PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3990307

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MICHAEL O'NEIL	07/28/2016
J. RILEY HAWKINS	07/28/2016

RECEIVING PARTY DATA

Name:	DEPUY SYNTHES PRODUCTS, INC.	
Street Address:	325 PARAMOUNT DRIVE	
City:	RAYNHAM	
State/Country:	MASSACHUSETTS	
Postal Code:	02767	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15073226

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: mvisconti@nutter.com

Correspondent Name: NUTTER MCCLENNEN & FISH LLP

Address Line 1: 155 SEAPORT BLVD
Address Line 2: SEAPORT BLVD

Address Line 4: BOSTON, MASSACHUSETTS 02210

ATTORNEY DOCKET NUMBER:	101896-1787	
NAME OF SUBMITTER:	MICHAEL P. VISCONTI, III	
SIGNATURE:	/Michael P. Visconti, III/	
DATE SIGNED:	08/03/2016	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 4

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PATENT REEL: 039325 FRAME: 0876

Attorney Docket No.: <u>101896-1787(DSP5201USNP)</u>

COMBINED DECLARATION AND ASSIGNMENT		
 Title of Invention: TISSUE REMOVAL DEVI	CES AND METHODS	
This declaration and assignment is directed to:	The attached or filed herewith application of (list of named inventors),	
or	· · · · · · · · · · · · · · · · · · ·	
	The United States application or PCT international application number <u>15/073,226</u> filed on <u>March 17, 2016</u> .	
Declaration		
As the below named inventor, I hereby decl	are that:	
The above-identified application ("Applicat	ion") was made or authorized by me.	
I believe that I am the original inventor or a	n original inventor of a claimed invention or discovery in the Application.	
	nts of the Application, including the claims, and I acknowledge the duty to disclose fined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of	
	e statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or for filings of this Application in the United States of America.	
Assignment		
I hereby acknowledge that I have assigned hereby conformed for recordation in the US Patent O	d the above-identified invention by previous assignment (attached hereto) which is ffice.	
or		
For good and valuable consideration, the assigned and transferred to:	sufficiency of which is acknowledged, I hereby assign and transfer and/or have	
·	DePuy Synthes Products, Inc. aramount Drive, Raynham, MA 02767	
	(Name and Address)	
(hereinafter designated as the "Assignee"), my entire for other countries arising therefrom and the right to any and all Letters Patent of the United States, Einventions or discoveries, or any of them, all such provisionals, substitutions, divisions, and continuated discoveries, and in and to all extensions, supplement and enjoyed by Assignee for its own use and enjoym as fully and entirely as the same would have been held. I shall execute all papers necessary in connection with Office, any other patent offices, and under the Patent	eright, title, and interest in, to, and under the Application, including all priority rights claim priority to the Application, all inventions or discoveries therein disclosed, and suropean Patent Office and of all other countries, which may be granted for such inventions or discoveries and all rights in such Application including any and all ions thereof, and to all Letters Patent that may be granted for said inventions and ary protection certificates, reexaminations, renewals, and reissues thereof, to be held ent to the full end of the term or terms for which such Letters Patent may be granted, id and enjoyed by me had this assignment and sale not been made. The Application in the United States Patent and Trademark Office, European Patent t Cooperation Treaty, and any continuing, divisional, or reissue applications thereof,	
	d any patent term extensions or supplementary protection certificates of any such nts in connection with such applications as the Assignee may deem necessary or	
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PATENT REEL: 039325 FRAME: 0877

Attorney Docket No.: 101896-1787(DSP5201USNP)

I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

I shall execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

I shall do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States, by the European Patent Office and in all other countries where Assignee may desire to have such inventions or discoveries, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

LEGAL NAME OF INVENTOR

Signature

(Michael O'Neil)

3116380.1

Date

Attorney Docket No.: <u>101896-1787(DSP5201USNP)</u>

COMBINED DECLARATION AND ASSIGNMENT

Title of Invention: TISSUE REMO		VICES AND METHODS
This declaration and assignment is direct	ed to:	The attached or filed herewith application of (list of named inventors),
	or	
		The United States application or PCT international application number <u>15/073,226</u> filed on <u>March 17, 2016</u> .
Declaration		
As the below named inventor, I	hereby de	eclare that:
The above-identified application	ı ("Applic	cation") was made or authorized by me.
I believe that I am the original in	iventor or	r an original inventor of a claimed invention or discovery in the Application.
	bility as d	tents of the Application, including the claims, and I acknowledge the duty to disclose defined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
		lse statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or oth for filings of this Application in the United States of America.
Assignment		
I hereby acknowledge that I hat I has thereby conformed for recordation in the U		ned the above-identified invention by previous assignment (attached hereto) which is Office.
or		
For good and valuable considents assigned and transferred to:	ration, th	ne sufficiency of which is acknowledged, I hereby assign and transfer and/or have
	<u>325</u>	DePuy Synthes Products, Inc. <u>Paramount Drive, Raynham, MA 02767</u>
	A corp	(Name and Address) coration of the state or country of <u>Delaware</u>
for other countries arising therefrom and any and all Letters Patent of the United inventions or discoveries, or any of their provisionals, substitutions, divisions, and discoveries, and in and to all extensions, and enjoyed by Assignee for its own use as fully and entirely as the same would have a shall execute all papers necessary in con-	the right of the right of the states, m, all such discontinuates and enjoy are been honection when the states of t	ire right, title, and interest in, to, and under the Application, including all priority rights to claim priority to the Application, all inventions or discoveries therein disclosed, and European Patent Office and of all other countries, which may be granted for such the inventions or discoveries and all rights in such Application including any and all ations thereof, and to all Letters Patent that may be granted for said inventions and entary protection certificates, reexaminations, renewals, and reissues thereof, to be held ment to the full end of the term or terms for which such Letters Patent may be granted, neld and enjoyed by me had this assignment and sale not been made.
any reexamination of any of such appli	cations, a	ent Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, and any patent term extensions or supplementary protection certificates of any such ments in connection with such applications as the Assignee may deem necessary or

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PATENT REEL: 039325 FRAME: 0879

Attorney Docket No.: 101896-1787(DSP5201USNP)

I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

I shall execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

I shall do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States, by the European Patent Office and in all other countries where Assignee may desire to have such inventions or discoveries, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

LEGAL NAME OF INVENTOR

Signature-

(I) Riley Hawkins

3116383.1

2