505929848 02/21/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5976566

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
SEQUENCE:	1

CONVEYING PARTY DATA

Name	Execution Date
JOSHUA D. TALBERT	06/20/2019
DONALD M. WICHERN	06/20/2019

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 6

Property Type	Number
Application Number:	16797767
Application Number:	16797772
Application Number:	16797781
Application Number:	16797788
Application Number:	16797792
Application Number:	16797799

CORRESPONDENCE DATA

Fax Number: (801)852-8203

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: 8018547675

Email:docket@techlawventures.comCorrespondent Name:TERRENCE J. EDWARDSAddress Line 1:3290 WEST MAYFLOWER AVE.

Address Line 4: LEHI, UTAH 84043

ATTORNEY DOCKET NUMBER:	END-0017.NP1-NP6
NAME OF SUBMITTER:	TERRENCE J. EDWARDS
SIGNATURE:	/Terrence J. Edwards/

PATENT 505929848 REEL: 051892 FRAME: 0528

DATE SIGNED:	02/21/2020
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 4	
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source=Dec_Assign_Talbert_END0017PO_signed#page2.tif	
source=Dec_Assign_Wichern_END0017PO_signed#page1.tif	
source=Dec_Assign_Wichern_END0017PO_signed#page2.tif	

PATENT REEL: 051892 FRAME: 0529

COMBINED DECLARATION AND ASSIGNMENT

Title of Invention: CONTROLLING INTEGRAL ENERGY OF A LASER PULSE IN A HYPERSPECTRAL AND FLUORESCENCE IMAGING
This declaration and assignment is directed to: The attached or filed herewith application of Joshua D. Talbert and Donald M. Wichern,
or
The United States application or PCT international application number 62/864,236 filed on June 20, 2019.
Declaration
As the below named inventor, I hereby declare that:
The above-identified application ("Application") was made or authorized by me.
I believe that I am the original inventor or an original inventor of a claimed invention or discovery in the Application.
I have reviewed and understood the contents of the Application, including the claims, and I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of this Application in the United States of America.
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both for filings of this Application in the United States of America.
Assignment
I hereby acknowledge that I have assigned the above-identified invention by previous assignment (attached hereto) which is hereby conformed for recordation in the US Patent Office.
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Por good and valuable consideration, the sufficiency of which is acknowledged. I hereby assign and transfer and/or have assigned and transferred to:
DEPUY SYNTHES PRODUCTS, INC. 325 Paramount Drive Raynham, MA 02767
A corporation of the state of Delaware
(hereinafter designated as the "Assignee"), my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom and the right to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United States, European Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of them, all such inventions or discoveries and all rights in such Application including any and all provisionals, substitutions, divisions, and continuations thereof, and to all Letters Patent that may be granted for said inventions and discoveries, and in and to all extensions, supplementary protection certificates, reexaminations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made.
I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Patent Office, any other patent offices, and under the Patent Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, any reexamination of any of such applications, and any patent term extensions or supplementary protection certificates of any such

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applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

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.

June 20, 2019
Date

LEGAL NAME OF INVENTOR

COMBINED DECLARATION AND ASSIGNMENT

Title of Invention: CONTROLLING P	ITEGRAL ENERGY OF A LASER PULSE IN A HYPERSPECTRAL AND	
This declaration and assignment is directed to:		
Wich	The attached or filed herewith application of Joshua D. Talbert and Donald M. ern,	
or		
	The United States application or PCT international application number 62/864,236 filed on June 20, 2019.	
Declaration		
As the below named inventor, I hereby de-	clare that:	
The above-identified application ("Application)	ation") was made or authorized by me.	
I believe that I am the original inventor or	an original inventor of a claimed invention or discovery in the Application.	
I have reviewed and understood the contribution which is material to patentability as dithis Application in the United States of America.	ents of the Application, including the claims, and I acknowledge the duty to disclose efined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of	
I hereby acknowledge that any willful fals imprisonment of not more than five (5) years, or bo	se statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or the 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 (ed the above-identified invention by previous assignment (attached hereto) which is Office.	
or		
For good and valuable consideration, the assigned and transferred to:	sufficiency of which is acknowledged, I hereby assign and transfer and/or have	
1 63	FUV SYNTHES PRODUCTS, INC. 325 Paramount Drive Raynbam, MA 02767	
*	corporation of the state of Delaware	
any and all Letters Patent of the United States, I inventions or discoveries, or any of them, all such provisionals, substitutions, divisions, and continuat discoveries, and in and to all extensions, supplemen and enjoyed by Assignee for its own use and enjoyn as fully and entirely as the same would have been he	e right, title, and interest in, to, and under the Application, including all priority rights o 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 inventions or discoveries and all rights in such Application including any and all dions thereof, and to all Letters Patent that may be granted for said inventions and tary protection certificates, reexaminations, renewals, and reissues thereof, to be held bent 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.	
I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Patent Office, any other patent offices, and under the Patent Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, any reexamination of any of such applications, and any patent term extensions or supplementary protection certificates of any such		

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REEL: 051892 FRAME: 0532

applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

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

Donald M. Wichern

June 20, 2019

Date

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REEL: 051892 FRAME: 0533