

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3095843

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DAVID J NEAL	11/20/2013
JOSEPH MARKHAM	10/24/2014
RICHARD JOHN CLARIDGE	10/08/2014
JOHN SHIRK KIRCHNER	10/14/2014
MEHUL DHARIA	11/20/2013
RAY ZUBOK	11/20/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ZIMMER, INC.
<b>Street Address:</b>	1800 W. CENTER STREET
<b>City:</b>	WARSAW
<b>State/Country:</b>	INDIANA
<b>Postal Code:</b>	46580
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>PCT Number:</b>	US2013037758
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Email:</b>	request@slwip.com
<b>Correspondent Name:</b>	SCHWEGMAN LUNDBERG & WOESSNER, P.A.
<b>Address Line 1:</b>	PO BOX 2938
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55402-0938
<b>ATTORNEY DOCKET NUMBER:</b>	4394.855WO1
<b>NAME OF SUBMITTER:</b>	LESLIE J. ANTONSEN
<b>SIGNATURE:</b>	/Leslie J. Antonsen/
<b>DATE SIGNED:</b>	11/05/2014
<b>Total Attachments: 19</b>	
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RECORDATION FORM COVER SHEET  
PATENTS ONLY

Atty Ref/Docket No.: 4394.855WO1

Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

David J. Neal, Joseph Markham, Richard John  
Claridge, John Shirk Kirchner, Mehul Dharia, Ray  
Zubok

Additional name(s) of conveying party(ies) attached?

Yes  No

3. Nature of conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other

Execution Date: November 20, 2013, October 24, 2014,  
October 8, 2014, October 14, 2014, November 20, 2013,  
November 20, 2013

2. Name and address of receiving party(ies):

Name: Zimmer, Inc.

Street Address: 1800 W. Center Street

City: Warsaw State: IN Zip: 46580

Country: United States of America

Additional name(s) & address(es) attached?  Yes  No

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)  
Serial No. PCT/US2013/037758, filed April 23, 2013

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence  
concerning document should be mailed:

Name: Timothy B. Paul

Address:

Schwegman Lundberg & Woessner, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402--0938

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 0.00

Enclosed

Authorized to be charged to deposit account 19-  
0743

8. Please charge any additional fees or credit any over  
payments to our Deposit Account No.: 19-0743

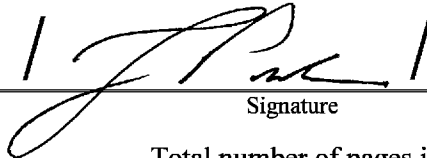
**DO NOT USE THIS SPACE**

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy  
of the original document.

Timothy B. Paul/Reg. No. 51.203

Name of Person Signing



Signature

November 5, 2014

Date

Total number of pages including cover sheet: 19

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**

**PATENT**  
**REEL: 034109 FRAME: 0822**

Serial No.:PCT/US2013/037758

Assignee Docket No.: ZI01128PCT

Attorney Docket No.:4394.855WO1

Title: POROUS SPACERS, INSTRUMENTS, AND METHODS FOR FOOT AND ANKLE FUSION

### ASSIGNMENT

We, David J. Neal, Joseph Markham, Victor Valderrabano, Richard Claridge, John Shirk Kirchner, Mehul Dharia, Ray Zubok (hereinafter referred to as the "Undersigned"), for good and valuable consideration, receipt, sufficiency, and adequacy whereof is hereby acknowledged, do hereby assign to Zimmer, Inc., a New Jersey corporation, having an office at 1800 W. Center Street, Warsaw, IN 46580 (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, POROUS SPACERS, INSTRUMENTS, AND METHODS FOR FOOT AND ANKLE FUSION, as described and claimed in the Undersigned's patent application filed on April 23, 2013, which application was assigned US patent application serial number PCT/US2013/037758, 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

Serial No.:PCT/US2013/037758

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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 above-identified 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.

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Assignor[s]:

\_\_\_\_\_ 11/20/2013  \_\_\_\_\_

David J. Neal

Joseph Markham

DATE

SIGNATURE

Serial No.:PCT/US2013/037758

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Victor Valderrabano	DATE	SIGNATURE
Richard Claridge	DATE	SIGNATURE
John Shirk Kirchner	DATE	SIGNATURE
Mehul Dharja	DATE	SIGNATURE
Ray Zubok	DATE	SIGNATURE

*N/M 11/29/13*

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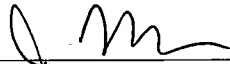
Title: POROUS SPACERS, INSTRUMENTS, AND METHODS FOR FOOT AND ANKLE FUSION

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Assignor[s]:

David J. Neal	DATE	SIGNATURE
Joseph Markham	10/24/2014	
Joseph Markham	DATE	SIGNATURE



Serial No.:PCT/US2013/037758

Assignee Docket No.: ZI01128PCT

Attorney Docket No.:4394.855WO1

Title: POROUS SPACERS, INSTRUMENTS, AND METHODS FOR FOOT AND ANKLE FUSION

Victor Valderrabano	DATE	SIGNATURE
Richard Claridge	DATE	SIGNATURE
John Shirk Kirchner	DATE	SIGNATURE
Mehul Dharia	DATE	SIGNATURE
Ray Zubok	DATE	SIGNATURE

Serial No.:PCT/US2013/037758

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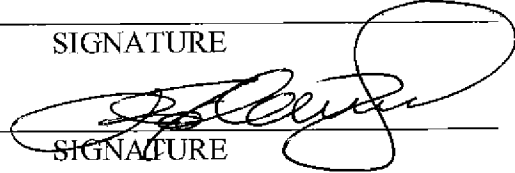
Title: POROUS SPACERS, INSTRUMENTS, AND METHODS FOR FOOT AND ANKLE FUSION

Victor Valderrabano

DATE

SIGNATURE

*6/02/2014*



Richard Claridge

DATE

SIGNATURE

John Shirk Kirchner

DATE

SIGNATURE

Mehul Dharia

DATE

SIGNATURE

Ray Zubok

DATE

SIGNATURE

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Title: POROUS SPACERS, INSTRUMENTS, AND METHODS FOR FOOT AND ANKLE FUSION

Victor Valderrabano	DATE	SIGNATURE
Richard Claridge	DATE	SIGNATURE
John Shirk Kirchner	10-14-14 DATE	 SIGNATURE
Mehul Dharja	DATE	SIGNATURE
Ray Zubok	DATE	SIGNATURE

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Victor Valderrabano	DATE	SIGNATURE
Richard Claridge	DATE	SIGNATURE
John Shirk Kirchner	DATE	SIGNATURE
MEHUL DHARIA	20-NOV-2013	<i>Mehul Dharia</i>
Mehul Dharia	DATE	SIGNATURE
Ray Zubok	DATE	SIGNATURE

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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 above-identified 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]:

_____	_____	_____
David J. Neal	DATE	SIGNATURE
_____	_____	_____
Joseph Markham	DATE	SIGNATURE

Serial No.:PCT/US2013/037758

Assignee Docket No.: ZI01128PCT

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Victor Valderrabano	DATE	SIGNATURE
Richard Claridge	DATE	SIGNATURE
John Shirk Kirchner	DATE	SIGNATURE
Mehul Dharia	DATE	SIGNATURE
Ray Zubok	DATE	SIGNATURE

*Ray Zubok* 11/29/13 *Ray Zubok*