

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5071686

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HOWARD DAVID DEAN	08/11/2017
RECEIVING PARTY DATA	
Name:	OSTEOPLASTICS, LLC
Street Address:	675 ALPHA DRIVE
Internal Address:	SUITE E
City:	HIGHLAND HEIGHTS
State/Country:	OHIO
Postal Code:	44143
PROPERTY NUMBERS Total: 7	
Property Type	Number
Application Number:	13616007
Application Number:	13967738
Application Number:	14039994
Application Number:	14277835
Application Number:	15072607
Application Number:	15613476
Application Number:	15786008
CORRESPONDENCE DATA	
Fax Number:	
<i>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.</i>	
Phone:	612-305-0403
Email:	ahoernemann@mrgs.com
Correspondent Name:	KEITH M. CAMPBELL
Address Line 1:	111 THIRD AVENUE SOUTH
Address Line 2:	SUITE 350
Address Line 4:	MINNEAPOLIS, MINNESOTA 55401
ATTORNEY DOCKET NUMBER:	511.0001----
NAME OF SUBMITTER:	KEITH M. CAMPBELL
SIGNATURE:	/Keith M. Campbell/

PATENT

DATE SIGNED:	07/27/2018
Total Attachments: 3 source=3-Dean to Osteo August 11 2017 Signed#page1.tif source=3-Dean to Osteo August 11 2017 Signed#page2.tif source=3-Dean to Osteo August 11 2017 Signed#page3.tif	

EXECUTED ASSIGNMENT

THIS PATENT ASSIGNMENT AGREEMENT (the "*Agreement*"), is made and entered into this 11 day of ~~July~~ ^{August} 2017 (the "*Effective Date*"), by and between Howard David Dean, PhD., 4606 Sandringham Drive, Upper Arlington, Ohio 43220 ("*Assignor*") and Osteoplastics LLC, a limited liability company, of Ohio ("*Assignee*") (each a "*Party*" and collectively the "*Parties*").

WHEREAS, Assignor is the owner of certain rights, title and interest in and to the United States and patent applications as listed on Schedule A (United States patent properties) (collectively the "Patents");

WHEREAS, Assignor and Assignee have agreed by a Technology Transfer Agreement (the "Transfer Agreement") dated April 23, 2012, by and between Assignor and Assignee, the terms of which are incorporated herein by reference, that Assignor shall sell, transfer, assign and set over unto Assignee and Assignee shall accept, all rights, title and interest in and to the Patents as specified in this Agreement;

NOW, THEREFORE, in consideration of the mutual covenants and agreements of the Parties and pursuant to the Transfer Agreement, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, it is hereby agreed as follows:

1. ASSIGNMENT

1. Assignor has sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignees, their successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid applications and patents, and the right(s) to claim priority thereto, and in and to the applications and patents, all patent applications and patents based upon said applications and patents, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.
2. Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States, whose duty is to issue patents or other evidence or forms of industrial property on applications as aforesaid, to issue the same to Assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.
3. Assignor agrees that, whenever reasonably requested by Assignee, Assignor will take reasonable efforts to execute all papers, take all rightful oaths, and do all acts which may be

reasonably necessary for securing and maintaining rights to the Patents in any country and for vesting title thereto in Assignee, its successors, assigns and legal representatives or nominees.

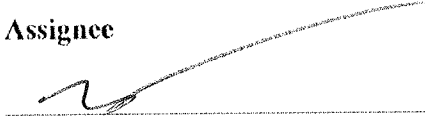
4. Assignor authorizes and empowers Assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable, and to invoke and claim such right of priority without further written or oral authorization from Assignor.
5. Assignor hereby consents that a copy of this Agreement shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document that may be required in any country for any purpose and more particularly in proof of the right of Assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.
6. All of the rights, title and interest in and to the Patents transferred, assigned and set over to Assignee hereunder include all income, royalties, damages and payments now or hereafter due or payable with respect thereto, and all causes of action (whether in law or equity) and the right to sue, counterclaim, and recover for the past, present and future infringement of the rights assigned or to be assigned hereunder.

Assignor


Howard David Dean, Ph.D.

Date: 8/11/17

Assignee


Osteoplastics, LLC

By: Brent E. Routman

Title: President

Date: 8/11/17

SCHEDULE A
UNITED STATES PATENTS AND PATENT APPLICATIONS

I. Granted Patents

- a. Patent No. 7,702,380, Granted on April 20, 2010
- b. Patent No. 7,747,305, Granted on June 29, 2010
- c. Patent No. 8,781,557, Granted on July 15, 2014
- d. Patent No. 9,208,558, Granted on December 8, 2015
- e. Patent No. 9,275,191, Granted on March 1, 2016
- f. Patent No. 9,292,920, Granted on March 22, 2016
- g. Patent No. 9,330,206, Granted on May 3, 2016
- h. Patent No. 9,626,756, Granted on April 18, 2017
- i. Patent No. 9,672,617, Granted on June 6, 2017
- j. Patent No. 9,672,302, Granted on June 6, 2017

II. Pending Applications

- a. U.S. Application No. 15/613,476, filed June 5, 2017
- b. U.S. Application No. 15/613,489, filed June 5, 2017

III. Prior Applications

- a. 60/148,277; 60/148,275; 60/148,393 filed August 11, 1999
- b. 60/163,323, filed November 3, 1999
- c. 60/477,694, filed on June 11, 2003
- d. PCT/US00/22053, filed on August 11, 2000
- e. PCT/US00/41821, filed on November 3, 2000
- f. PCT/US2004/018807, filed on June 14, 2004
- g. U.S. Application No. 10/089,467, filed March 27, 2002
- h. U.S. Application No. 10/129,308, filed September 3, 2002
- i. U.S. Application No. 11/299,138, filed on December 9, 2005
- j. U.S. Application No. 12/720,518, filed March 9, 2010
- k. U.S. Application No. 13/228,517, filed September 9, 2011
- l. U.S. Application No. 13/616,007, filed September 14, 2012
- m. U.S. Application No. 13/967,738, filed August 15, 2013
- n. U.S. Application No. 14/039,994, filed September 27, 2013
- o. U.S. Application No. 14/277,275, filed on May 14, 2014
- p. U.S. Application No. 14/277,835, filed May 15, 2014
- q. U.S. Application No. 15/072,607, filed March 17, 2016
- r. U.S. Application No. 15/075,498, filed on March 21, 2016