506600456 04/08/2021

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
COLIN LOEB	03/31/2021
PATRICK CAMPBELL	09/26/2019
JENNIFER MARIE KNIPE	04/08/2021
MICHAEL STADERMANN	03/31/2021

RECEIVING PARTY DATA

Name:	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC
Street Address:	7000 EAST AVENUE
City:	LIVERMORE
State/Country:	CALIFORNIA
Postal Code:	94550

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16784385	

CORRESPONDENCE DATA

Fax Number: (408)971-4660

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.

Phone: (408) 971-2573

Email: alma@zilkakotab.com **Correspondent Name:** ZILKA-KOTAB, PC Address Line 1: 1155 N. 1ST ST. Address Line 2: SUITE 105

Address Line 4: SAN JOSE, CALIFORNIA 95112

ATTORNEY DOCKET NUMBER:	IL-13385/LLNLP221
NAME OF SUBMITTER:	DOMINIC M. KOTAB
SIGNATURE:	/Dominic M. Kotab/
DATE SIGNED:	04/08/2021

Total Attachments: 6

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ASSIGNMENT

LLNL Record of Invention Case No. <u>IL-1</u>	3385 , entitl	led:
Methods for Large	e Scale Synthesis of Re	esorcinol-Formaldehyde Aerogel
For good and valuable consideration, the re	ceipt of which is hereby	y acknowledged, ASSIGNOR(s)
1. Colin Loeb	2. <u>I</u>	Patrick Campbell
3. Jennifer Marie Knipe	4. <u>N</u>	Michael Stadermann
5	6.	
limited liability company, having a place	of business at 7000 E IGNEE all of its right,	wrence Livermore National Security, LLC, a Delawar last Avenue, Livermore, CA 94550 and the successor title and interest throughout the world in and to any an ord of Invention Case No. and in:
 U.S. Provisional Application Serial N 	√o.	, filed on
		, filed on <u>02-07-2020</u>
		, filed on
part, extension or substitute thereof, and an all International Conventions for the Protect	y reissue, reexaminatio tion of Industrial Proper ssignment, sale, agreem	ication(s) or any continuation, division, continuation-ir on or extension of said Letters Patent and all rights underty; nent or encumbrance has been or will be made or entere
documents relating to said invention and ASSIGNOR and will testify as to the same execute and deliver to ASSIGNEE or its leftor, obtain, maintain, issue or enforce said which may be necessary or desirable to car	said Letters Patent and in any interference, liti gal representative any a application, said invent ry out the purposes the	equest, be provided promptly with all pertinent facts and legal equivalents as may be known and accessible tigation, or proceeding relating thereto and will promptle and all papers, instruments or affidavits required to applition and said Letters Patent and said equivalents therefore ereof. An attorney of record is authorized and requeste the filing date and serial number of said application whe
AND the <u>ASSIGNOR(S)</u> requests the Com States and any reissue or extension thereof t	missioner of Patents and the ASSIGNEE, Law	nd Trademarks to issue said Letters Patent of the Unite rence Livermore National Security, LLC.
executed this 3/31/2021	Signatu	re of ASSIGNOBUS
7 Date	Colin I	
executed this	Signatu	re of ASSIGNOR(s)
Date	Patrick	Campbell

ASSIGNMENT

LLNL Record of Invention Case No. IL-13385 , entitled: METHODS FOR LARGE SCALE SYNTHESIS OF RESORCINOL-FORMALDEHYDE AEROGEL For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(s) Colin Loeb
 Z. Patrick Campbell 4, Michael Stadermann Jennifer Marie Knipe hereby sells, assigns, transfers, and conveys to ASSIGNEE, Lawrence Livermore National Security, LLC, a Delaware limited liability company, having a place of business at 7000 East Avenue, Livermore, CA 94550 and the successors, assigns and legal representative of the ASSIGNEE all of its right, title and interest throughout the world in and to any and all inventions and discoveries found in the above-listed LLNL Record of Invention Case No. and in: U.S. Provisional Application Serial No. _______, filed on _____ U.S. Patent Application Serial No. ______, filed on _____ International Application Serial No. _______, filed on ______ and any legal equivalent thereof in a foreign country, including the right to claim priority, and in and to all Letters Patent to be obtained for said inventions and discoveries by the above application(s) or any continuation, division, continuation-inpart, extension or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property: ASSIGNOR(S) hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment; ASSIGNOR(S) further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when officially known. AND the ASSIGNOR(S) requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, Lawrence Livermore National Security, LLC. executed this Signature of ASSIGNOR(s)

Colin Loch

Date

LLNL Case No.: <u>IL-13385</u>	
executed this 9/26/14	Signature of ASSIGNOR(s)
Date	Natrick Campbell
executed this	Signature of ASSIGNOR(s)
Date	Jennifer Marie Knipe
executed this	Signature of ASSIGNOR(s)

Date

Michael Stadermann

ASSIGNMENT

LLNL Record of Invention Case No. IL-1338	<u>15</u> . en	titled:	
Methods for Large Sc	rale Synthesis of	Resorcinol-Formaldehyde Aer	ogel
For good and valuable consideration, the receip	ot of which is her	by acknowledged, ASSIGNOR	(s)
1. Colin Loch	2.	Patrick Campbell	
3. Jennifer Marie Knipe	4,	Michael Stadermann	
5.	6.		
hereby sells, assigns, transfers, and conveys limited liability company, having a place of assigns and legal representative of the ASSIG all inventions and discoveries found in the abo	business at 7000 NEE all of its rig	East Avenue, Livermore, CA ht, title and interest throughout	94550 and the successors. the world in and to any and
U.S. Provisional Application Serial No.		, filed on	
 U.S. Patent Application Serial No. 16 	5/784,385	, filed on <u>02-07-</u>	2020
 International Application Serial No. 			
ASSIGNOR(S) hereby covenants that no assignto which would conflict with this assignmen	gament, sale, agra		or will be made or entered
ASSIGNOR(S) further covenants that ASSIG documents relating to said invention and sai ASSIGNOR and will testify as to the same in execute and deliver to ASSIGNEE or its legal for, obtain, maintain, issue or enforce said ap which may be necessary or desirable to carry by the execution of this assignment to insert is officially known.	d Letters Patent any interference, representative ar plication, said in- out the purposes	and legal equivalents as may be litigation, or proceeding relatingly and all papers, instruments or rention and said Letters Patent is thereof. An attorney of record	e known and accessible to g thereto and will promptly affidavits required to apply and said equivalents thereof is authorized and requested
AND the <u>ASSIGNOR(S)</u> requests the Comm. States and any reissue or extension thereof to			
executed this	Sigr	nature of ASSIGNOR(s)	
Date	Col	in Loeb	
executed this	Sign	nature of ASSIGNOR(s)	
	Psi	rick Campbell	

LLNL Case No.: IL-13385	
executed this	Signature of ASSIGNOR(s)
4/8/2021	amie Meine Vingi
Date	Johnifer Macie Knipe
executed this	Signature of ASSIGNOR(s)
Date	Michael Stadermann

Michael Stadermann

LLNL Case No.: IL-13385		
executed this	Signature of ASSIGNOR(s)	
Date	Jennifer Marie Knipe	
executed this	Signature of ASSIGNOR(s)	
3/31/204	U. Malan	
Date	Michael Stadermann	

PATENT REEL: 055869 FRAME: 0420

RECORDED: 04/08/2021