

<b>PATENT ASSIGNMENT COVER SHEET</b>
--------------------------------------

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3973481

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DOUGLAS STEPHEN ENGLISH	07/21/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	WICHITA STATE UNIVERSITY
<b>Street Address:</b>	1845 FAIRMOUNT ST., BOX 129, NIAR BUILDING
<b>Internal Address:</b>	ROOM 303
<b>City:</b>	WICHITA
<b>State/Country:</b>	KANSAS
<b>Postal Code:</b>	67260-0007
<b>PROPERTY NUMBERS Total: 3</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	61419159
<b>Application Number:</b>	13310579
<b>PCT Number:</b>	US2011063174
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(301)314-9502
<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>	3014057753
<b>Email:</b>	dwalker5@umd.edu, patents@umd.edu
<b>Correspondent Name:</b>	UNIVERSITY OF MARYLAND
<b>Address Line 1:</b>	2130 MITCHELL BUILDING, 7999 REGENTS DR
<b>Address Line 2:</b>	DENISE WALKER, OTC - UMD
<b>Address Line 4:</b>	COLLEGE PARK, MARYLAND 20742
<b>ATTORNEY DOCKET NUMBER:</b>	LS-2010-124
<b>NAME OF SUBMITTER:</b>	FELICIA METZ, REG. NO. 57401
<b>SIGNATURE:</b>	/Felicia Metz/
<b>DATE SIGNED:</b>	07/22/2016
<b>Total Attachments: 2</b>	
source=LS-2010-124_Assignment_English_#page1.tif	
source=LS-2010-124_Assignment_English_#page2.tif	

ASSIGNMENT

WHEREAS, I, Douglas Stephen ENGLISH, a citizen of the United States of America, having a mailing address at 8701 East 63<sup>rd</sup> St. South, Derby, KS 67037 (hereinafter referred to as ASSIGNOR), am a joint inventor of the inventions set forth in the following:

United States Provisional Patent Application entitled VESICLE CAPTURE ON SOLID SUBSTRATES FOR APPLICATIONS AS HEMOSTATS AND VESICLE ARRAY BASED BIOMOLECULAR SENSORS filed on December 2, 2010 and assigned Serial No. 61/419,159;

PCT International Application entitled METHOD AND SYSTEM FOR CAPTURE AND USE OF INTACT VESICLES ON ELECTRODEPOSITED HYDROPHOBICALLY MODIFIED BIOPOLYMER FILMS filed on December 2, 2010 and assigned Serial No. PCT/US11/63174; and

United States Patent Application entitled METHOD AND SYSTEM FOR CAPTURE AND USE OF INTACT VESICLES ON ELECTRODEPOSITED HYDROPHOBICALLY MODIFIED BIOPOLYMER FILMS, filed with the United States Patent and Trademark Office on December 2, 2011 and assigned serial number 13/310,579;

(the "Applications").

WHEREAS, Wichita State University, a Kansas University having a place of business at 1845 Fairmount St. Box 129, NIAR Building Room 303, Wichita, KS 67260-0007 (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title and interest in and to the inventions, the Applications, and to any letters patent in regard to the inventions listed above that may be granted therefor in all countries throughout the world;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) or equivalent and other good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, the ASSIGNOR hereby sells, transfers, assigns, and sets over to the ASSIGNEE, and to its successors, assigns, and legal representatives, the entire right, title and interest in and to the inventions and the Applications, for the entire world, including (without limitation) the United States and all foreign countries, and to all Letters Patent, non-provisional applications, divisions, continuations, continuations-in-part, substitutions, reissues, reexaminations, and extensions to be obtained therefor, and in and to all rights of priority resulting from the filing of the Applications, together with the right to sue and recover for, and the right to profits or damages due or accrued arising out of or in connection with, any and all past, present or future infringement of the inventions. The ASSIGNOR agrees to cooperate with the ASSIGNEE in obtaining and sustaining any or all Letters Patent, but at the expense of the ASSIGNEE. The Commissioner of Patents is hereby authorized and requested to issue any and all Letters Patent solely, in accordance with this Assignment, to the ASSIGNEE, its successors, legal representatives and assigns as the ASSIGNEE of the entire rights, title and interest therein.

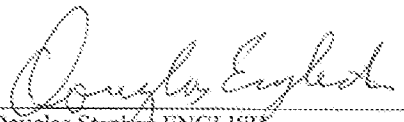
The ASSIGNOR further agrees to communicate to the ASSIGNEE or its representatives any facts known to the ASSIGNOR respecting the inventions, and at the expense of the

Assignment  
METHOD AND SYSTEM FOR CAPTURE AND USE OF INTACT VESICLES ON ELECTRODEPOSITED HYDROPHOBICALLY  
MODIFIED BIOPOLYMER FILMS

ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all division, continuation, continuation-in-part, substitution, reissue, reexamination, and extension applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to the ASSIGNEE, make all rightful oaths and generally to do everything necessary or desirable to aid the ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for the Inventions in the United States and in any and all foreign countries. The ASSIGNOR and ASSIGNEE hereby authorize and request Joseph Morales, of The Morales Law Firm, LLC, to insert above the application numbers and filing dates of said Applications when known.

IN WITNESS WHEREOF, the ASSIGNOR has executed this Assignment as an instrument under seal on the date written below.

7-21-16  
Date

  
\_\_\_\_\_  
Douglas Stephen ENGLISH