PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5112048

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JUAN M. TABOAS	08/04/2017
JINGMING CHEN	08/04/2017

RECEIVING PARTY DATA

Name:	UNIVERSITY OF PITTSBURGH - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION	
Street Address:	1ST FLOOR GARDNER STEEL CONFERENCE CENTER	
Internal Address:	130 THACKERAY AVENUE	
City:	PITTSBURGH	
State/Country:	PENNSYLVANIA	
Postal Code:	15260	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16080220

CORRESPONDENCE DATA

Fax Number: (503)595-5301

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: 503-595-5300

Email: tamara.daw@klarquist.com

Correspondent Name: KLARQUIST SPARKMAN, LLP

Address Line 1: 121 SW SALMON STREET

Address Line 2: SUITE 1600

Address Line 4: PORTLAND, OREGON 97204

ATTORNEY DOCKET NUMBER:	8123-96518-03	
NAME OF SUBMITTER:	SANDON M. DUNCAN	
SIGNATURE:	/Sandon M. Duncan/	
DATE SIGNED:	08/27/2018	

Total Attachments: 3

source=Assignment#page1.tif source=Assignment#page2.tif

> PATENT REEL: 046714 FRAME: 0155

505065292

source=Assignment#page3.tif

PATENT REEL: 046714 FRAME: 0156

ASSIGNMENT

WHEREAS, we, Juan M. Taboas, of Pittsburgh, Pennsylvania, and Jingming Chen, of Pittsburgh, Pennsylvania, have invented a certain invention, entitled HYDROGEL SYSTEMS FOR SKELETAL INTERFACIAL TISSUE REGENERATION APPLIED TO EPIPHYSEAL GROWTH PLATE REPAIR, for which the following application has been filed:

PCT Patent Application No. PCT/US2017/020765, filed on March 3, 2017, the application is referred to as "the patent application."

WHEREAS, UNIVERSITY OF PITTSBURGH – OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, a non-profit entity organized and existing under the laws of the Commonwealth of Pennsylvania, having a place of business at 1st Floor Gardner Steel Conference Center, 130 Thackeray Avenue, Pittsburgh, Pennsylvania 15260, desires to acquire an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, Juan M. Taboas and Jingming Chen hereby sell, assign, and transfer to UNIVERSITY OF PITTSBURGH - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, the full and exclusive right, title, and interest in and to said invention, patent application, and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute International Applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; said invention, patent application, and letters patent in this or any foreign country, and all corresponding nonprovisional applications, divisions, continuations, continuations-in-part, reissues, and extensions thereof, to be held and enjoyed by UNIVERSITY OF PITTSBURGH - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted by the United States or any foreign country, as fully and entirely as the same would have been held by us had this assignment and sale not been made, and covenant that we have full right so to do, and agree that we will communicate to UNIVERSITY OF PITTSBURGH - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, or its successors and assigns, any

Page I of 3

facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths, and do everything possible to aid UNIVERSITY OF PITTSBURGH – OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION, its successors, and assigns to obtain and enforce proper patent protection for said invention in the United States or any foreign country.

We confirm that, at the time the invention was made, we were under an obligation to assign the invention to UNIVERSITY OF PITTSBURGH – OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION.

We hereby grant the law firm of Klarquist Sparkman, LLP, the power to insert on this Assignment any further information that may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

Status

Executed at the place and date opposite our respective signatures below.

At Pitts Bux 6tt, PA (City and State) on this 4 day of August, 201	Juan M. Tuboas
(City and State)	
on this 4 day of $AuGust$, 201	Ī.
COMMONWEALTH OF)	
PENNSYLVANIA	
) s	S.
COUNTY OF ALLEGHENY)	
Juan M. Taboas, who executed the forego	2017, before me personally came the above-named bing instrument in my presence, and who acknowledged by Juan M. Taboas's own free will for the purpose set
	Notary Public For PENNSYLVANIA-
	My commission expires: 10/1/2019 COMMONWEALTH OF PENNSYLVANIA
[SEAL]	NOTARIAL SEAL Mariania C. Felton, Notary Public City of Pirksburgh, Allegheny County My Commission Expires Oct. 1, 2019 MEMBER DESIGNATION
32 - 32 - 32 - 32 - 32 - 32 - 32 - 32 -	MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

	of the state of th
AL PHEBURGH, PA	Jingming Chen
At PHSBURGH PF (City and State) on this H day of AUGUST, 20	1 7.
COMMONWEALTH OF) PENNSYLVANIA	
COUNTY OF ALLEGHENY)	SS.
Jingming Chen, who executed the for	, 2017, before me personally came the above-named regoing instrument in my presence, and who acknowledged ted by Jingming Chen's own free will for the purpose set
	Martania C. Filton
	Notary Public For Printy Lians My commission expires: 10/1/2019
[SEAL]	COMMONWEALTH OF PENNSYLVANIA NOTARIAL SEAL Martania C. Felton, Notary Public City of Pittsburgh, Allegheny County My Commission Expires Oct. 1, 2019 MEMBER, FENISYLVANIA ASSOCIATION OF NOTARIES