

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2628663

SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>CHRISTOPHER J HUNTER</td> <td>08/05/2013</td> </tr> <tr> <td>OLUDELE O POPOOLA</td> <td>08/07/2013</td> </tr> </tbody> </table>		Name	Execution Date	CHRISTOPHER J HUNTER	08/05/2013	OLUDELE O POPOOLA	08/07/2013
Name	Execution Date						
CHRISTOPHER J HUNTER	08/05/2013						
OLUDELE O POPOOLA	08/07/2013						
RECEIVING PARTY DATA							
Name:	ZIMMER, INC.						
Street Address:	1800 W. CENTER STREET						
City:	WARSAW						
State/Country:	INDIANA						
Postal Code:	46580						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13903322</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13903322		
Property Type	Number						
Application Number:	13903322						
CORRESPONDENCE DATA							
Fax Number:							
Email:	request@slwip.com						
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>							
Correspondent Name:	SCHWEGMAN, LUNDBERG & WOESSNER, P.A.						
Address Line 1:	PO BOX 2938						
Address Line 4:	MINNEAPOLIS, MINNESOTA 55402-0938						
ATTORNEY DOCKET NUMBER:	4394.028US1						
NAME OF SUBMITTER:	LESLIE J. ANTONSEN						
Signature:	/Leslie J. Antonsen/						
Date:	11/26/2013						
Total Attachments: 3 source=4394028us1RECORDATIONCS#page1.tif source=4394028us1RECORDATIONCS#page2.tif source=4394028us1RECORDATIONCS#page3.tif							

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RECORDATION FORM COVER SHEET
PATENTS ONLY

Atty Ref/Docket No.: 4394.028US1

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):

Christopher J. Hunter, Oludele O. Popoola

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

Yes No

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: August 5, 2013, August 7, 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. 13/903,322, filed May 28, 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): \$ 40.00

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

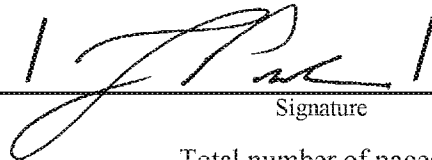
DO NOT USE THIS SPACE

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 25, 2013

Date

Total number of pages including cover sheet: 3

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: 031675 FRAME: 0076

Serial No.:13/903,322
Title: ANISOTROPIC POROUS SCAFFOLDS

Assignee Docket No.: ZI00907UTL
Attorney Docket No.:4394.028US1

ASSIGNMENT

We, Christopher J. Hunter, Oludele O. Popoola (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, ANISOTROPIC POROUS SCAFFOLDS, as described and claimed in the Undersigned's patent application filed on May 28, 2013, which application was assigned US patent application serial number 13/903,322, 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-

Serial No.:13/903,322
Title: ANISOTROPIC POROUS SCAFFOLDS

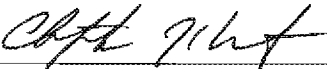
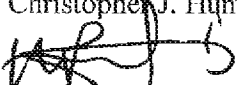
Assignee Docket No.: ZI00907UTL
Attorney Docket No.:4394.028US1

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]:

	5 AUGUST 2013	
Christopher J. Hunter	DATE	SIGNATURE
	8/7/2013	
Oludele O. Popoola	DATE	SIGNATURE