV | WLEDGMENT |
| STATE OF WALL 3 | |
| STATE OF INDIANA SS: | |
| this day of, a Notary Public, within and the state of th | for said Gounty and State. Witness my hand and Notarial Seal |
| | Manay Williams |
| | Notary Public |
| | N |
| | Nancy Williams |
| | Notary Pphilic State of Indiana Kosciusko County |
| | My Commission Exp. June 21, 2016 |
| My Commission Expires: | Resident of County |

Attorney Docket No.: 265280-223292

Client Reference No.: DEP6641USNP

ASSIGNMENT

For good and valuable consideration, the sufficiency of which is acknowledged, the undersigned,

Rebecca L. Chaney Craig S. Tsukayama Jancile M. Lubensky Duncan G. Young Jonathan C. Lee Jeffrey M. Walcutt Francisco A. Amaral Carl F. Livorsi Peter J. James

maker(s) of an invention which is the subject of an application for Letters Patent of the United States ("Application") identified as U.S. Patent Application Serial No. 13/834,374, filed March 15, 2013, entitled

FEMORAL SURGICAL INSTRUMENT AND METHOD OF USING SAME

the undersigned hereby sell(s), assign(s), and set(s) over to

DePuy Synthes Products, LLC 325 Paramount Drive Raynham, MA 02767-0350

A corporation of the state of **DELAWARE**

(hereinafter designated as the Assignee) their entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries, including Canada, which may be granted for such inventions, or any of them, all such inventions and all rights in such Application and Letters Patent to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by them had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the application(s) in the United States and foreign countries and any continuing, divisional, or reissue applications thereof, and any reexamination of any of such applications, and also to execute separate assignments in connection with such applications as the Assignce may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared or litigation concerning the application(s) or continuation, division, reissue, or reexamination thereof, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or litigation.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

| Attorney Docket No.: | 265280-223292 |
|-----------------------|---------------|
| Client Reference No.: | DEP6641USNP |

ASSIGNMENT TO BUSINESS CONCERN

The undersigned agree(s) to do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States and in all other countries where Assignee may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application(s) or any division or divisions or continuing or reissue applications thereof, and any reexamination of any of such applications, to the said Assignee, as Assignee of the entire interest, and hereby covenants that the undersigned has full right to convey the interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

| | · - | (city, state) |
|----------|---------|-------------------------|
| s day of | | _, 2014, |
| (day) | (month) | (year) |
| | | |
| | | |
| | | |
| | | Inventor (Signature) |
| | | Rebecca L. Chaney |
| | | Inventor (Printed Name) |

| | | | Attorney Docket No.: | 265280-223292 |
|-----------|------------------------|----------------------------------|-----------------------|----------------|
| | | | Client Reference No.: | DEP6641USNP |
| | | | | |
| | | i. Va | wan India | AA A . |
| INESS WHI | EREOF, I have executed | I this assignment at <u>"J.U</u> | TAVENU ARE EVENT | <u> </u> |
| | | | (city, state) | |
| this | day of | | , <u>2014</u> | |
| (d | ay) | (month) | (year) | |
| | | | | |
| | | | | |
| | | | Ψ , | /G' , \ |
| | | | inventor | (Signature) |
| | | | Craig S. | Tsukayama |
| | | | | (Printed Name) |

My Commission Expires:____

Resident of ___

| | | | Attorney Docket No.: Client Reference No.: | |
|---|---------------------------|---------|--|-------|
| | HBREOF, I have executed t | <u></u> | (city, state) | ••••• |
| (| (day) | (month) | (year) | |
| Outside the USA: Witnesses are required when acknowledgment before a Notary Public is not feasible. | Witness | | Inventor (Signa Duncan G. You Inventor (Printo | mg |

| | | 20028U-223292 |
|--|-----------------------------------|--|
| | Client Reference No.: _ | DEP6641USNP |
| IN WITNESS WHEREOF, I have executed this assignment at this day of (day) (month) | (city, state) 2014 (year) Invent | or (Signature) an C. Lee or (Printed Name) |
| ACKNOWLED | GMENT | |
| STATE OF CHARLES | | |
| country of hoxiwke } ss: | | |
| Acknowledged before me, a Notary Public, within and for said this day of, | County and State. Witn | ess my hand and Notarial Seal |
| | Manay Willia | MI |
| | Notary | Public Public |
| | Nancy Will | iams |
| | Notary Public Stat | e of Indiana |
| | KoscitRtint€ My Commission Exp | |
| My Commission Expires: | Resident of | County |

| | Attorney Docket No.: <u>265280-223292</u> |
|--|---|
| | Client Reference No.:DEP6641USNP |
| IN WITNESS WHEREOF, I have executed this assignment at | (city, state) 2014 (year) |
| | Inventor (Signature) |
| F. | / myellos (Signature) |
| | Jeffrey M. Walcutt |
| | Inventor (Printed Name) |
| STATE OF MAILMA } SS: | LEDGMENT . |
| | said County and State. Witness my hand and Notatial Seal |
| | Macy Lilland Notary Public |
| M. Commission Emissu | Nancy Williams Notary Published Namouliana Kosciasko County My Commission Exp. June 21, 2016 Recident of County |

| | | | Attorney Docket No.: <u>265280-223292</u> |
|------------------|--------------------------|-----------------------------|--|
| | | | Client Reference No.:DEP6641USNP |
| | | | |
| | | | |
| | | | |
| N WITNESS WHI | EREOF, I have executed | this assignment at | (city, state) |
| this | day of | | (city, state) |
| (6 | day or | (month) | |
| 10 | y) | (month) | (year) |
| | | | |
| | | | |
| | | ¥ | Inventor (Signature) |
| | | | · - , |
| | | | Francisco A. Amaral |
| | | | Inventor (Printed Name) |
| | | | |
| | | | |
| | | | |
| | | ACKNOWLE | DGMENT |
| | | | |
| TATE OF | } | SS: | |
| COUNTY OF | } | 33; | |
| | , | | |
| Acknowled | dged before me, a Notary | y Public, within and for sa | aid County and State. Witness my hand and Notarial Ser |
| nis d | ay of | · | |
| | | | |
| | | | |
| | | | |
| | | | Notary Public |
| | | | v |
| | , | | |
| | | | To.//a-t1.27 |
| | | | Printed Name |
| | | | |
| Fr Commission Fr | | | Desident C |

| | | | Attorncy Docket No.: _ | 265280-223292 | |
|-----------------|------------------------|-------------------------------|---------------------------|--------------------------------|---------|
| | | | Client Reference No.: | DEP6641USNP | |
| | | | | | |
| | | | | | |
| WITNESS WHEI | REOF, I have executed | this assignment at | | | |
| 41. * . | 1 0 | | (city, state) | | |
| tnis(da | day or | (month) | , <u>2014</u> . (year) | | |
| (40) | 3) | (month) | (Jour) | | |
| | | | | | |
| | | | | | |
| | | | Invent | or (Signature) | |
| | | | | T () | |
| | | | | . Livorsi or (Printed Name) | |
| | | · | 111 4 0211 | or (rimea rumo) | |
| | | | | | |
| | | | | | |
| | | ACKNOWLED(| 1MENT | | |
| | | A KOALI TO TI LILLIAN | | | |
| TE OF | } | | | | |
| JNTY OF | } | SS: | | | |
| NIIOF | } | | | | |
| Acknowledg | ged before me, a Notar | y Public, within and for said | County and State. Witn | ess my hand and Notarial Sea | l |
| da | y of | | | | |
| | | | | | |
| | | | | | |
| , | | | | | |
| | | | Notary | Public | |
| | | | | | |
| | | | | | |
| | | | Printed | i Name | |
| | | | | | |
| Camanianian Dag | t | | Dagidout of | | Country |

| | | | Attorney Docket No.: _ Client Reference No.: _ | |
|--|-------------------------------|---------|---|-------------|
| | IEREOF, I have executedday of | | (city, state) | |
| (| (day) | (month) | (year) | |
| Outside the USA: Witnesses are required when acknowledgment | Witness | | Inventor (Signa | iture) |
| before a Notary Public is not feasible. | Witness | | Peter J. James Inventor (Printe | ed Name) |

INDS02 1311737v1

| Attorney Docket No.: | 265280-223292 | |
|-----------------------|---------------|--|
| Client Reference No.: | DEP6641USNP | |

ASSIGNMENT

For good and valuable consideration, the sufficiency of which is acknowledged, the undersigned,

Rebecca L. Chaney Craig S. Tsukayama Janelle M. Lübensky Duncan G. Young Jonathan C. Lee Jeffrey M. Walcutt Francisco A. Amaral Carl F. Livorsi Peter J. James

maker(s) of an invention which is the subject of an application for Letters Patent of the United States ("Application") identified as U.S. Patent Application Serial No. 13/834,374, filed March 15, 2013, entitled

FEMORAL SURGICAL INSTRUMENT AND METHOD OF USING SAME

the undersigned hereby sell(s), assign(s), and set(s) over to

DePuy Synthes Products, LLC 325 Paramount Drive Raynham, MA 02767-0350

A corporation of the state of **DELAWARE**

(hereinafter designated as the Assignee) their entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries, including Canada, which may be granted for such inventions, or any of them, all such inventions and all rights in such Application and Letters Patent to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by them had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the application(s) in the United States and foreign countries and any continuing, divisional, or reissue applications thereof, and any reexamination of any of such applications, and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared or litigation concerning the application(s) or continuation, division, reissue, or reexamination thereof, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or litigation.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

| | | | | | | | 265280-223292 |
|--|--------------------------------------|----------------------------|----------------------|------------------------------|------------------------------------|--------------------------------------|---|
| | | | | | Chent | Reference No.: _ | DEP6641USNP |
| | | | | | | | |
| ASSIGNMEN | IT TO BUSINESS | CONCER | .N | | | | |
| rant of Letter uch inventior | rs Patent to Assign | ee or its n , patented, | ominees, with spe | in the United cifications ar | l States and in nd claims in su | all other countrach form as shal | be necessary or desirable to secure ies where Assignee may desire to h I be approved by Assignee and to h Letters Patent. |
| Inited States eexamination indersigned h | resulting from said of any of such a | id applicat | tion(s) or s, to the | any division said Assigne | or divisions e, as Assignee | or continuing or of the entire in | issue any and all Letters Patent of r reissue applications thereof, and nterest, and hereby covenants that not executed, and will not execute, |
| | sary or desirable in | | | | | | gnment any further identification w ad Trademark Office for recordatio |
| | | | | | | | |
| | TITNESS WHERE | • | | _ | | (city, state) | |
| | | • | | _ | | (city, state) | |
| | TITNESS WHERE day o | • | | _ | | (city, state) 2014 (year) | |
| | | • | | _ | | (city, state) 2014 . (year) | |
| | | • | | _ | | 2014 . (year) | tor (Signature) |
| | | • | | _ | | year) . (year) | |
| | | • | | _ | | | tor (Signature) cca L. Chaney tor (Printed Name) |
| | | • | | _ | | | cca L. Chaney |
| | | • | | (month) | | Inventor | cca L. Chaney |
| this _ | | of} | | (month) | | Inventor | cca L. Chaney |
| this _ | day c | | | (month) | | Inventor | cca L. Chaney |
| this _ STATE OF COUNTY OF Ackn | day c | } } } ne, a Nota | SS: ry Public, | (month) ACKNOW | VLEDGMENT | Inventor | cca L. Chaney |
| this _ STATE OF COUNTY OF Ackn | day o | } } } ne, a Nota | SS: ry Public, | (month) ACKNOW | VLEDGMENT | Inventor | cea L. Chaney tor (Printed Name) |
| this _ STATE OF COUNTY OF Ackn | day o | } } } ne, a Nota | SS: ry Public, | (month) ACKNOW | VLEDGMENT | Inventory and State. With | cea L. Chaney tor (Printed Name) |

Page 2 of 10

My Commission Expires:____

Printed Name

Resident of _____ County

| | | | Attorney Docket No.: Client Reference No.: | 265280-223292 DEP6641USNP |
|---------------|----------------------|------------------------------|---|-------------------------------|
| | | | | |
| VITNESS WH | ERFOF. I have exect | uted this assignment at | | |
| this | day of | (month) | (city, state) | |
| (0 | lay) | (month) | (year) | |
| | | | | |
| | | | . Invent | or (Signature) |
| | | | Craig S | S. Tsukayama |
| | | | Invent | or (Printed Name) |
| | | | | |
| | | ACKNOWL | EDGMENT | |
| TE OF | } | | | |
| UNTY OF | } } | SS: | | |
| Acknowle | dged before me, a No | otary Public, within and for | said County and State. Witn | ess my hand and Notarial Seal |
| ¢ | lay of | | • | |
| | | | | |
| | | | Notara | / Public |
| | | | 2.00.002) | , 1 40.00 |
| | | | Printed | d Name |
| Commission Ex | xpires: | | Resident of | Co |

| | | | Attorney Docket No.: _ | 265280-223292 |
|-----------------|------------------------|---------------------------|------------------------------|--------------------------------|
| | | | Client Reference No.: | DEP6641USNP |
| | PROF. U | d this project on the | | |
| | | d this assignment at | (city, state) | |
| this(d | day of ay) | (month) | (year) | |
| | | | | |
| | | | Inven | tor (Signature) |
| | | • | | e M. Lubensky |
| | | | Inven | tor (Printed Name) |
| | | | | |
| | | ACKNOW | LEDGMENT | |
| STATE OF | } | 99 | | |
| COUNTY OF | } | SS: | | |
| Acknowle | lged before me, a Nota | ry Public, within and for | r said County and State. Wit | ness my hand and Notarial Seal |
| | • | | | |
| | | | | |
| | | | Notar | ry Public |
| | | | Printe | ed Name |
| My Commission E | vnires: | | Resident of | Co |

My Commission Expires:_____

Witness
Witness

Duncan G. Young
Inventor (Printed Name)

Attorney Docket No.: 265280-223292
Client Reference No.: DEP6641USNP

| | | | Attorney Docket No.: Client Reference No.: | |
|---------------------|----------------------------------|-------------------------------|--|--------------------------------|
| | | this assignment at(month) | (city, state) | |
| | | | | or (Signature) |
| | | | | an C. Lee or (Printed Name) |
| | | ACKNOWLEDG | GMENT | |
| TATE OF OUNTY OF | } | SS: | | |
| Acknowled | dged before me, a Notar ay of | y Public, within and for said | County and State. Witne | ess my hand and Notarial Seal |
| | | | Notary | Public |
| | | | Printed | Name |
| 1y Commission E | kpires: | | Resident of | Co |

| this c | ay of | (month) | (city, state) _,2014 |
|---------------------|----------|----------------------------|--|
| (day) | | (month) | (year) |
| | | | Inventor (Signature) |
| | | | Jeffrey M. Walcutt Inventor (Printed Name) |
| | | | |
| | | ACKNOWLED | OGMENT |
| TE OF NTY OF | } | SS: | |
| Acknowledged before | | Public, within and for sai | d County and State. Witness my hand and Notarial Sea |
| | | | |
| | | | Notary Public |
| | | | Printed Name |
| | | | |

Attorney Docket No.: 265280-223292

| | | | Attorney [| Docket No.: _ | 265280-223292 | |
|-----------------|------------------|-------------------------|--------------------------|----------------|------------------------------|---------|
| | | | Client Ref | ference No.: _ | DEP6641USNP | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| IN WITNESS WH | EREOF, I have ex | ecuted this assignmen | nt at | | | |
| | | | (0 | city, state) | | |
| this | day of | (mo | , 2 | 014 . | | |
| | day) | (mo | nth) (c | year) | | |
| ` | | (| , | , , | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | Invent | tor (Signature) | |
| | | | | | , | |
| | | | | Franci | sco A. Amaral | |
| | | | - | | tor (Printed Name) | _ |
| | | | | mvom | ioi (i iiitoa i taino) | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | AC | KNOWLEDGMENT | | | |
| | | | | | | |
| STATE OF | } | | | | | |
| | ĺ | SS: | | | | |
| COUNTY OF | ý | | | | | |
| 000.111.01 | , | | | | | |
| Acknowle | doed before me | Notary Public withi | n and for said County ar | nd State Witn | ness my hand and Notarial Se | al |
| this | tay of | i i totary i aono, wian | | ad State. With | | *** |
| uns | | | , | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | Notary | y Public | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | V | Printe | d Name | - |
| | | | | 1 1 11100 | w | |
| | | | | | | |
| | | | 77 | | | Count |
| My Commission E | xpires: | | R | Resident of | | _ Count |

My Commission Expires:_____

| | | | Attorney Docket No.: | 265280-223292 |
|-------------------------|---------------|----------------------|-----------------------|--------------------------------|
| | | | Client Reference No.: | DEP6641USNP |
| A WATER OF THE SEAL | These avenues | d this assissment at | | |
| N WITNESS WHEREOF | | | (city, state) | |
| this(day) | day of | (month) | , | |
| | | | | |
| | | | Inven | ator (Signature) |
| | | | Carl I | F. Livorsi |
| | | | Inven | ntor (Printed Name) |
| | | | | |
| | | ACKNOV | WLEDGMENT | |
| ГАТЕ OF | } | aa | | |
| OUNTY OF | } } | SS: | | |
| Acknowledged be | | | | ness my hand and Notarial Seal |
| • | | | | |
| | | | Notai | ry Public |
| | | | | |
| | | | Printe | ed Name |
| My Commission Expires:_ | | | Resident of | C |

My Commission Expires:

| | | | Attorney Docket No.: _ Client Reference No.: _ | |
|---|-------------------------------|---------------------------|---|----------|
| this | EREOF, I have executed day of | this assignment at(month) | (city, state) , 2014 . (year) | |
| Outside the USA: _ Witnesses are required when acknowledgment before a Notary | Witness | | Inventor (Signa Peter J. James | iture) |
| Public is not | Witness | | Inventor (Printe | ed Name) |

INDS02 1311737v1

feasible.

Attorney Docket No.: 265280-223292
Client Reference No.: DEP6641USNP

ASSIGNMENT

For good and valuable consideration, the sufficiency of which is acknowledged, the undersigned,

Rebecca L. Chaney Craig S. Tsukayama Janelle M. Lubensky Duncan G. Young Jonathan C. Lee Jeffrey M. Walcutt Francisco A. Amaral Carl F. Livorsi Peter J. James

maker(s) of an invention which is the subject of an application for Letters Patent of the United States ("Application") identified as U.S. Patent Application Serial No. 13/834,374, filed March 15, 2013, entitled

FEMORAL SURGICAL INSTRUMENT AND METHOD OF USING SAME

the undersigned hereby sell(s), assign(s), and set(s) over to

DePuy Synthes Products, LLC 325 Paramount Drive Raynham, MA 02767-0350

A corporation of the state of **DELAWARE**

(hereinafter designated as the Assignee) their entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries, including Canada, which may be granted for such inventions, or any of them, all such inventions and all rights in such Application and Letters Patent to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by them had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the application(s) in the United States and foreign countries and any continuing, divisional, or reissue applications thereof, and any reexamination of any of such applications, and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared or litigation concerning the application(s) or continuation, division, reissue, or reexamination thereof, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or litigation.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

| Attorney Docket No.: | 265280-223292 | |
|-----------------------|---------------|--|
| Client Reference No.: | DEP6641USNP | |

ASSIGNMENT TO BUSINESS CONCERN

The undersigned agree(s) to do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States and in all other countries where Assignee may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application(s) or any division or divisions or continuing or reissue applications thereof, and any reexamination of any of such applications, to the said Assignee, as Assignee of the entire interest, and hereby covenants that the undersigned has full right to convey the interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

| | | e executed this assignment at | (city_state) | |
|---------------|----------|--------------------------------|---|---------------|
| uns | (day) | (month) | | |
| | | | Inventor (Signature) | |
| | | | Rebecca L. Chaney | |
| | | | Inventor (Printed Name) | 1 |
| | | | | |
| | | ACKNOWLEDO | MENT | |
| STATE OF | } | SS: | | |
| COUNTY OF | } | 33. | | |
| | | ry Public, within and for said | County and State. Witness my hand and l | Notarial Seal |
| | | | | |
| | | | Notary Public | |
| | | | Printed Name | |
| My Commission | Expires: | | Resident of | Coun |

| | | | Attorney Docket No.: <u>265280-223292</u> | |
|------------------------|----------------------|-----------------------------|---|--------|
| | | | Client Reference No.: <u>DEP6641USNP</u> | |
| | | | | |
| | | | | |
| | | | | |
| IN WITNESS WHEREO | F. I have executed t | this assignment at | (city, state) | |
| | , | | (city, state) | |
| this | day of | (month) | , | |
| (day) | • | (month) | , | |
| | | | | |
| | | | | |
| | | | | |
| | | | Inventor (Signature) | - |
| | | | (a-g) | |
| | | | Craig S. Tsukayama | _ |
| | | | Inventor (Printed Name) | |
| | | | | |
| | | | | |
| | | ACKNOWLED | GMENT | |
| STATE OF | } | | | |
| |) ; | SS: | | |
| COUNTY OF | } | | | |
| Acknowledged b | efore me, a Notary | Public, within and for said | d County and State. Witness my hand and Notarial Se | al |
| | | | | |
| | | | Notary Public | |
| | | | | |
| | | | Printed Name | _ |
| | | | | |
| My Commission Expires: | | | Resident of | _ Coun |
| | | *** | | |

| | | Attorney Docket No.: 203280-223292 |
|------------------------------|---------------------------------|--|
| | | Client Reference No.: DEP6641USNP |
| | | |
| | | |
| | | |
| N WITNESS WHEREOF, I have ex | ecuted this assignment at | |
| 41 | | (city, state) |
| this day of | (month) | , |
| (day) | (monun) | (year) |
| | | |
| | | |
| | | Inventor (Signature) |
| | | inventor (Signature) |
| | | Janelle M. Lubensky |
| | | Inventor (Printed Name) |
| | | , , , |
| | | |
| | | |
| | A CHALOWH F | |
| | ACKNOWLE | EDGMENT |
| ΓATE OF } | | |
| } | SS: | |
| OUNTY OF) | | |
| | | |
| Acknowledged before me, a | Notary Public, within and for s | said County and State. Witness my hand and Notarial Seal |
| is day of | , | · |
| | | |
| | | |
| | | |
| | | Notary Public |
| | | 10000 |
| | | |
| | | |
| | | Printed Name |
| | | |
| L. C | | Decident of Co. |
| Iy Commission Expires: | | Resident ofCo |

| | | | Attorney Docket No.: 265280-223292 Client Reference No.: DEP6641USNP | |
|--|-----------------------|--------------------|--|--|
| | REOF, I have executed | this assignment at | (city, state) | |
| this(da | day of y) | (month) | | |
| Outside the USA: Witnesses are required when acknowledgment | Witness | | Inventor (Signature) | |
| before a Notary | | | Duncan G. Young | |
| Public is not | Witness | | Inventor (Printed Name) | |

feasible.

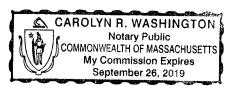
| | | | (city, state) , |
|-----------------------|---------------------------------|-----------------------------|--|
| (da | y) | (month) | (year) |
| | | | Inventor (Signature) |
| | | | Jonathan C. Lee |
| | | | Inventor (Printed Name) |
| STATE OF COUNTY OF | } } } | ACKNOWLED | GMENT |
| Acknowled | ged before me, a Notary y of | Public, within and for said | d County and State. Witness my hand and Notarial Sea |
| | | | Notary Public |
| | | | Printed Name |
| My Commission Exp | oires: | | Resident of |

Attorney Docket No.: 265280-223292
Client Reference No.: DEP6641USNP

| | | | Attorney Docket No.: _ Client Reference No.: _ | 265280-223292 DEP6641USNP |
|---------------------|-----------------------------------|---------------------------|--|--------------------------------|
| N WITNESS WHEF | REOF, I have executed th | nis assignment at | (city, state) | |
| this | day of y) | | | |
| (da | y) | (month) | (year) | |
| | | | Invent | tor (Signature) |
| | | | Jeffre | y M. Walcutt |
| | | | | tor (Printed Name) |
| TATE OF OUNTY OF | } } } | ACKNOWLEI | | |
| Acknowledg | ged before me, a Notary I y of | Public, within and for sa | id County and State. Witr | ness my hand and Notarial Seal |
| | | | Notar | y Public |
| | | | Printe | d Name |
| | | | | |
| y Commission Exp | ires: | | Resident of | |

My Commission Expires:_____

| | | | | | , |
|--------------|----------------------|------------------------|----------------------|---------------------|--|
| IN WITNESS | WHEREO | F, I have execu | ited this assignment | ent at RAYN | (city, state) |
| this_ | 87 | _ day of | MARC | <u>/</u> onth) | 2014 . |
| | (day) | | (me | onth) | (year) |
| | | | | (| January Januar |
| | | | | | Juanta (Signatura) |
| | | | | | Inventor (Signature) |
| | | | | | Francisco A. Amaral Inventor (Printed Name) |
| | | | | | |
| | | | | | |
| | | | A | CKNOWLEDGM | ENT |
| STATE OF / | MA | } | | | |
| COUNTY OF | Brisi | | SS: | | |
| this Ackno | owledged b day of | pefore me, a No Man | otary Public, with | nin and for said Co | unty and State. Witness my hand and Notarial Seal |
| | | | | | |
| | | | | | (arilyr K. Washington) Notary Public |
| | | | | | |
| | | | | (| Carilya R. Washington Notary Public Carolya R. Washington Printed Name |
| My Commissio | on Expires: | 9/24/6 | 2019 | | Resident of <u>frister</u> County |



Attorney Docket No.: 265280-223292
Client Reference No.: DEP6641USNP

| | Atto Clier | | Attorney Docket No.: _ Client Reference No.: _ | 265280-223292 DEP6641USNP | |
|-----------------------|------------------------------|----------------------------|--|--------------------------------|--|
| | | his assignment at(month) | (city, state) | | |
| (da | ay) | (month) | (year) | | |
| | | | Invent | tor (Signature) | |
| | | | Carl F | . Livorsi | |
| | | | Invent | tor (Printed Name) | |
| TATE OF OUNTY OF | } | ACKNOWLED | | | |
| Acknowled sda | ged before me, a Notary y of | Public, within and for sai | d County and State. Witr | ness my hand and Notarial Seal | |
| | | | Notar | y Public | |
| | | | Printe | d Name | |
| y Commission Expires: | | | Resident of | | |

| | | | Attorney Docket No.: _ Client Reference No.: _ | |
|--|---------------------------|-----------------------------|--|----------|
| N WITNESS WHEREOF, I have executed this day of | | d this assignment at(month) | (city, state) | |
| Witnesses are equired when acknowledgment | uired when nowledgment | | Inventor (Signa | uture) |
| pefore a Notary | Witness | | Peter J. James Inventor (Printe | ed Name) |

INDS02 1311737v1

feasible.

ASSIGNMENT

For good and valuable consideration, the sufficiency of which is acknowledged, the undersigned,

Rebecca L. Chaney Craig S. Tsukayama Janelle M. Lubensky Duncan G. Young Jonathan C. Lee Jeffrey M. Walcutt Francisco A. Amaral Carl F. Livorsi Peter J. James

maker(s) of an invention which is the subject of an application for Letters Patent of the United States ("Application") identified as U.S. Patent Application Serial No. 13/834,374, filed March 15, 2013, entitled

FEMORAL SURGICAL INSTRUMENT AND METHOD OF USING SAME

the undersigned hereby sell(s), assign(s), and set(s) over to

DePuy Synthes Products, LLC 325 Paramount Drive Raynham, MA 02767-0350

A corporation of the state of **DELAWARE**

(hereinafter designated as the Assignee) their entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries, including Canada, which may be granted for such inventions, or any of them, all such inventions and all rights in such Application and Letters Patent to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by them had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the application(s) in the United States and foreign countries and any continuing, divisional, or reissue applications thereof, and any reexamination of any of such applications, and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared or litigation concerning the application(s) or continuation, division, reissue, or reexamination thereof, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or litigation.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

PATENT REEL: 033954 FRAME: 0662

| Attorney Docket No.: | 265280-223292 | |
|-----------------------|---------------|--|
| Client Reference No.: | DEP6641USNP | |
| | | |

ASSIGNMENT TO BUSINESS CONCERN

The undersigned agree(s) to do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States and in all other countries where Assignee may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application(s) or any division or divisions or continuing or reissue applications thereof, and any reexamination of any of such applications, to the said Assignee, as Assignee of the entire interest, and hereby covenants that the undersigned has full right to convey the interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

| this | day of | J | (city, state) , | • |
|----------------------|---------------------------------|-----------------------------|---|------------|
| (da | ay) | (month) | (year) | |
| | | | Inventor (Signature) Rebecca L. Chaney Inventor (Printed Name) | |
| STATE OF | } | ACKNOWLED | GMENT | |
| COUNTY OF | } | SS: | | |
| Acknowledg his da | ged before me, a Notary y of | Public, within and for said | County and State. Witness my hand and Not | arial Seal |
| | | | Notary Public | |
| | | | Printed Name | |
| My Commission Exp | ires: | | Resident of | Cou |

| | • | | Attorney Docket No.: | 265280-223292 |
|-------------------|----------------------|---------------------------|--|-------------------------------|
| | | | Attorney Docket No.: _ Client Reference No.: _ | DEP6641USNP |
| | | | _ | |
| | | | | |
| | | | | |
| INI WITNIEGO WID | ODEOE There | 4.44.1 | | |
| IN WITNESS WHI | EKEOF, I nave execu | ted this assignment at | (city, state) | |
| thia | day of | | (city, state) | |
| uns | uay oi | (month) | , <u>2014</u> (year) | |
| (u | ay) | (iiioiiii) | (year) | |
| | | | | |
| | | | | |
| | | | | |
| | | | Invent | for (Signature) |
| | | | | |
| | | | Craig | S. Tsukayama |
| | | | Invent | or (Printed Name) |
| | | | | |
| | | | | |
| | | | | |
| | | A CIZNICITY | I DDCI (D) (D) | |
| | | ACKNOW | LEDGMENT | |
| STATE OF | } | | | |
| STATEOF | { | SS: | | |
| COUNTY OF | <i>}</i> | oo. | | |
| 0001111 01 | , | | | |
| Acknowled | ped before me a Nota | ary Public, within and fo | r said County and State Witn | ess my hand and Notarial Seal |
| this da | v of | | i sara County and State. With | css my hand and Notarrai Scar |
| | <i>J</i> ~ | | • | |
| | | | | |
| | | | | |
| | | | | |
| | | | Notary | Public |
| | | | | |
| | | | | |
| | | | | |
| | | | Printed | Name |
| | | | | |
| | | | · · | |
| My Commission Exp | ires: | | Resident of | County |
| | | | | |

| | | | Attorney Docket No.: _ Client Reference No.: _ | 265280-223292 DEP6641USNP |
|-----------------------|-----------------------------|-----------------------------|--|---|
| | | d this assignment at | (city, state) | |
| (da | y) | (month) | year) | |
| | | | Janelle | or (Signature) 2 M. Lubensky or (Printed Name) |
| | | ACKNOWLE. | DGMENT | |
| TATE OF | } | SS: | | |
| OUNTY OF | } | SS. | | |
| Acknowledg nis day | ed before me, a Notar of | y Public, within and for sa | id County and State. Witne | ess my hand and Notarial Seal |
| | | | Notary | Public |
| | | | Printed | Name |

My Commission Expires:_____

| IN WITNESS WHI | EREOF, I have executed | this assignment at | | |
|--|------------------------|--------------------|-------------------------|--|
| this | day of | | (city, state) ,2014 | |
| (0 | day) | (month) | (year) | |
| | | | | |
| Outside the USA: | | | | |
| Witnesses are required when acknowledgment | Witness | | Inventor (Signature) | |
| before a Notary _ | | | Duncan G. Young | |
| Public is not | Witness | | Inventor (Printed Name) | |

feasible.

Attorney Docket No.: 265280-223292
Client Reference No.: DEP6641USNP

| | | | Attor | ney Docket No.: _ | 265280-223292 |
|-----------------|--------------------|---------------------|-----------------------|---------------------|-------------------------------|
| | | | Clien | nt Reference No.: _ | DEP6641USNP |
| | | | | | |
| | | | | | |
| | | | | | |
| IN WITNESS W | HEDEOE I have an | | ment at | | |
| IN WILINESS W. | nekeor, i nave ex | ecuted this assigni | nent at | (city state) | |
| this | day of | | | 2014 . | |
| | day of | (n | nonth) | (year) | |
| | | • | • | , | |
| | | | | | |
| | | | | | |
| | | | | Invent | or (Signature) |
| | | | | | , - , |
| | | | | | an C. Lee |
| | | | | Invent | or (Printed Name) |
| | | | | | |
| | | | | | |
| | | | | | |
| | | A | CKNOWLEDGMEN | ЛТ | |
| | | | | | |
| STATE OF | } | aa | | | |
| COUNTY OF | } | SS: | | | |
| COUNTIOF | } | | | | |
| Acknowl | edged before me. a | Notary Public, with | hin and for said Coun | ty and State Witne | ess my hand and Notarial Seal |
| this | day of | | | | oss my hand and motarial Scar |
| | | | | Management 1 | |
| | | | | | |
| | | | | | |
| | | | <u></u> | 3.T / | D 10 |
| | | | | Notary | Public |
| | | | | | |
| | | | | | |
| | | | | Printed | Name |
| | | | | | |
| | | | | | |
| My Commission E | expires: | | | Resident of | Co |

| | | | | | Attorne | ey Docket No.: | 265280-223292 | |
|--------------|---------------|-----------------|---------------|---|---|----------------|------------------------------|----------|
| | | | | | Client l | Řeference No.: | DEP6641USNP | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| TAT MATTATES | ee wiiidhii o | E I hove over | tad thia aggi | anment at | | | | |
| IN WITHE | SS WILKEO | r, I have execu | icu iiis assi | giiiiieiii ai | | (city, state) | | |
| thi | • | day of | | | | 2014 . | | |
| LIII | (day) | day of | | (month) | , | (year) | | |
| | (44)) | | | (************************************** | | Qy | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | Turran | tor (Signature) | |
| | | | | | | 1111/611 | ior (Signature) | |
| | | | | | | Ieffre | y M. Walcutt | |
| | | | | | • | Inven | tor (Printed Name) | |
| | | | | | | 1111 011 | (111110011(11110) | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | ACKNOWL | EDGMENT | | | |
| | | | | | | | | |
| STATE OF | | } | | | | | | |
| | | } | SS: | | | | | |
| COUNTY C |)F | } | | | | | | |
| | | | | | | | | |
| | | | | | | | ness my hand and Notarial Se | eal |
| this | day of | | | | | • | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | • | | | | *************************************** | Noton | y Public | |
| | | | | | | ivotai | y r ubiic | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | Printe | d Name | _ |
| | | | | | | 1 111110 | W A 1994AAV | ٠ |
| | | | | | | | | |
| My Commis | sion Expires: | | | _ | | Resident of | | _ County |

| | | | Client Reference No.: <u>DEP6641USNP</u> | |
|---------------|----------------------------|-------------------|---|--------|
| | | | | |
| | | | | |
| | | | | |
| IN WITNESS V | WHEREOF, I have executed t | his assignment at | (city, state) | |
| this | day of | | (City, State) 2014 | |
| | day of (day) | (month) | , | |
| | , | , | , | |
| | | | | |
| | | | | |
| | | | Inventor (Signature) | |
| | | | Francisco A. Amaral | |
| | | | Inventor (Printed Name) | |
| | | | | |
| | | | | |
| | | | | |
| | | ACKNOWLEDO | MENT | |
| | | | | |
| STATE OF | } | ×~ | | |
| COUNTY OF | } | SS: | | |
| COUNTION | } | | | |
| | | | County and State. Witness my hand and Notaria | l Seal |
| this | day of | | · | |
| | t | | | |
| | | | | |
| | | _ | | |
| | | | Notary Public | |
| | | | | |
| | | | | |
| | | - | Printed Name | |
| | | | | |
| | n · | | D 11 4 C | C |
| My Commission | Expires: | | Resident of | Count |

Attorney Docket No.: <u>265280-223292</u>

| | D |
|--|--|
| IN WITNESS WHEREOF, I have executed this assignment at | RAYNHAM, MA. 02767 |
| this day of | (city, state) ,2014 |
| (day) (month) | (year) |
| | 0010 |
| | art- morsi |
| | Inventor (Signature) |
| | Carl F. Livorsi |
| | Inventor (Printed Name) |
| | |
| ACKNO | OWLEDGMENT |
| STATE OF $M \beta$ | |
| country of Bristal } ss: | |
| Acknowledged before me, a Notary Public, within an this 7th day of 1100 ch | d for said County and State. Witness my hand and Notarial Seal |
| | Carolyn L. Washingh |
| | Carolyn R. Washington Printed Name |
| My Commission Expires: 9/26/2019 | Resident of Mistal County |
| | CAROLYN R. WASHINGTON |

| I WITNESS WHER | EOF, I have executed | this assignment at | | |
|---|----------------------|--------------------|--------------------------|--|
| this | day of | | (city, state) ,2014 . | |
| (day | 7) | (month) | (year) | |
| utside the USA: | | | | |
| itnesses are quired when knowledgment | Witness | | Inventor (Signature) | |
| fore a Notary | | | Peter J. James | |
| ablic is not | Witness | | Inventor (Printed Name) | |

INDS02 1311737v1

feasible.

ASSIGNMENT

For good and valuable consideration, the sufficiency of which is acknowledged, the undersigned,

Rebecca L. Chaney Craig S. Tsukayama Janelle M. Lubensky Duncan G. Young Jonathan C. Lee Jeffrey M. Walcutt Francisco A. Amaral Carl F. Livorsi Peter J. James

maker(s) of an invention which is the subject of an application for Letters Patent of the United States ("Application") identified as U.S. Patent Application Serial No. 13/834,374, filed March 15, 2013, entitled

FEMORAL SURGICAL INSTRUMENT AND METHOD OF USING SAME

the undersigned hereby sell(s), assign(s), and set(s) over to

DePuy Synthes Products, LLC 325 Paramount Drive Raynham, MA 02767-0350

A corporation of the state of **DELAWARE**

(hereinafter designated as the Assignee) their entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries, including Canada, which may be granted for such inventions, or any of them, all such inventions and all rights in such Application and Letters Patent to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by them had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the application(s) in the United States and foreign countries and any continuing, divisional, or reissue applications thereof, and any reexamination of any of such applications, and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared or litigation concerning the application(s) or continuation, division, reissue, or reexamination thereof, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or litigation.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

PATENT REEL: 033954 FRAME: 0672

| Attorney Docket No.: | 265280-223292 |
|-----------------------|---------------|
| Client Reference No.: | DEP6641USNP |

ASSIGNMENT TO BUSINESS CONCERN

The undersigned agree(s) to do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States and in all other countries where Assignee may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application(s) or any division or divisions or continuing or reissue applications thereof, and any reexamination of any of such applications, to the said Assignee, as Assignee of the entire interest, and hereby covenants that the undersigned has full right to convey the interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

| | | executed this assignment at | (city, state) | |
|-------------------------|---------------------|-----------------------------|---|---------------|
| (day) | | (month) | (year) | |
| | | | Inventor (Signature) | |
| | | | Rebecca L. Chaney | |
| | | | Inventor (Printed Name) | 1 |
| | | ACKNOWLEDO | BMENT | |
| STATE OF | } | | | |
| COUNTY OF | } | SS: | | |
| Acknowledged this day o | before me, a Notary | Public, within and for said | County and State. Witness my hand and l | Notarial Seal |
| | | | Notary Public | · |
| | | | Printed Name | |
| | | | | |
| My Commission Expire | es: | <u></u> | Resident of | Coun |

| | | | Attorney Docket N | o.: <u>265280-223292</u> |
|-------------------|---------------------|--------------------------|---------------------------------------|-----------------------------------|
| | | | Client Reference N | lo.: DEP6641USNP |
| | | | | |
| | | | | |
| IN WITNESS WH | EREOF. I have exec | uted this assignment at | | |
| | | | (city, state | e) |
| this | day of | (month) | , <u>2014</u> . (year) | |
| (0 | day) | (month) | (year) | |
| | | | | |
| | | | | |
| | | | I | nventor (Signature) |
| | | | | |
| | | | | Craig S. Tsukayama |
| | | | 1 | nventor (Printed Name) |
| | | | | |
| | | | | |
| | | | | |
| | | ACKNO | WLEDGMENT | |
| STATE OF | 1 | | | |
| STATE OF | } | SS: | | |
| COUNTY OF | } | ~~. | | |
| | • | | | |
| Acknowle | dged before me, a N | otary Public, within and | for said County and State. | Witness my hand and Notarial Seal |
| his | day of | | · · · · · · · · · · · · · · · · · · · | |
| | | | | |
| | | | | |
| | | | | 2 11 |
| | | | Γ | Notary Public |
| | | | | |
| | | | | |
| | | | I | Printed Name |
| | | | | |
| My Commission E | vniras: | | Resident | ofC |
| vry Commission E. | лрпск | | Resident | · |

My Commission Expires:_____

| | | | Attorney Docket No.: Client Reference No.: | 265280-223292 DEP6641USNP | |
|-------------------|-----------------------------------|----------------------------|--|---------------------------------------|------|
| | REOF, I have executed th | | (city state) | | |
| this | day of | | | | |
| (da | у) | (month) | (year) | | |
| | | | Inver | ntor (Signature) | |
| | | | | le M. Lubensky ntor (Printed Name) | |
| | , | ACKNOWLED | GMENT | | |
| STATE OF | } } S | S: | | | |
| COUNTY OF | } | | | | |
| Acknowledg | ged before me, a Notary I y of | Public, within and for sai | d County and State. Wit | tness my hand and Notarial Seal | l |
| | | | Nota | ry Public | |
| | | | Print | ed Name | |
| My Commission Exp | pires: | | Resident of | | Cour |

| | | | Attorney Docket No.: _ Client Reference No.: _ | |
|--|----------------------------------|--|--|--------|
| this | CREOF, I have executed day ofay) | this assignment at(month) | (city, state) | |
| Outside the USA: _ Witnesses are required when acknowledgment | Witness | | Inventor (Signa | ature) |
| pefore a Notary | Witness | and the state of t | Duncan G. You Inventor (Print | |

feasible.

| | | | (city, state) ,2014 |
|-------------------|--------|-----------------------------|---|
| (da | у) | (month) | (year) |
| | | | Inventor (Signature) |
| | | | Jonathan C. Lee |
| | | | Inventor (Printed Name) |
| FATE OF | } | SS: | |
| | | Public, within and for said | County and State. Witness my hand and Notarial Se |
| | | | Notary Public |
| | | | Printed Name |
| Iy Commission Exp | nires: | | Resident of |

| | | | Attorney Docket No.: | 265280-223292 | |
|-------------------|-------------------------|-----------------------|---------------------------|--------------------------------|-------|
| | | | Client Reference No.: | DEP0041USNP | |
| | | | | | |
| IN WITNESS WHE | REOF, I have executed t | thic accionment at | | | |
| | | - | (city, state) | | |
| this | day of y) | (va a stla) | , | | |
| (da | у) | (month) | (year) | | |
| | | | | | |
| | | | Inven | itor (Signature) | |
| | | | Loffra | ey M. Walcutt | |
| | | | Inven | itor (Printed Name) | |
| | | | | | |
| | | | | | |
| | | ACKNOWI | LEDGMENT | | |
| | | TOTAL OF THE | | | |
| STATE OF | } | SS: | | | |
| COUNTY OF | } | 33. | | | |
| A cknowledg | red before me a Notary | Public within and for | said County and State Wit | ness my hand and Notarial Seal | |
| | y of | | | ness my nana ana moana. Ses. | • |
| | | | | | |
| | | | | | |
| | | | | D 11 | |
| | | | Notar | y Public | |
| | | | | | |
| | | | Printe | ed Name | |
| | | | D 11 - 0 | | C |
| My Commission Exp | ires: | | Resident of | | Count |

| | | | | Attorne | y Docket No.: | 265280-223292 | |
|---------------|--------------|----------------|-------------------|---|-------------------------|-------------------------------|----------|
| | | | | Client R | Reference No.: | 265280-223292 DEP6641USNP | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| IN WITNESS | WHEREOF | , I have execu | ted this assignme | ent at | (city, state) | | |
| 41.1- | | J C | | | (city, state) 2014 . | | |
| ınıs _ | (day) | _ day of | (mc | onth) | (year) | | |
| | (day) | | (IIIC | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | () 0 / | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | Invent | tor (Signature) | - |
| | | | | | | · • | |
| | | | | | | sco A. Amaral | _ |
| | | | | | Invent | tor (Printed Name) | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | AC | CKNOWLEDGMENT | | | |
| STATE OF | | ì | | | | | |
| STATE OF | | } | SS: | | | | |
| COUNTY OF | | , | | | | | |
| | | | | | | | |
| | | | | | | ness my hand and Notarial Sea | al |
| this | day of _ | | | , | • | | |
| | | | | | | | |
| | | | | | | | |
| | | | | ************************************** | | | _ |
| | | | | | Notar | y Public | |
| | | | | | | | |
| | | | | | | | |
| | | | | Carrie and Carried Comments | Printe | d Name | - |
| | | | | | | | |
| | | | | | B 11 . 0 | | C |
| My Commission | on Expires:_ | | | | Resident of | | _ County |

| | | | Attorney Docket No.: _ Client Reference No.: _ | 265280-223292 DEP6641USNP |
|-------------------|---------------------------------|---------------------------|--|----------------------------------|
| IN WITNESS WHEI | REOF, I have executed | this assignment at | (city, state) | |
| thic | day of | | (city, state) ,2014 | |
| (da | uy) | (month) | (year) | |
| | | | Inven | tor (Signature) |
| | | | | F. Livorsi tor (Printed Name) |
| | | | | |
| | | ACKNOWLE | DGMENT | |
| STATE OF | } | aa | | |
| COUNTY OF | } | SS: | | |
| Acknowledg | ged before me, a Notary y of | Public, within and for sa | aid County and State. With | ness my hand and Notarial Seal |
| | | | | |
| | | | Notar | y Public |
| | | | Printe | d Name |
| My Commission Exp | oires: | | Resident of | C |

| IN WITNESS WHE | REOF, I have exect | uted this assignment at | Notton UK (city, state) | |
|--|--------------------|--|--|--------------|
| this | day of | / ARCH | . 2014 . | |
| | ay) | (month) | (year) | |
| Outside the USA: | Arland | , Ann JAYES | Mons | |
| Witnesses are | Witness | | Inventor (Signature) | |
| required when acknowledgment before a Notary Public is not | 1. Dead | Ly Suson welby | Peter J. James Inventor (Printed Name) | Manage and a |
| feasible. | VV Ittiess | and the second s | inventor (i fined ivalue) | |

INDS02 1311737v1