505028048 07/31/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5074798

SUBMISSION TYPE:		NEW ASSIGNMENT	
NATURE OF CONVEYA	NCE:	ASSIGNMENT	
CONVEYING PARTY D	ΑΤΑ		
		Name	Execution Date
BRIAN A UTHGENANN	Т		06/07/2016
ANDREW L PIERCE			12/19/2016
RICHARD DETLEFSEN			06/07/2016
DAVID J SMITH			06/08/2016
RECEIVING PARTY DA	TA		
Name:	BIOMET	MANUFACTURING, LLC	
Street Address:	56 EAST	BELL DRIVE	
City:	WARSAV	V	
State/Country:	INDIANA		
Postal Code:	46582		
PROPERTY NUMBERS	Total: 1		
Property Type		Number	7
Application Number:	15	5165127	
Application Number:		5165127	
Application Number:		5165127	
Application Number: CORRESPONDENCE D Fax Number: Correspondence will b	OATA e sent to ti	he e-mail address first; if that is ur	nsuccessful, it will be sent
Application Number: CORRESPONDENCE D Fax Number: Correspondence will b using a fax number, if	OATA e sent to t provided;	he e-mail address first; if that is ur if that is unsuccessful, it will be se	nsuccessful, it will be sent ent via US Mail.
Application Number: CORRESPONDENCE E Fax Number: Correspondence will b using a fax number, if Email:	PATA e sent to ta provided; r re	<i>he e-mail address first; if that is ur</i> <i>if that is unsuccessful, it will be se</i> quest@slwip.com	ent via US Mail.
Application Number: CORRESPONDENCE D Fax Number: Correspondence will b using a fax number, if	PATA e sent to ta provided; a re So	he e-mail address first; if that is ur if that is unsuccessful, it will be se	ent via US Mail.
Application Number: CORRESPONDENCE E Fax Number: Correspondence will b using a fax number, if Email: Correspondent Name:	PATA e sent to the provided; f re So Po	<i>he e-mail address first; if that is ur</i> <i>if that is unsuccessful, it will be se</i> quest@slwip.com CHWEGMAN LUNDBERG & WOES	e nt via US Mail. SNER, P.A.
Application Number: CORRESPONDENCE E Fax Number: Correspondence will b using a fax number, if Email: Correspondent Name: Address Line 1: Address Line 4:	PATA e sent to ta provided; re So Po M	<i>he e-mail address first; if that is ur if that is unsuccessful, it will be se</i> quest@slwip.com CHWEGMAN LUNDBERG & WOES O BOX 2938	e nt via US Mail. SNER, P.A.
Application Number: CORRESPONDENCE D Fax Number: Correspondence will b using a fax number, if Email: Correspondent Name: Address Line 1: Address Line 4:	PATA e sent to ta provided; re So Po M	<i>he e-mail address first; if that is ur if that is unsuccessful, it will be se</i> quest@slwip.com CHWEGMAN LUNDBERG & WOES O BOX 2938 INNEAPOLIS, MINNESOTA 55402-(e nt via US Mail. SNER, P.A.
Application Number: CORRESPONDENCE D Fax Number: Correspondence will b using a fax number, if Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NUMARE OF SUBMITTER:	PATA e sent to ta provided; re So Po M	he e-mail address first; if that is un if that is unsuccessful, it will be se quest@slwip.com CHWEGMAN LUNDBERG & WOES O BOX 2938 INNEAPOLIS, MINNESOTA 55402-0 4394.F05US1	e nt via US Mail. SNER, P.A.
Application Number: CORRESPONDENCE D Fax Number: Correspondence will b using a fax number, if Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NUNAME OF SUBMITTER: SIGNATURE:	PATA e sent to ta provided; re So Po M	he e-mail address first; if that is un if that is unsuccessful, it will be se quest@slwip.com CHWEGMAN LUNDBERG & WOES O BOX 2938 INNEAPOLIS, MINNESOTA 55402-0 4394.F05US1 LESLIE J. ANTONSEN	e nt via US Mail. SNER, P.A.
Application Number: CORRESPONDENCE D Fax Number: Correspondence will b using a fax number, if Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NUNAME OF SUBMITTER: SIGNATURE: DATE SIGNED:	PATA e sent to ta provided; re So Po M	he e-mail address first; if that is un if that is unsuccessful, it will be se quest@slwip.com CHWEGMAN LUNDBERG & WOES O BOX 2938 INNEAPOLIS, MINNESOTA 55402-0 4394.F05US1 LESLIE J. ANTONSEN /Leslie J. Antonsen/	e nt via US Mail. SNER, P.A.
Application Number: CORRESPONDENCE D Fax Number: Correspondence will b using a fax number, if Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NUNAME OF SUBMITTER: SIGNATURE: DATE SIGNED: Total Attachments: 13 source=4394F05US1reco	PATA e sent to the provided; i re SC PC M JMBER:	he e-mail address first; if that is un if that is unsuccessful, it will be se quest@slwip.com CHWEGMAN LUNDBERG & WOES O BOX 2938 INNEAPOLIS, MINNESOTA 55402-0 4394.F05US1 LESLIE J. ANTONSEN /Leslie J. Antonsen/ 07/31/2018	e nt via US Mail. SNER, P.A.
Application Number: CORRESPONDENCE D Fax Number: Correspondence will b using a fax number, if Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NUME NAME OF SUBMITTER: SIGNATURE: DATE SIGNED: Total Attachments: 13	DATA e sent to ta provided; re S(P(M JMBER:	he e-mail address first; if that is un if that is unsuccessful, it will be se quest@slwip.com CHWEGMAN LUNDBERG & WOESS O BOX 2938 INNEAPOLIS, MINNESOTA 55402-0 4394.F05US1 LESLIE J. ANTONSEN /Leslie J. Antonsen/ 07/31/2018 page1.tif page2.tif	e nt via US Mail. SNER, P.A.
Application Number: CORRESPONDENCE D Fax Number: Correspondence will b using a fax number, if Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NUNAME OF SUBMITTER: SIGNATURE: DATE SIGNED: Total Attachments: 13 source=4394F05US1rect	PATA e sent to the provided; i re SC PC M JMBER:	he e-mail address first; if that is un if that is unsuccessful, it will be se quest@slwip.com CHWEGMAN LUNDBERG & WOES O BOX 2938 INNEAPOLIS, MINNESOTA 55402-0 4394.F05US1 LESLIE J. ANTONSEN /Leslie J. Antonsen/ 07/31/2018	e nt via US Mail. SNER, P.A.

source=4394F05US1recordationcs#page5.tif source=4394F05US1recordationcs#page6.tif source=4394F05US1recordationcs#page7.tif source=4394F05US1recordationcs#page8.tif source=4394F05US1recordationcs#page9.tif source=4394F05US1recordationcs#page10.tif source=4394F05US1recordationcs#page11.tif source=4394F05US1recordationcs#page12.tif source=4394F05US1recordationcs#page12.tif

RECORDATION FORM COVER SHEET PATENTS ONLY

Atty Ref/Docket No.: 4394.F05US1

Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please re	
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):
Brian A. Uthgenannt, Andrew L. Pierce, Richard Detlefsen,	Name: Biomet Manufacturing, LLC
David J Smith	Street Address: 56 East Bell Drive
Additional name(s) of conveying party(ies) attached?	City: <u>Warsaw</u> State: <u>Indiana</u> Zip: <u>46582</u> Country: <u>United States of America</u>
[]Yes [X]No	
3. Nature of conveyance:	Additional name(s) & address(es) attached? []Yes [X]No
 [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other 	
Execution Date: June 7, 2016, December 19, 2016, June 7, 2016, June 8, 2016	
4. Application number(s) or patent number(s):	
If this document is being filed together with a new application, the	execution date of the application is:
A. Patent Application No.(s)	B. Patent No.(s)
Serial No. 15/165,127, filed May 26, 2016	
Additional numbers attached? []Yes [X]No	
5 November 1 - 11-00	6. Total number of applications and patents involved: 1
5. Name and address of party to whom correspondence concerning document should be mailed:	7. Total fee (37 CFR 3.41):\$ 0.00
Name: David L. Buck	[]Enclosed
Address: Schwegman Lundberg & Woessner, P.A.	[]Authorized to be charged to deposit account 19- 0743
P.O. Box 2938 Minneapolis, Minnesota 55402	8. Please charge any additional fees or credit any over
Minicapons, Minicsota 55402	payments to our Deposit Account No.: 19-0743
DO NOT USE T	HIS SPACE
9. Statement and signature. To the best of my knowledge and belief, the foregoing information the original document.	is true and correct and any attached copy is a true copy of

David L. Buck/Reg. No. 62,649	David L. Buck/	July 30, 2018
Name of Person Signing	Signature	Date
	Total number of pages includi	ng cover sheet: <u>13</u>

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks Mail Stop Assignment Recordation Services P.O. Box 1450 Alexandria, VA 22313-1450

We, Brian Uthgenannt, Paul Meyers, Andrew L. Pierce, Richard Detlefsen, David Smith (hereinafter referred to as the "Undersigned"), for good and valuable consideration, receipt, sufficiency, and adequacy whereof is hereby acknowledged, do hereby assign to Biomet Manufacturing, LLC, a Delaware corporation, having an office at 56 East Bell Drive, Warsaw, Indiana 46582 (hereinafter referred to as "Assignee"), the entire right, title and interest in the United States of America, its territories and possessions in and to any and all of the Undersigned's inventions and discoveries in, BEARING TRIAL SYSTEM, as described and claimed in the Undersigned's patent application filed on May 26, 2016, which application was assigned US patent application serial number 15/165,127, in and to any and all patents that issue on the aforesaid patent application, and in and to any divisions, continuations, continuations-in-part, reissues, reexaminations, extensions and renewals thereof, the same to be held and enjoyed by the Assignee, its successors, assigns or other legal representatives, to the full ends of the terms for which all patents therefore may be granted, as fully and entirely as the same would have been held, and enjoyed by us if this assignment had not been made.

The Undersigned hereby warrant and covenant that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or shall be made to others by the Undersigned, and that the full right to convey the same as herein expressed is possessed by the Undersigned. Also, the Undersigned hereby agree that the Undersigned will at any time, upon the request and at the expense of the Assignee, execute and deliver any and all documents that may be necessary or desirable to divide, continue, perfect, confirm, import or register and to reissue the title to the foregoing inventions and discoveries, patent or design applications, and patents and reissues, reexaminations, extensions and renewals thereof in the Assignee, its successors, assigns or other legal representatives, and the Undersigned will make all rightful oaths and do all lawful acts requisite for procuring the same or for aiding therein, without further compensation, but at the expense of the Assignee, its successors, assigns or other legal representatives.

The Undersigned hereby further assign and transfer to the Assignee on the same terms and conditions as aforesaid all of the Undersigned's right, title and interest in and to the above-mentioned

Appianontal

Assignee Docket No.: ZB00021UTL Attorney Docket No.:4394.F05US1

application and the invention and discoveries described therein in all other countries other than the United States of America and with effect for all multi-national organizations for the protection of intellectual property. This full assignment and transfer includes, but is not limited to, the assignment and transfer of the right to file an application for a patent or any other protective right in the Assignee's name, the right to claim priority to the above-identified application under the International Convention for the Protection of Industrial Property or under any other bilateral or multilateral agreement to which the United States of America is now or hereafter becomes a signatory or any other legal provision which allows claiming the priority of the assigned application, and the right to all causes of action, remedies, and other enforcement rights related to the aboveidentified application, including without limitation the right to sue for past, present, or future infringement, misappropriation, or violation of any and all rights related to the above-identified patent application or applications and any of the foregoing, including the right to obtain and collect damages for past, present, or future infringement. The Undersigned also hereby assign to Assignce in all countries of the world any and all of the Undersigned's right, title and interest in and to any and all copyright property appertaining any drawings or other materials relating to the tangible means of expression and illustration of the aforesaid inventions and discoveries.

The Undersigned also hereby agree that this Assignment is to be binding on the heirs, assigns, representatives, and successors of the Undersigned, and is to extend to the benefit of the successors, assigns, and nominees of the Assignee.

This document has been prepared in the English language at the request of the Undersigned.

73432016		
DATE	SIGNATURE	
DATE	SIGNATURE	
DATE	SIGNATURE	
	DATE DATE	DATE SIGNATURE

2

Assignment

Richard Detlefsen	DATE	SIGNATURE
David Smith	DATE	SIGNATURE

We, Brian Uthgenannt, Paul Meyers, Andrew L. Pierce, Richard Detlefsen, David Smith (hereinafter referred to as the "Undersigned"), for good and valuable consideration, receipt, sufficiency, and adequacy whereof is hereby acknowledged, do hereby assign to Biomet Manufacturing, LLC, a Delaware corporation, having an office at 56 East Bell Drive, Warsaw, Indiana 46582 (hereinafter referred to as "Assignee"), the entire right, title and interest in the United States of America, its territories and possessions in and to any and all of the Undersigned's inventions and discoveries in, BEARING TRIAL SYSTEM, as described and claimed in the Undersigned's patent application filed on May 26, 2016, which application was assigned US patent application serial number 15/165,127, in and to any and all patents that issue on the aforesaid patent application, and in and to any divisions, continuations, continuations-in-part, reissues, reexaminations, extensions and renewals thereof, the same to be held and enjoyed by the Assignee, its successors, assigns or other legal representatives, to the full ends of the terms for which all patents therefore may be granted, as fully and entirely as the same would have been held, and enjoyed by us if this assignment had not been made.

The Undersigned hereby warrant and covenant that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or shall be made to others by the Undersigned, and that the full right to convey the same as herein expressed is possessed by the Undersigned. Also, the Undersigned hereby agree that the Undersigned will at any time, upon the request and at the expense of the Assignee, execute and deliver any and all documents that may be necessary or desirable to divide, continue, perfect, confirm, import or register and to reissue the title to the foregoing inventions and discoveries, patent or design applications, and patents and reissues, reexaminations, extensions and renewals thereof in the Assignee, its successors, assigns or other legal representatives, and the Undersigned will make all rightful oaths and do all lawful acts requisite for procuring the same or for aiding therein, without further compensation, but at the expense of the Assignee, its successors, assigns or other legal representatives.

The Undersigned hereby further assign and transfer to the Assignee on the same terms and conditions as aforesaid all of the Undersigned's right, title and interest in and to the above-mentioned

application and the invention and discoveries described therein in all other countries other than the United States of America and with effect for all multi-national organizations for the protection of intellectual property. This full assignment and transfer includes, but is not limited to, the assignment and transfer of the right to file an application for a patent or any other protective right in the Assignee's name, the right to claim priority to the above-identified application under the International Convention for the Protection of Industrial Property or under any other bilateral or multilateral agreement to which the United States of America is now or hereafter becomes a signatory or any other legal provision which allows claiming the priority of the assigned application, and the right to all causes of action, remedies, and other enforcement rights related to the aboveidentified application, including without limitation the right to sue for past, present, or future infringement, misappropriation, or violation of any and all rights related to the above-identified patent application or applications and any of the foregoing, including the right to obtain and collect damages for past, present, or future infringement. The Undersigned also hereby assign to Assignee in all countries of the world any and all of the Undersigned's right, title and interest in and to any and all copyright property appertaining any drawings or other materials relating to the tangible means of expression and illustration of the aforesaid inventions and discoveries.

The Undersigned also hereby agree that this Assignment is to be binding on the heirs, assigns, representatives, and successors of the Undersigned, and is to extend to the benefit of the successors, assigns, and nominees of the Assignee.

This document has been prepared in the English language at the request of the Undersigned.

Assignor[s]:

Brian Uthgenannt	DATE		SIGNATURE	
		/		/
Paul Meyers	DATE		SIGNATURE	
	12/19/2016	/	Andrew L. Pierce	/
Andrew L. Pierce	DATE		SIGNATURE	

Richard Detlefsen	DATE	SIGNATURE
David Smith	DATE	SIGNATURE

We, Brian Uthgenannt, Paul Meyers, Andrew L. Pierce, Richard Detlefsen, David Smith (hereinafter referred to as the "Undersigned"), for good and valuable consideration, receipt, sufficiency, and adequacy whereof is hereby acknowledged, do hereby assign to Biomet Manufacturing, LLC, a Delaware corporation, having an office at 56 East Bell Drive, Warsaw, Indiana 46582 (hereinafter referred to as "Assignee"), the entire right, title and interest in the United States of America, its territories and possessions in and to any and all of the Undersigned's inventions and discoveries in, BEARING TRIAL SYSTEM, as described and claimed in the Undersigned's patent application filed on May 26, 2016, which application was assigned US patent application, and in and to any divisions, continuations, continuations-in-part, reissues, reexaminations, extensions and renewals thereof, the same to be held and enjoyed by the Assignee, its successors, assigns or other legal representatives, to the full ends of the terms for which all patents therefore may be granted, as fully and entirely as the same would have been held, and enjoyed by us if this assignment had not been made.

The Undersigned hereby warrant and covenant that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or shall be made to others by the Undersigned, and that the full right to convey the same as herein expressed is possessed by the Undersigned. Also, the Undersigned hereby agree that the Undersigned will at any time, upon the request and at the expense of the Assignee, execute and deliver any and all documents that may be necessary or desirable to divide, continue, perfect, confirm, import or register and to reissue the title to the foregoing inventions and discoveries, patent or design applications, and patents and reissues, reexaminations, extensions and renewals thereof in the Assignee, its successors, assigns or other legal representatives, and the Undersigned will make all rightful oaths and do all lawful acts requisite for procuring the same or for aiding therein, without further compensation, but at the expense of the Assignee, its successors, assigns or other legal representatives.

The Undersigned hereby further assign and transfer to the Assignee on the same terms and conditions as aforesaid all of the Undersigned's right, title and interest in and to the above-mentioned

Assignment

PATENT REEL: 046509 FRAME: 0201

Assignee Docket No.: ZB00021UTL Attorney Docket No.: 4394.F05US1

application and the invention and discoveries described therein in all other countries other than the United States of America and with effect for all multi-national organizations for the protection of intellectual property. This full assignment and transfer includes, but is not limited to, the assignment and transfer of the right to file an application for a patent or any other protective right in the Assignee's name, the right to claim priority to the above-identified application under the International Convention for the Protection of Industrial Property or under any other bilateral or multilateral agreement to which the United States of America is now or hereafter becomes a signatory or any other legal provision which allows claiming the priority of the assigned application, and the right to all causes of action, remedies, and other enforcement rights related to the aboveidentified application, including without limitation the right to sue for past, present, or future infringement, misappropriation, or violation of any and all rights related to the above-identified patent application or applications and any of the foregoing, including the right to obtain and collect damages for past, present, or future infringement. The Undersigned also hereby assign to Assignee in all countries of the world any and all of the Undersigned's right, title and interest in and to any and all copyright property appertaining any drawings or other materials relating to the tangible means of expression and illustration of the aforesaid inventions and discoveries.

The Undersigned also hereby agree that this Assignment is to be binding on the heirs, assigns, representatives, and successors of the Undersigned, and is to extend to the benefit of the successors, assigns, and nominees of the Assignee.

This document has been prepared in the English language at the request of the Undersigned.

Assignor[s]:

Brian Uthgenannt	DATE	SIGNATURE
Paul Meyers	DATE	SIGNATURE
Andrew L. Pierce	DATE	SIGNATURE

Assignment

PATENT REEL: 046509 FRAME: 0202

Assignee Docket No.: ZB00021UTL Attorney Docket No.:4394.F05US1

Th + 1 / 1 / 1	WTL & FRT. FT.		
Alchard Dettersen	DATE	SIGNATURE	
Richard Detlefsen	DATE	RICHATIN	
	OF JUNE	2016 MIZ MW	

David Smith

DATE

- Cally

SIGNATURE

1.2

Assignment

We, Brian Uthgenannt, Paul Meyers, Andrew L. Pierce, Richard Detlefsen, David Smith (hereinafter referred to as the "Undersigned"), for good and valuable consideration, receipt, sufficiency, and adequacy whereof is hereby acknowledged, do hereby assign to Biomet Manufacturing, LLC, a Delaware corporation, having an office at 56 East Bell Drive, Warsaw, Indiana 46582 (hereinafter referred to as "Assignee"), the entire right, title and interest in the United States of America, its territories and possessions in and to any and all of the Undersigned's inventions and discoveries in, BEARING TRIAL SYSTEM, as described and claimed in the Undersigned's patent application filed on May 26, 2016, which application was assigned US patent application, and in and to any divisions, continuations, continuations-in-part, reissues, reexaminations, extensions and renewals thereof, the same to be held and enjoyed by the Assignee, its successors, assigns or other legal representatives, to the full ends of the terms for which all patents therefore may be granted, as fully and entirely as the same would have been held, and enjoyed by us if this assignment had not been made.

The Undersigned hereby warrant and covenant that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or shall be made to others by the Undersigned, and that the full right to convey the same as herein expressed is possessed by the Undersigned. Also, the Undersigned hereby agree that the Undersigned will at any time, upon the request and at the expense of the Assignee, execute and deliver any and all documents that may be necessary or desirable to divide, continue, perfect, confirm, import or register and to reissue the title to the foregoing inventions and discoveries, patent or design applications, and patents and reissues, reexaminations, extensions and renewals thereof in the Assignee, its successors, assigns or other legal representatives, and the Undersigned will make all rightful oaths and do all lawful acts requisite for procuring the same or for aiding therein, without further compensation, but at the expense of the Assignee, its successors, assigns or other legal representatives.

The Undersigned hereby further assign and transfer to the Assignee on the same terms and conditions as aforesaid all of the Undersigned's right, title and interest in and to the above-mentioned

Assignment

PATENT REEL: 046509 FRAME: 0204

application and the invention and discoveries described therein in all other countries other than the United States of America and with effect for all multi-national organizations for the protection of intellectual property. This full assignment and transfer includes, but is not limited to, the assignment and transfer of the right to file an application for a patent or any other protective right in the Assignee's name, the right to claim priority to the above-identified application under the International Convention for the Protection of Industrial Property or under any other bilateral or multilateral agreement to which the United States of America is now or hereafter becomes a signatory or any other legal provision which allows claiming the priority of the assigned application, and the right to all causes of action, remedies, and other enforcement rights related to the aboveidentified application, including without limitation the right to sue for past, present, or future infringement, misappropriation, or violation of any and all rights related to the above-identified patent application or applications and any of the foregoing, including the right to obtain and collect damages for past, present, or future infringement. The Undersigned also hereby assign to Assignee in all countries of the world any and all of the Undersigned's right, title and interest in and to any and all copyright property appertaining any drawings or other materials relating to the tangible means of expression and illustration of the aforesaid inventions and discoveries.

The Undersigned also hereby agree that this Assignment is to be binding on the heirs, assigns, representatives, and successors of the Undersigned, and is to extend to the benefit of the successors, assigns, and nominees of the Assignee.

This document has been prepared in the English language at the request of the Undersigned.

Assignor[s]:

Brian Uthgenannt	DATE	SIGNATURE
Paul Meyers	DATE	SIGNATURE
Andrew L. Pierce	DATE	SIGNATURE

Assignment

PATENT REEL: 046509 FRAME: 0205

Assignee Docket No.: ZB00021UTL Attorney Docket No.:4394.F05US1

Richard Detlefsen	DATE	SIGNATURE	
	08 JUNE 2016	Det.	
David Smith	DATE	SIGNATURE	

Assignment

PATENT REEL: 046509 FRAME: 0206

RECORDED: 07/31/2018