#### 10/06/2017 504582946

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date	
EDWARD J. MCSHANE III	09/18/2017	
CHRISTOPHER J. RYAN	09/25/2017	

### **RECEIVING PARTY DATA**

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State/Country:	PENNSYLVANIA
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# **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15334022

#### CORRESPONDENCE DATA

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NAME OF SUBMITTER:	JESSE B. STONE
SIGNATURE:	/ Jesse B. Stone /
DATE SIGNED:	10/06/2017

**Total Attachments: 1** 

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**PATENT** REEL: 043802 FRAME: 0601 504582946

Attorney Docket: 138-1007

# **ASSIGNMENT**

WHEREAS, Edward J. McShane, III, a citizen of the United States of America, residing at Collegeville, Pennsylvania, U.S.A., and Christopher J. Ryan, a citizen of the United States of America, residing at Lincoln University, Pennsylvania, U.S.A.; hereinafter (collectively) referred to as the Assignor, have invented certain new and useful improvements in:

Implant With Protected Fusion Zones

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for which an a	the Declaration said applicated 10/25/2016 as said applications.	Letters Patent of the lon for said application ion having been file accorded Serial Non having been filed to Application No.	n executed ed in the lumber <u>15/</u> under the l	on even date United State 334,022, and Patent Coope	e herewith; es Patent a was amend ration Treat	led on (i <sup>·</sup> y on	f applicable	·); 
WHE	REAS,	Institute for Musculd 418 E. Lancaster Av Wayne, PA 19087		cience and E	ducation, Lt	d.		
aforesaid invegranted there NOW assign, and exclusive righany and all L and in any and thereof; AND s proper officer AND s assigned and herewith; AND s me/us respect lawful documadministrative	ention and in an efor;  THEREFORE, transfer unto to the invention etters Patent with all foreign consaid Assignor at a cor agency of an esting said inventionents and make proceeding ar eatent in the University.	e Assignee, is desirond to any Letters Pat for good and valuate Assignee, its succession as described in savhich may be granted ountries and in and to uthorizes and request yarrants and covenance not executed and agrees to communication, to execute all diving all rightful oaths and generally do every ited States or any formatic and to any formatic and to execute all of the same agrees or any formatic and generally do every ited States or any formatic and to any formatic any formatic and to any formatic and to any formatic any formati	tent of the able consinuccessors, aid applicated therefore any and a sts the Consistent I/W distribution will not the to said visional, correlating to other thing possible eigh count	United States deration the legal repres tion, and the in the United all divisions, re missioner of ers Patent to e have full rig execute any Assignee or i ntinuation, re said inventi sible to aid the ry when requ	Assignor besentatives a entire right, States and eissues, con Patents and said Assigned to conversate and formal said Assigned to conversate and formal said Assigned to esaid	eign country these property these property title and interest the entire or assignment that it is the entire or assignment that it is the entire or assignment that it is the entire or assignment in the entire of a specific that it is the entire or assignment in the entire of a specific that is th	y which manager which manager was a second with the second win	sell, and to sions sions other erein nflict wn to gn all all or
	IN WITNE	ESS WHEREOF, I/We	e have her	eunto set my/	our hand ar	nd seal.		
Date:1 &	SEP2017		Signatui Name:	e: Edward J. M	McShane, III	ush		
Date:	09/25/	17	Signatur Name:	e: Christopher	J. Ryan	16hz	_	

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