

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4652754

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YUZHAN LI	10/06/2017
MICHAEL RICHARD KESSLER	10/12/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	WASHINGTON STATE UNIVERSITY
<b>Street Address:</b>	LIGHTY 280/286
<b>Internal Address:</b>	P.O. BOX 641060
<b>City:</b>	PULLMAN
<b>State/Country:</b>	WASHINGTON
<b>Postal Code:</b>	99164-1060
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	62143691
<b>Application Number:</b>	15091182
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(865)574-0381
<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>	(865) 574-0393
<b>Email:</b>	vanceke@ornl.gov
<b>Correspondent Name:</b>	EDNA I. GERGEL
<b>Address Line 1:</b>	ONE BETHEL VALLEY ROAD
<b>Address Line 2:</b>	4500N, MS-6258
<b>Address Line 4:</b>	OAK RIDGE, TENNESSEE 37831-6258
<b>ATTORNEY DOCKET NUMBER:</b>	3489.0 & .1 (WASHINGTON)
<b>NAME OF SUBMITTER:</b>	KAREN E. VANCE
<b>SIGNATURE:</b>	/KE Vance/
<b>DATE SIGNED:</b>	10/23/2017
<b>Total Attachments: 3</b>	
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RECORDATION FORM COVER SHEET  
**PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

Yuzhan Li  
Michael Richard Kessler

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) 10/06/2017

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

**2. Name and address of receiving party(ies)**

Name: Washington State University

Internal Address: \_\_\_\_\_

Street Address: Lighty 280/286

P.O. Box 641060

City: Pullman

State: Washington

Country: USA Zip: 99164-1060

Additional name(s) & address(es) attached? ☐ Yes ☒ No

**4. Application or patent number(s):**

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

62/143,691

15/091,182

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Edna I. Gergel

Internal Address: UT-Battelle, LLC

Street Address: One Bethel Valley Road

4500N, MS-6258

City: Oak Ridge

State: TN Zip: 37831-6258

Phone Number: (865) 574-0393

Fax Number: (865) 574-0381

Email Address: gergelei@ornl.gov

**6. Total number of applications and patents involved: 1**

**7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00**

- ☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 13-1958

Authorized User Name Karen E. Vance

**9. Signature:**

/Edna I. Gergel/

Signature

10/23/2017

Date

Edna I. Gergel, Reg. No. 50819

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

3

**ASSIGNMENT**

WHEREAS, we, YUZHAN LI, and MICHAEL RICHARD KESSLER of 2200 NE Westwood Dr., Apt. B304, Pullman, WA 99163, and 3007 Par St. N., Fargo, ND 58102, respectively, have co-invented, a certain invention as described in the following patent applications:

U.S. Provisional Patent Application No. 62/143,691 filed on April 6, 2015, entitled "Controlled Shape Memory Behaviors of a Smectic Main-Chain Liquid Crystalline Elastomer," and U.S. Utility Patent Application No. 15/091,182 filed on April 5, 2016, entitled "3D PRINTABLE LIQUID CRYSTALLINE ELASTOMERS WITH TUNABLE SHAPE MEMORY BEHAVIOR AND BIO-DERIVED RENDITIONS" and any and all U.S. or foreign patent applications claiming the benefits thereof, wherein these applications are collectively referred to as "the patent applications."

WHEREAS, Washington State University, a university organized under the laws of the State of Washington, having a place of business at Lighty 280/286, P.O. Box 641060, Pullman, Washington 99164-1060, desires to acquire an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, YUZHAN LI, and MICHAEL RICHARD KESSLER hereby sell, assign and transfer to Washington State University, our full and exclusive right, title and interest in and to said invention, patent applications 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, the patent applications and letters patent in this or any foreign country, and all divisions, continuations, reissues and extensions thereof, to be held and enjoyed by Washington State University, 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 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

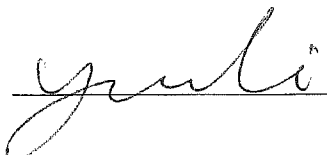
to Washington State University, or its successors and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid Washington State University, 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 Washington State University.

We hereby grant the law firm of Scully, Scott, Murphy & Presser, P.C., 400 Garden City Plaza, Suite 300, Garden City, NY 11530, the power to insert on this Assignment any further information which 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.

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

(1) Name of Inventor: YUZHAN LI

Signature: 

Signed at: Pullman, Washington, United States on this 6th day of October, 2017.  
(City, State/Province, and Country)

(2) Name of Inventor: MICHAEL RICHARD KESSLER

Signature: 

Signed at: Fargo, ND, USA on this 12 day of October, 2017.  
(City, State/Province, and Country)