

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT		
CONVEYING PARTY DATA			
	Name	Execution Date	
	BARTON F. HAYNES	08/08/2017	
	HUA-XIN LIAO	10/09/2017	
RECEIVING PARTY DATA			
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State/Country:	NORTH CAROLINA		
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PROPERTY NUMBERS Total: 1			
	Property Type	Number	
	Application Number:	15513539	
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NAME OF SUBMITTER:	JENNIFER HUFFMAN		
SIGNATURE:	/Jennifer Huffman/		
DATE SIGNED:	11/29/2017		
Total Attachments: 5			
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ASSIGNMENT

WHEREAS, the undersigned, to wit:

Barton F. HAYNES residing at c/o Duke University, 2812 Erwin Road, Suite 306, Durham, North Carolina 27705;

Hua-Xin LIAO residing at c/o Duke University, 2812 Erwin Road, Suite 306, Durham, North Carolina 27705

(hereinafter collectively ASSIGNORS), with Bette T. KORBER and Peter T. HRABER have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled:

"COMPOSITIONS COMPRISING CH505 ENVELOPES, AND TRIMERS"

(a) ☐ which is being filed herewith in the United States Patent and Trademark Office;

(b) ☒ which was filed as International Patent Application No. 15/513,539
on March 22, 2017 designating the United States;

AND WHEREAS, Duke University (hereinafter ASSIGNEE), a corporation organized and existing under the laws of the State of North Carolina, and having its principal place of business at 2812 Erwin Road, Suite 306, Durham, North Carolina 27705, is desirous of acquiring the entire right, title, and interest in and to said invention and any and all patents that may be obtained therefor, and in and to said application and any and all patents that may issue therefrom together with co-applicant, Los Alamos National Security, LLC having its principal place of business at Los Alamos National Laboratory, LC/TAS; P.O. Box 1663, Los Alamos, New Mexico 87545;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNORS do hereby sell, assign, transfer, and set over unto said ASSIGNEE, its successors, assigns, and legal representatives, all right, title, and interest in and to said invention throughout the world, and any and all patents of the United States and foreign countries that may be obtained therefor, including the right to sue for past infringement and obtain past damages, and in and to said application, including any and all non-provisionals, continuations, continuations-in-part, divisionals, reissues, re-examinations, substitutions, and extensions thereof, and any and all patents of the United States and foreign countries that may issue therefrom, such right, title, and interest including the right to file applications and obtain patents, utility models, industrial models, and designs for said invention in the name of said ASSIGNEE, its successors, assigns, and legal representatives, throughout the world, including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention, and all rights to register said invention in appropriate registries;

ASSIGNORS also do hereby covenant that they have the full right to convey the entire right, title, and interest herein assigned, and that they have not and will not execute any agreement in conflict herewith;

ASSIGNORS also do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States on said invention or resulting from said application, including any continuations, continuations-in-part, divisions, reissues, re-examinations, substitutions, and extensions thereof, to said ASSIGNEE, its successors, assigns, and legal representatives as the ASSIGNEE of the entire right, title, and interest herein assigned;

ASSIGNORS also do hereby agree to, at any time, upon request, without further or additional consideration but at the expense of said ASSIGNEE, its successors, assigns, or legal representatives, execute and deliver any and all papers, make all rightful oaths, and do all lawful acts that may be necessary or desirable to perfect the entire right, title, and interest in said application, including any and all continuations, continuations-in-part, divisionals, reissues, re-examinations, substitutions, and extensions thereof, and any and all patents of the United States and foreign countries that may issue therefrom said ASSIGNEE, its successors, assigns, and legal representatives, and generally do everything possible to vest the entire right, title, and interest herein assigned in said ASSIGNEE, its successors, assigns, and legal representatives;

ASSIGNORS also do hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

DUKE UNIVERSITY

All practitioners at Customer Number 134544.

This ASSIGNMENT is effective as of March 22, 2017

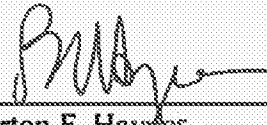
ASSIGNEE hereby acknowledges and accepts the foregoing assignment.

The undersigned is authorized to act on behalf of ASSIGNEE, Duke University

Signature: E F W Date: 9 August 2017
Name: Eric F. Wagner
Title: Associate Director - Legal

8/8/17

Date



Barton F. Haynes

Witness:

8/8/2017

Date



PATENT

REEL: 044250 FRAME: 0617

10/9/2017

Date



Hua-Xin Liao

Witness:

10/9/2017

Date

