504078413 11/02/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4125080

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHRISTOPHER J. HOLT	06/30/2015
MICHAEL CORDONNIER	11/08/2013
DIMITRI PROTOPSALTIS	12/16/2013
WILLIAM DANIEL	11/26/2013
AMBER LENZ	11/26/2013
TERRANCE STROHKIRCH	11/20/2013

RECEIVING PARTY DATA

Name:	ZIMMER, INC
Street Address:	1800 W. CENTER STREET
City:	WARSAW
State/Country:	INDIANA
Postal Code:	46580

PROPERTY NUMBERS Total: 1

Property Type	Number
PCT Number:	US2012068226

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: request@slwip.com

Correspondent Name: SCHWEGMAN LUNDBERG & WOESSNER, P.A.

Address Line 1: P.O. BOX 2938

Address Line 4: MINNEAPOLIS, MINNESOTA 55402-0938

ATTORNEY DOCKET NUMBER:	4394.493WO1
NAME OF SUBMITTER:	DUWANA TWOBULLS
SIGNATURE:	/Duwana Twobulls/
DATE SIGNED:	11/02/2016

Total Attachments: 7

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PATENT REEL: 040198 FRAME: 0589

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PATENT REEL: 040198 FRAME: 0590

RECORDATION FORM COVER SHEET PATENTS ONLY

Atty Ref/Docket No.: 4394.493WO1 Patent and Trademark Office To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof. Name and address of receiving party(ies): 1. Name of conveying party(ies): Name: Zimmer, Inc. Christopher J. Holt, Michael Cordonnier, Dimitri Street Address: 1800 W. Center Street Protopsaltis, William Daniel, Amber Lenz, Terrance Strohkirch City: Warsaw State: IN Zip: 46580 Additional name(s) of conveying party(ies) attached? Country: United States of America []Yes [X]No Additional name(s) & address(es) attached? []Yes [X]No 3. Nature of conveyance: [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other Execution Date: <u>June 30, 2015, November 8, 2013,</u> December 16, 2013, November 26, 2013, November 26, 2013, November 20, 2013 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. PCT/US2012/068226, filed December 6, 2012 Additional numbers attached? []Yes [X]No 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: Karen G. Biagi [[Enclosed [Authorized to be charged to deposit account 19-Address: 0743 Schwegman Lundberg & Woessner, P.A. P.O. Box 2938 8. Please charge any additional fees or credit any over Minneapolis, MN 55402--0938 payments to our Deposit Account No.: 19-0743 DO NOT USE THIS SPACE 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. Karen G. Biagi/ Signature Karen G. Biagi/Reg. No. 55,891 Name of Person Signing Total number of pages including cover sheet: 7

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: 040198 FRAME: 0591

Assignee Docket No.: ZI00832PCT Attorney Docket No.:4394.493WO1

Serial No.:PCT/US2012/068226

Title: SPACER MOLD FOR ORTHOPEDIC IMPLANTS

ASSIGNMENT

We, Christopher J. Holt, Michael Cordonnier, Dimitri Protopsaltis, William Daniel, Amber Lenz, Terrance Strohkirch, Philip Gilbert (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, SPACER MOLD FOR ORTHOPEDIC IMPLANTS, as described and claimed in the Undersigned's patent application filed on December 6, 2012, which application was assigned US patent application serial number PCT/US2012/068226, 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.

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Assignment

Assignee Docket No.: ZI00832PCT

Serial No.:PCT/US2012/068226 Attorney Docket No.:4394.493WO1

Title: SPACER MOLD FOR ORTHOPEDIC IMPLANTS

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 abovementioned 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]:			
	30-Jule-2015	Mui Hart	
Christopher J. Holt	DATE	SIGNA/TURE	
Michael Cordonnier	DATE	SIGNATURE	

Assignment

Assignee Docket No.: ZI00832PCT Attorney Docket No.:4394.493WO1

Title: SPACER MOLD FOR ORTHOPEDIC IMPLANTS

Serial No.:PCT/US2012/068226

Dimitri Protopsaltis	DATE	SIGNATURE	
William Daniel	DATE	SIGNATURE	
Amber Lenz	DATE	SIGNATURE	
Terrance Strohkirch	DATE	SIGNATURE	
Philip Gilbert	DATE	SIGNATURE	

Assignee Docket No.: ZI00832PCT Attorney Docket No.:4394.493W01

Serial No.:PCT/US2012/068226

30Hai No..i VI/US2012/000220

Title: SPACER MOLD FOR ORTHOPEDIC IMPLANTS

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 abovementioned 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]:

Christopher J. Holt DATE SIGNATURE

Michael Cordonnier US 2013

Michael Cordonnier DATE SIGNATURE

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Assignment

Assignee Docket No.: ZI00832PCT Attorney Docket No.:4394.493W01

Serial No.:PCT/US2012/068226

Title: SPACER MOLD FOR ORTHOPEDIC IMPLANTS

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. Acres	Dimitri Protopsaltis	/ DATE	SIGNATURE
	Willam Blamiel	11/24/2013	William B. Sail
_	William Daniel	DATE	SIGNATURE
	Amber Lenz	20 NOV 2013	Ambu Lenz
	Amber Lenz	DATE	SIGNATURE J
-	Terrance Strohkirch	DATE	SIGNATURE
-	Philip Gilbert	DATE	SIGNATURE

Assignee Docket No.: ZI00832PCT

Serial No.:PCT/US2012/068226 Attorney Docket No.:4394.493WO1

Title: SPACER MOLD FOR ORTHOPEDIC IMPLANTS

Dimitri Protopsaltis	DATE	SIGNATURE
William Daniel	DATE	SIGNATURE
Amber Lenz	DATE	SIGNATURE
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Terrance Strohkirch	DATE	SIGNATURE
Philip Gilbert	DATE	SIGNATURE