507399317 07/22/2022

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7446244

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ROBERT J. KANE	06/15/2021
ANDREW T. ROSENBERGER	05/27/2021
BRYAN J. SMITH	04/19/2021

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:	17028022

CORRESPONDENCE DATA

Fax Number: (215)568-3439

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.

2155683100 Phone:

Email: Patents@bakerlaw.com **Correspondent Name:** BAKERHOSTETLER Address Line 1: 1735 MARKET STREET

Address Line 2: **SUITE 3300**

Address Line 4: PHILADELPHIA, PENNSYLVANIA 19103-7501

ATTORNEY DOCKET NUMBER:	104525.008053
NAME OF SUBMITTER:	DONNA LYNCH
SIGNATURE:	/Donna Lynch/
DATE SIGNED:	07/22/2022

Total Attachments: 9

source=Declaration-Assignment_-_Rosenberger_to_DePuy_Synthes_Products_Inc#page1.tif source=Declaration-Assignment - Rosenberger to DePuy Synthes Products Inc#page2.tif source=Declaration-Assignment - Rosenberger to DePuy Synthes Products Inc#page3.tif

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source=Declaration-Assignment_-_Smith_to_DePuy_Synthes_Products_Inc#page3.tif

COMBINED DECLARATION AND ASSIGNMENT

Title of Invention: THREE-DIMENSIONAL POROUS STRUCTURES FOR BONE INGROWTH AND METHODS FOR PRODUCING

This declaration and assignment is directed to U.S. Patent Application 17/028,022 filed September 22, 2020 ("US Application"), U.S. Provisional Patent Application 62/906,004 filed September 25, 2019 ("US Provisional Application"), and PCT Patent Application Serial No. PCT/IB2020/058848 filed September 22, 2020 ("International Application"). The US Application, US Provisional Application, and International Application are collectively referred to herein as "Applications".

Declaration

As the below named inventor, I hereby declare that:

The above-identified US 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 US Application.

I have reviewed and understood the contents of the US 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 US 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 US Application in the United States of America.

Assignment

DEPUY SYNTHES PRODUCTS, INC. 325 Paramount Drive Raynham, Massachusetts 02767-0350

A corporation of the state of Delaware (hereinafter designated as the "Assignee").

For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have assigned and transferred to Assignee, such assignment being made effective as of September 25, 2019:

my entire right, title, and interest in, to, and under the Applications, including all priority rights for other countries arising therefrom and the right to claim priority to the Applications, 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 Applications 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 Applications 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.

Page 1 of 2

PATENT

REEL: 060590 FRAME: 0448

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.

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 Applications 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.

<u>Andrew T. Rosenberger</u> endown I. Summberger (Pay 27, 2021, 1881) (1911)	7	May 27, 2021
Signature		Date

LEGAL NAME OF INVENTOR: Andrew T. ROSENBERGER

Page 2 of 2

4833-2681-5199.1

Declaration-Assignment - Rosenberger to DePuy Synthes Products Inc

Final Audit Report 2021-05-27

Created: 2021-04-27

By: Angelina Petti (apetti@its.jnj.com)

Status: Signed

Transaction ID: CBJCHBCAABAAQS8fg2PlwmQzypPwB9uBf85H23bujMEz

"Declaration-Assignment - Rosenberger to DePuy Synthes Products Inc" History

- Document created by Angelina Petti (apetti@its.jnj.com) 2021-04-27 - 7:17:24 PM GMT- IP address: 71.172.109.249
- Document emailed to Andrew T. Rosenberger (arosenberger14@gmail.com) for signature 2021-04-27 7:17:49 PM GMT
- Email viewed by Andrew T. Rosenberger (arosenberger14@gmail.com) 2021-05-27 - 5:37:31 PM GMT-IP address; 74,125,210.60
- Document e-signed by Andrew T. Rosenberger (arosenberger14@gmail.com)
 Signature Date: 2021-05-27 5:37:57 PM GMT Time Source: server- IP address: 73.87.225.50
- Agreement completed. 2021-05-27 - 5:37:57 PM GMT

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COMBINED DECLARATION AND ASSIGNMENT

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A corporation of the state of Delaware (hereinafter designated as the "Assignee"),

For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have assigned and transferred to Assignee, such assignment being made effective as of September 25, 2019:

my entire right, title, and interest in, to, and under the Applications, including all priority rights for other countries arising therefrom and the right to claim priority to the Applications, 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 Applications 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 Applications 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.

Page 1 of 2

PATENT

REEL: 060590 FRAME: 0451

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.

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 Applications 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.

<u> </u>	7	Jun 15, 2021	
Signature		Date	

LEGAL NAME OF INVENTOR: Robert J. KANE

Page 2 of 2

4845-8058-4671.1

Declaration-Assignment - Kane to DePuy Synthes Products Inc

Final Audit Report 2021-06-15

Created: 2021-05-10

By: Angelina Petti (apetti@its.jnj.com)

Status: Signed

Transaction ID: CBJCHBCAABAAUMRzzkuBsmfish7MTt3u7Lwc8xz3Mjoh

"Declaration-Assignment - Kane to DePuy Synthes Products Inc" History

- Document created by Angelina Petti (apetti@its.jnj.com) 2021-05-10 7:03:33 PM GMT- IP address: 71.172.109.249
- Document emailed to Robert J. Kane (rkane12@its.jnj.com) for signature 2021-05-10 7:03:58 PM GMT
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- Document e-signed by Robert J. Kane (rkane12@its.jnj.com)
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- Agreement completed. 2021-06-15 - 1:27:01 PM GMT

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COMBINED DECLARATION AND ASSIGNMENT

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Page 1 of 2

PATENT

REEL: 060590 FRAME: 0454

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.

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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.

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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.

Ely Helder Leter Melleletinininin 10 y 60 3, 3 mills Jose 26, 2622 2 2228 2307) /	Apr 19, 2021
Signature	Date

LEGAL NAME OF INVENTOR: Bryan J. SMITH

Page 2 of 2

4849-0046-5887.1

Declaration-Assignment - Smith to DePuy Synthes Products Inc

Final Audit Report 2021-04-19

Created: 2021-04-19

By: Angelina Petti (apetti@its.jnj.com)

Status: Signed

Transaction ID: CBJCHBCAABAAuVtPJ8_YCeECMKqCvUtvBdR3WCb7AdtD

"Declaration-Assignment - Smith to DePuy Synthes Products Inc " History

- Document created by Angelina Petti (apetti@its.jnj.com) 2021-04-19 5:18:03 PM GMT- IP address: 71.172.109.249
- Document emailed to Bryan J. Smith (bsmith8@its.jnj.com) for signature 2021-04-19 5:18:28 PM GMT
- Email viewed by Bryan J. Smith (bsmith8@its.jnj.com) 2021-04-19 - 5:23:13 PM GMT- IP address: 50.121.92.233
- Document e-signed by Bryan J. Smith (bsmith8@its.jnj.com)

 Signature Date: 2021-04-19 5:25:34 PM GMT Time Source: server- IP address: 50.121.92.233
- Agreement completed. 2021-04-19 - 5:25:34 PM GMT

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RECORDED: 07/22/2022