PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4066324

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JASON BLAIN	09/01/2016
GREGORY MARTIN	08/31/2016
CHARLES C. NEWTON	09/07/2016
HYUN BAE	08/24/2016

RECEIVING PARTY DATA

Name:	SPINAL ELEMENTS, INC.	
Street Address:	3115 MELROSE DRIVE	
Internal Address:	SUITE 200	
City:	CARLSBAD	
State/Country:	CALIFORNIA	
Postal Code:	92010	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15245664

CORRESPONDENCE DATA

Fax Number: (949)760-9502

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.

Phone: 9497600404

Email: EFILING@KNOBBE.COM

Correspondent Name: KNOBBE, MARTENS, OLSON & BEAR, LLP

Address Line 1: 2040 MAIN STREET

Address Line 2: 14TH FLOOR

Address Line 4: IRVINE, CALIFORNIA 92614

Total Attachments, 5	
DATE SIGNED:	09/23/2016
SIGNATURE:	/Devanie DuFour/
NAME OF SUBMITTER:	DEVANIE DUFOUR
ATTORNEY DOCKET NUMBER:	QORTHO.114D1

Total Attachments: 5

PATENT REEL: 040133 FRAME: 0290



PATENT REEL: 040133 FRAME: 0291 Application No.: 14/491820 Docket Number: QORTHO.114A Filing Date: September 19, 2014 Page 1 of 5

ASSIGNMENT

WHEREAS, Jason Blain, residing at Encinitas, CA, Gregory Martin, residing at Encinitas, CA, Charles C. Newton, residing at San Diego, CA, and Hyun Bae, residing at Santa Monica, CA (individual(s) hereinafter "ASSIGNOR") invented certain new and useful improvements, technology, inventions, developments, ideas, ornamental design or discoveries related to METHOD OF PLACING AN IMPLANT BETWEEN BONE PORTIONS (collectively hereinafter referred to as the "Work") for which an application for Letters Patent in the United States has been prepared for filing (identified above) with the United States Patent and Trademark Office (hereinafter the "Application").

AND WHEREAS, Spinal Elements, Inc., a California Corporation, having an address at 3115 Melrose Drive, Suite 200, Carlsbad, CA 92010 (hereinafter the "ASSIGNEE"), desires to acquire the entire right, title, and interest in and to the Application and the Work:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged. ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in the Application and the Work, including all provisional applications relating thereto (including but not limited to U.S. Provisional Application No(s), 61/883911, filed September 27, 2013 (respectively if plural applications)), and all nonprovisional applications claiming priority thereto. including, all divisions, continuations, continuations-in-part, reissues, and reexaminations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and any related Letters Patent which may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals and reissues thereof; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all related Letters Patent to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Work, and testify in any legal proceeding, assist in the preparation of any other provisional or non-provisional applications relating to the Application and the Work or any improvements made thereto, sign all lawful papers, authorize the filing of and execute and make all rightful caths and/or declarations in connection with the Application and the Work including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Work in all countries.

PATENT REEL: 040133 FRAME: 0292

Application No.: 14/491820 Filing Date: September 19, 2014	Docket Number: QORTHO.114A Page 2 of 5
Santananan gerangan andara da	รางจะการตั้งสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสามารถสา
Legal Name of inventor: Jason Blain	
Signature	
Name of Witness to Inventor's Signature	Mike B. Crowford
Signature of Witness	Dil B. Cauful
Date	9/1/14
Title	Administrative Assistant
Company	Spinal Elements, Inc.
Name of Witness to Inventor's Signature	Grayary Marka
Signature of Witness	A company 20 material control of the
Date	9/1/16
Title	Director of Product Development
Company	Spinal Elements, Inc.

Application No.: 14/491820 Filing Date: September 19, 2014	Docket Number: QORTHO.114A Page 3 of 5
Legal Name of Inventor: Gregory Martin	
Signature	Language Backer
Name of Witness to Inventor's Signature	Niki B Crawford
Signature of Witness	- Yha B. Careford
Date	8/3///
Title	Administrative Assistant
Company	Spinal Elements, Inc.
Name of Witness to Inventor's Signature	Lang Pak
Signature of Witness	<u> </u>
Date	\$/37/2016
Title	Director of IP
Company	Spinal Elements, Inc.

Application No.: 14/4 Filing Date: Septemb		Docket Number: QORTHO.114A Page 4 of 5
Legal Name of inven	itor: Charles C. Nev	vion
Signature:	Signal Signal	Date: <u>০৭/০৭/৯০/৫</u> Jure before a Notary is desirable but not required.
VERIFIES ON DOCUMENT 1	LY THE IDENTITY (TO WHICH THIS CE	OFFICER COMPLETING THIS CERTIFICATE OF THE INDIVIDUAL WHO SIGNED THE RTIFICATE IS ATTACHED, AND NOT THE OR VALIDITY OF THAT DOCUMENT.
STATE OF CALIFOR	NIA } ss.	
personally appeared C to be the person(s) wh acknowledged to me t capacity(ies), and that	nose name(s) is/are : hat he/she/they exec by his/her/their sign	notary public, ho proved to me on the basis of satisfactory evidence subscribed to the within instrument, and cuted the same in his/her/their authorized ature(s) on the instrument the person(s), or the entity executed the instrument.
I certify under PENAL foregoing paragraph is		der the laws of the State of California that the
WITNESS my hand ar	nd official seal.	

Notary Signature

[SEAL]

Application No.: 14/491820 Filing Date: September 19, 2014	Docket Number: QORTHO.114 Page 5 of
Legal Name of inventor: Hyun B	ae
Signature:	ME Date: 8/24/2016
	Signature before a Notary is desirable but not required.
VERIFIES ONLY THE IDE	THER OFFICER COMPLETING THIS CERTIFICATE NTITY OF THE INDIVIDUAL WHO SIGNED THE THIS CERTIFICATE IS ATTACHED, AND NOT THE RACY, OR VALIDITY OF THAT DOCUMENT.
STATE OF CALIFORNIA	
COUNTY OF	s.
person(s) whose name(s) is/are s that he/she/they executed the sar	e,, notary public, no proved to me on the basis of satisfactory evidence to be the ubscribed to the within instrument, and acknowledged to me ne in his/her/their authorized capacity(ies), and that by strument the person(s), or the entity upon behalf of which the rument.
I certify under PENALTY OF PER foregoing paragraph is true and countries with the second seco	
IOTAL 1	Notary Signature
[SEAL]	

PATENT REEL: 040133 FRAME: 0296

RECORDED: 09/23/2016

23959450