504708877 12/29/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4755599

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
WILLIAM DUFFIELD	08/27/2015
KATHERINE ELIZABETH BROWN	08/27/2015

RECEIVING PARTY DATA

Name:	INSTITUTE FOR MUSCULOSKELETAL SCIENCE AND EDUCATION, LTD.	
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State/Country:	PENNSYLVANIA	
Postal Code:	19087	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15194323

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ATTORNEY DOCKET NUMBER:	138-1018
NAME OF SUBMITTER:	JEREMY T. THISSELL
SIGNATURE: / Jeremy T. Thissell, Reg.# 56065 /	
DATE SIGNED:	12/29/2017

Total Attachments: 6

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IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Appln. No. : 15/194,323 Confirmation No. 4173

Applicant : William Duffield et al.

Filed : 6/27/2016

Title : Interbody Fusion Device and System for Implantation

TC/A.U. : 3733

Examiner : David C. Comstock

Attorney Docket No.: 138-1018

Customer No. : 36163

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

TRANSMITTAL ACCOMPANYING ASSIGNMENT FROM PROVISIONAL APPLICATION 2

Sir:

This Assignment specifying provisional patent application number 62/210,707 was previously recorded under provisional patent application number 62/210,707 at reel/frame 036444/0517. Applicant submits this assignment for recordation with respect to non-provisional patent application number 15/194,323, which claims priority to, and includes the content of, provisional patent application number 62/210,707 mentioned in the Assignment.

This Assignment is applied (effective) to non-provisional patent application number 15/194,323, as explained in MPEP 306.01, and as specified in the Assignment, which explicitly transfers all rights in "all Letters Patent of the United States and its territories and all foreign countries and jurisdictions which may or

Appln. No. 15/194,638 Atty Ref. No. 138-1018

shall be granted on said invention(s) [disclosed in the listed provisional application(s)], or on said application(s), or any provisional, divisional, continuation, reissue, or other applications based thereon."

Applicant does not believe any fee is required with this submission. However, any extension of time necessary to prevent abandonment is hereby requested, and any fee necessary for consideration of this submission is hereby authorized to be charged to Deposit Account Number 502846.

Respectfully submitted,

PLUMSEA LAW GROUP, LLC

Date: December 29, 2017 By: / Jeremy T. Thissell /

Jeremy T. Thissell

Registration Number: 56,065

Telephone number: 301-365-9040

ASSIGNMENT

We, William Duffield of 109 Magnolia Court, Collegeville, Pennsylvania 19426, and Katherine Elizabeth Brown of 850 Shavertown Road, Garnet Valley, Pennsylvania 19060, for good and valuable consideration from Institute for Musculoskeletal Science and Education, Ltd., a corporation of the state of Pennsylvania, having its principal place of business at 418 E. Lancaster Avenue, Suite 201, Wayne, Pennsylvania, 19087 (hereinafter "said Assignee"), the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said Assignee, its successors and assigns, the entire interest for the United States of America, and its territories and all foreign countries and jurisdictions, including all rights of priority under the International Convention for the Protection of Industrial Property, in (1) a certain invention(s) and/or improvement(s) in "Anterior Lumbar Interbody Fusion Device and System for Implantation" described in U.S. Provisional Application No. 62/210,707 filed in the United States Patent and Trademark Office on August 27, 2015, by William Duffield and Katherine Elizabeth Brown. (2) U.S. Provisional Application No. 62/210,707 filed August 27, 2015, and (3) all Letters Patent of the United States and its territories and all foreign countries and jurisdictions which may or shall be granted on said invention(s), or on said application(s), or any provisional, divisional, continuation, reissue, or other applications based thereon. We agree, for ourselves and our executors and administrators, with said Assignee and its successors and assigns, but at its or their expense or charges, hereafter to execute all applications, amended specifications, deeds or other instruments, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and its territories and in all other foreign countries and jurisdictions to said Assignee, with specifications and claims in such form as shall be approved by the counsel of said

45205539 I IMSE (11 (2)

U.S.S.N. 62/210,707

Title: "Anterior Lumbar Interbody Fusion Device and System for Implantation "

By: William Duffield and Katherine Elizabeth Brown

Filed: August 27, 2015

ASSIGNMENT

Assignee, and to vest and confirm in said Assignee, its successors and assigns, the legal title to all such patents.

We do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said Assignee, its successors and assigns.

We each individually do hereby state (1) that the application(s) was made or was authorized to be made by each of us and (2) that we each believe ourselves to be the original inventor or joint inventor of a claimed invention in the application(s).

We each individually do hereby authorize Assignee's attorney to correct any typographical errors on this form, if necessary, and to complete this form by the addition of the application number(s), application filing date(s), and attorney docket number(s), if necessary.

2

45205539

IMSE 111 (2)

U.S.S.N. 62/210,707

Title: "Anterior Lumbar Interbody Fusion Device and System for Implantation "
By: William Doffield and Kathorine Elizabeth Brown

Filed: August 27, 2015 ASSIGNMENT

WITNESS my hand and seal this 27th day of AVG/ST

Witnes	38883
1.	Signed: Query Pharine
	Printed Name: <u>Doorlash Heinz</u>
	Address: 402 Tanyard Rd
	Richbood PA 18957
2.	Signed: // / // / / / / / / / / / / / / / / /

3

IMSE 111 (2)

U.S.S.N. 62/210,707

Title: "Anterior Lumbar Interbody Fusion Device and System for Implantation "

By: William Duffield and Katherine Elizabeth Brown

Filed: August 27, 2015

ASSIGNMENT

WITNESS my hand and seal this 27 day of 10 6, 2015.

Katherine Elizabeth Brown

With	esses:
1.	Signed: LCZZ
	Printed Name: KYAN GAFFNEY
	Address: 1104 BARBARAS CT
	NORTH WALES PA 19454
	Sa Carali Si
2.	Signed: Classification Signed:
	Printed Name: EDWARD J. MC SUANE III
	Address: 163 PENNAPACKER RO.
	COLLEGEVILLE, PA 19426

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RECORDED: 12/29/2017

4

EMSE 111 (2)