

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

Assignment ID: PATI485107

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Jay R. Lieberman	07/30/2019
William Pannell	08/05/2019
Yong Chen	07/30/2019
Xuan Song	07/30/2019
Sofia Bougioukli	09/09/2019
RECEIVING PARTY DATA	
Company Name:	University of Southern California
Street Address:	1150 South Olive Street, Suite 2300
City:	Los Angeles
State/Country:	CALIFORNIA
Postal Code:	90015
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16899363
CORRESPONDENCE DATA	
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NAME OF SUBMITTER:	CANDY NEU
SIGNATURE:	CANDY NEU
DATE SIGNED:	09/10/2024
Total Attachments: 5	

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**IN THE UNITED STATES PATENT
AND TRADEMARK OFFICE**

**COMBINED DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN
APPLICATION USING AN APPLICATION DATA SHEET**

Inventor(s): Jay R. Lieberman
William Pannell
Yong Chen
Xuan Song
Sofia Bougioukli

Docket No.: 71523-00800

Serial No.:

Filing Date:

Title: **GROWTH FACTOR TRANSDUCED CELL-LOADED CERAMIC
SCAFFOLD FOR BONE REGENERATION AND REPAIR**

Pursuant to 35 U.S.C. § 115(e), Applicant(s) herewith submit for recordation a combined declaration and assignment.

Declaration

As the below named inventors, I/we hereby declare that:

The captioned application was made or authorized to be made by me/us.

I/we believe that I am the original inventors or an original joint inventor of a claimed invention in the application.

I/we 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 (5) years, or both.

I/we acknowledge that a person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the U.S. Patent and Trademark Office all information known to the person to be material to patentability as defined in 37 CFR 1.56.

Assignment

WHEREAS, the undersigned inventors of the addresses indicated below ("ASSIGNORS") have invented subject matter disclosed and/or claimed in the captioned patent application;

AND WHEREAS, University of Southern California, an entity organized and existing under and by virtue of the laws of California, having a place of business and mailing address at University of Southern California, 1150 South Olive Street, Suite 2300, Los Angeles, CA 90015, hereinafter, "ASSIGNEE", is desirous of obtaining an interest or memorializing its interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNORS by these presents do sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, any and all of ASSIGNORS rights, title, and interest to the subject matter and inventions, as described in the aforesaid application, including patent, copyright and any other intellectual property rights, any provisional, non-provisional, continuation, continuation in part, divisional, reissue, reexamination, foreign, PCT or other patent application or like document, or any other application which claims priority to said application, including the rights to sue for all past and future causes of action related to said inventions and subject matter, in the United States and all foreign countries, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States adheres, and hereby authorizes and requests all countries to issue said patents to ASSIGNEE, including all renewals, extensions, and reissue and reexamination certificates for the sole use and benefit of ASSIGNEE, its successors, assigns and legal representatives;

AND HEREBY AGREES, without further remuneration, to transfer to ASSIGNEE, its successors, assigns and legal representatives a like interest in and to any improvements, related new matter, and derivative works, and applications based thereon, growing out of or relating to the inventions or subject matter, and to provide all reasonable assistance and execute any papers, if accurate, desired by ASSIGNEE, its successors, assigns and legal representatives, to preserve, acquire and/or perfect ASSIGNEE'S full rights, title and interest in and to the invention(s) and subject matter and any improvements and to file any of the aforementioned applications, or to further memorialize ASSIGNEE'S prior agreement to do so; ASSIGNORS authorize ASSIGNEE and its appointed patent counsel to insert on this document any further identification that may be necessary or desirable by any patent office.

EXECUTED as of the date(s) written below by DECLARANT/ASSIGNOR:

Full name of inventor: Jay R. Lieberman

Inventor's signature:  Date: 7/30/19

Residence: Los Angeles CA/USA
City State/Country

Post Office Address: 1150 S. Olive Street, Suite 2300, Los Angeles, CA 90015 USA


Full name of inventor: William Pannell

Inventor's signature:  Date: 8/5/19

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Post Office Address: 1150 S. Olive Street, Suite 2300, Los Angeles, CA 90015 USA

Full name of inventor: Yong Chen

Inventor's signature:  Date: 7/30/2019

Residence: Los Angeles CA/USA
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Post Office Address: 1150 S. Olive Street, Suite 2300, Los Angeles, CA 90015 USA

Full name of inventor: Xuan Song

Inventor's signature: _____ Date: _____

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Post Office Address: 1150 S. Olive Street, Suite 2300, Los Angeles, CA 90015 USA

Full name of inventor: Sofia Bougioukli

Inventor's signature: _____ Date: _____

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Full name of inventor: William Pannell

Inventor's signature: _____ Date: _____

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Post Office Address: 1150 S. Olive Street, Suite 2300, Los Angeles, CA 90015 USA

Full name of inventor: Yong Chen

Inventor's signature: Yong Chen Date: 7/30/2019

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Full name of inventor: Xuan Song

Inventor's signature: Xuan Song Date: 7/30/2019

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Post Office Address: 1150 S. Olive Street, Suite 2300, Los Angeles, CA 90015 USA

Full name of inventor: Sofia Bougioukli

Inventor's signature: _____ Date: _____

Residence: Los Angeles CA/USA
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Post Office Address: 1150 S. Olive Street, Suite 2300, Los Angeles, CA 90015 USA

Full name of inventor: William Pannell

Inventor's signature: _____ Date: _____

Residence: Los Angeles CA/USA
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Post Office Address: 1150 S. Olive Street, Suite 2300, Los Angeles, CA 90015 USA

Full name of inventor: Yong Chen

Inventor's signature: Yong Chen Date: 7/30/2019

Residence: Los Angeles CA/USA
City State/Country

Post Office Address: 1150 S. Olive Street, Suite 2300, Los Angeles, CA 90015 USA

Full name of inventor: Xuan Song

Inventor's signature: _____ Date: _____

Residence: Los Angeles CA/USA
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Post Office Address: 1150 S. Olive Street, Suite 2300, Los Angeles, CA 90015 USA

Full name of inventor: Sofia Bougioukli

Inventor's signature: [Signature] Date: 09/09/19

Residence: Los Angeles CA/USA
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Post Office Address: 1150 S. Olive Street, Suite 2300, Los Angeles, CA 90015 USA