

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT7117142

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the CORRESPONDENCE DATA previously recorded on Reel 054744 Frame 0237. Assignor(s) hereby confirms the ASSIGNMENT.
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ERIC A. APPEL	09/27/2017
ANTHONY C. YU	08/01/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY
<b>Street Address:</b>	OFFICE OF THE GENERAL COUNSEL, BLDG. 170, THIRD FLOOR, MAIN QUAD
<b>Internal Address:</b>	P.O. BOX 20386
<b>City:</b>	STANFORD
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94305-2038
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16709832
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(650)212-7562
<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>	
<b>Phone:</b>	6502121700
<b>Email:</b>	info@shayglenn.com,mae@shayglenn.com
<b>Correspondent Name:</b>	SHAY GLENN LLP
<b>Address Line 1:</b>	2929 CAMPUS DRIVE, SUITE 225
<b>Address Line 4:</b>	SAN MATEO, CALIFORNIA 94403
<b>ATTORNEY DOCKET NUMBER:</b>	10220-753.300 / S16-329
<b>NAME OF SUBMITTER:</b>	MAE PATTISON
<b>SIGNATURE:</b>	/THOMAS M. ZLOGAR/
<b>DATE SIGNED:</b>	01/12/2022
<b>Total Attachments: 6</b>	
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<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6467854

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ERIC A. APPEL	09/27/2017
ANTHONY C. YU	08/01/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY
<b>Street Address:</b>	OFFICE OF THE GENERAL COUNSEL, BUILDING 170, THIRD FLOOR, MAIN QUAD
<b>Internal Address:</b>	P.O. BOX 20386
<b>City:</b>	STANFORD
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94305
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16709832
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(650)212-7562
<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>	
<b>Phone:</b>	4156407648
<b>Email:</b>	vavalos@shayglenn.com, info@shayglenn.com
<b>Correspondent Name:</b>	VICTORIA AVALOS
<b>Address Line 1:</b>	445 PRINCETON ST.
<b>Address Line 4:</b>	SAN FRANCISCO, CALIFORNIA 94134
<b>ATTORNEY DOCKET NUMBER:</b>	10220-753.300
<b>NAME OF SUBMITTER:</b>	KATHLEEN KELLEHER
<b>SIGNATURE:</b>	/Kathleen Kelleher, Reg. No. 62,230/
<b>DATE SIGNED:</b>	12/23/2020
<b>Total Attachments: 5</b>	
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source=10220-753.300 Assignment#page2.tif	

**ASSIGNMENT OF INTEREST**

THIS ASSIGNMENT, by ERIC A. APPEL (hereinafter referred to as the ASSIGNOR), residing in PALO ALTO, CALIFORNIA, USA:

WHEREAS, said ASSIGNOR has invented certain new and useful improvements in:

“Biomimetic, Moldable, Self-Assembled Cellulose Silica-Based Trimeric Hydrogels And Their Use As Viscosity Modifying Carriers In Industrial Applications” filed on Sept. 26, 2017, as U.S. Patent Application USSN 15/716,500.

WHEREAS, THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, a non-profit organization duly organized under and pursuant to the laws of California, and having its principal place of business at the Office of the General Counsel, Building 170, 3rd Floor, Main Quad, Stanford, CA 94305-2038, (hereinafter referred to as the ASSIGNEE) is desirous of acquiring the entire right, title and interest in and to said inventions and said applications for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefore and thereon:

NOW THEREFORE, for good and valuable considerations, said ASSIGNOR sells, assigns, transfers to the ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, applications for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefore and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said applications, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said ASSIGNEE, for its own use and behalf and the use and behalf of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the ASSIGNOR, had this sale and assignment not been made.

AND for the same consideration, the said ASSIGNOR hereby covenants and agrees to and with said ASSIGNEE, its successors, legal representatives and assigns, that, at the time of execution and delivery of these considerations, said ASSIGNOR is the lawful owner of the entire right, title and interest in and to said inventions and the applications for Letters Patent above-mentioned, and that the same are unencumbered and that said ASSIGNOR has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, the said ASSIGNOR hereby covenants and agrees to and with said ASSIGNEE, its successors, legal representatives and assigns, that said ASSIGNOR will, whenever counsel of said ASSIGNEE, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said applications for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to said ASSIGNEE, its successors, legal representatives and assigns, but at the cost and expense of said ASSIGNEE, its successors, legal representatives and assigns.

AND the said ASSIGNOR hereby requests the Commissioner of Patents to issue said Letters Patent of the United States to said ASSIGNEE as the ASSIGNEE of said inventions and the Letters Patent to be issued thereon for the use and behalf of said ASSIGNEE, its successors, legal representatives and assigns.

Date 9-27-17

Name of Inventor

  
ERIC A. APPEL

**ASSIGNMENT OF INTEREST**

Hereby accepted on behalf of the ASSIGNEE:

Katharine Ku  
Signature

9/28/2017                      Katharine Ku  
Date                                      Name (print)

Executive Director, Office of Technology Licensing  
Title

The Board of Trustees of the Leland Stanford Junior University  
Organization

ASSIGNMENT OF INTEREST

THIS ASSIGNMENT, by Anthony C. Yu (hereinafter referred to as the ASSIGNOR), residing in STANFORD, CALIFORNIA, USA:

WHEREAS, said ASSIGNOR has invented certain new and useful improvements in:

"Biomimetic, Moldable, Self-Assembled Cellulose-Silica-Based Trimeric Hydrogels And Their Use As Viscosity Modifying Carriers In Industrial Applications" filed on Sept. 26, 2017, as U.S. Patent Application USSN 15 716,500.

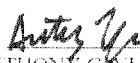
WHEREAS, THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, a non-profit organization duly organized under and pursuant to the laws of California, and having its principal place of business at the Office of the General Counsel, Building 170, 3rd Floor, Main Quad, Stanford, CA 94305-2038, (hereinafter referred to as the ASSIGNEE) is desirous of acquiring the entire right, title and interest in and to said inventions and said applications for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefore and thereon:

NOW THEREFORE, for good and valuable considerations, said ASSIGNOR sells, assigns, transfers to the ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, applications for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefore and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said applications, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said ASSIGNEE, for its own use and behalf and the use and behalf of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the ASSIGNOR, had this sale and assignment not been made.

AND for the same consideration, the said ASSIGNOR hereby covenants and agrees to and with said ASSIGNEE, its successors, legal representatives and assigns, that, at the time of execution and delivery of these considerations, said ASSIGNOR is the lawful owner of the entire right, title and interest in and to said inventions and the applications for Letters Patent above-mentioned, and that the same are unencumbered and that said ASSIGNOR has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, the said ASSIGNOR hereby covenants and agrees to and with said ASSIGNEE, its successors, legal representatives and assigns, that said ASSIGNOR will, whenever counsel of said ASSIGNEE, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said applications for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to said ASSIGNEE, its successors, legal representatives and assigns, but at the cost and expense of said ASSIGNEE, its successors, legal representatives and assigns.


AND the said ASSIGNOR hereby requests the Commissioner of Patents to issue said Letters Patent of the United States to said ASSIGNEE as the ASSIGNEE of said inventions and the Letters Patent to be issued thereon for the use and behalf of said ASSIGNEE, its successors, legal representatives and assigns.

Date 8/1/18 Name of Inventor   
ANTHONY C. YU

**ASSIGNMENT OF INTEREST**

Hereby accepted on behalf of the ASSIGNEE:

  
\_\_\_\_\_  
Signature

 8/2/2018  
\_\_\_\_\_  
Date

Karin H. Immergluck  
\_\_\_\_\_  
Name (print)

Executive Director, Office of Technology Licensing  
\_\_\_\_\_  
Title

The Board of Trustees of the Leland Stanford Junior University  
\_\_\_\_\_  
Organization