505177620 11/06/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5224388

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
THOMAS E. WOGOMAN	01/16/2018
DANIEL E. LASHURE	01/15/2018
NATHAN C. REEDER	01/16/2018

RECEIVING PARTY DATA

Name:	DEPUY SYNTHES PRODUCTS, INC.	
Street Address:	325 PARAMOUNT DRIVE	
City:	RAYNHAM	
State/Country:	MASSACHUSETTS	
Postal Code:	02767-0350	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15858037

CORRESPONDENCE DATA

Fax Number: (317)231-7433

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: 3172316412

Email:crystal.johnson@btlaw.comCorrespondent Name:BARNES & THORNBURG LLPAddress Line 1:11 S. MERIDIAN STREET

Address Line 4: INDIANAPOLIS, INDIANA 46204

ATTORNEY DOCKET NUMBER:	265280-245311	
NAME OF SUBMITTER:	JEFFREY T.G. KELSEY	
SIGNATURE:	/Jeffrey T.G. Kelsey/	
DATE SIGNED: 11/06/2018		
This document serves as an Oath/Declaration (37 CFR 1.63).		

Total Attachments: 6

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PATENT REEL: 047424 FRAME: 0235 source=245311 Signed Combined Dec-Assn #page4.tif source=245311 Signed Combined Dec-Assn #page5.tif source=245311 Signed Combined Dec-Assn #page6.tif

> PATENT REEL: 047424 FRAME: 0236

COMBINED DECLARATION AND ASSIGNMENT

Title of Invention: ORTHOPAEDIC SURGICAL INSTRUMENT SYSTEM AND METHOD INCLUDING A STEM TRIAL COMPONENT

This declaration and assignment is directed to the United States application number 15/858,037 filed on December 29, 2017.

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

For 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 02767-0350

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 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 Applications 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.

1

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.

Thomas E. Wogoman	
Inventor	
Thomas E. Wonoman	16 JAN 2018
Signature	Date

DMS 11337568v1

LEGAL NAME OF INVENTOR

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A corporation of the state of **Delaware**

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15 Jan 2018

Date

LEGAL NAME OF INVENTOR

Daniel E. Lashure

Tachure

Inventor

Signature

DMS 11337782v1

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A corporation of the state of Delaware

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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

Nathan C. Reeder	
Inventor	Ł
Noleile	16-JAN-2018
1// 000	
Signature	Date

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PATENT REEL: 047424 FRAME: 0242