

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6685523

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ANDREW NEIL MABE	11/11/2020
M LESLIE CARMAN	08/26/2020
STEPHEN ANTHONY PAYNE	08/03/2020
NATALIA P. ZAITSEVA	07/30/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC
<b>Street Address:</b>	7000 EAST AVENUE
<b>City:</b>	LIVERMORE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94550
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	17244805
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(408)971-4660
<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>	(408) 971-2573
<b>Email:</b>	alma@zilkakotab.com
<b>Correspondent Name:</b>	ZILKA-KOTAB, PC
<b>Address Line 1:</b>	1155 N. 1ST ST.
<b>Address Line 2:</b>	SUITE 105
<b>Address Line 4:</b>	SAN JOSE, CALIFORNIA 95112
<b>ATTORNEY DOCKET NUMBER:</b>	IL-13558O1P1/LLNLP252
<b>NAME OF SUBMITTER:</b>	DOMINIC M. KOTAB
<b>SIGNATURE:</b>	/Dominic M. Kotab/
<b>DATE SIGNED:</b>	04/30/2021
<b>Total Attachments: 5</b>	
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**PATENT**

**REEL: 056093 FRAME: 0322**

## ASSIGNMENT

LLNL Case No.: IL-13558

I, Sally Anne Martinez, am the parent and legal representative of minor Jesse Neil Martinez Mabe (D.O.B. May 13, 2019), son and heir to the Estate of Andrew Neil Mabe, now deceased and in that capacity am authorized to execute this document. Andrew Neil Mabe invented DEFECT-RESISTANT PLASTIC SCINTILLATORS WITH ALIPHATIC ADDITIVES, for which a United States provisional patent application was filed on 05/01/2020 as Application No. 63/018,975. Andrew Neil Mabe had a contractual obligation to assign the aforementioned application to the ASSIGNEE identified below. I, Sally Anne Martinez, on behalf of Jesse Neil Martinez Mabe (ASSIGNOR), hereby sell, assign and transfer to ASSIGNEE, Lawrence Livermore National Security, LLC, a Delaware Corporation, having its administrative offices located at 2300 First Street, Suite 204, Livermore, CA 94550 and the successors, assigns and legal representative of the ASSIGNEE, all right, title and interest of Andrew Neil Mabe and the Estate of Andrew Neil Mabe, for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention and application identified above, 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 invention by the above applications or any non-provisional, continuation, division, continuation-in-part, 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 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 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.

ASSIGNOR 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

Nov 11, 2020

Date Sally Anne Martinez

(signing on behalf of minor Jesse Neil Martinez Mabe)



PATENT

REEL: 056093 FRAME: 0323

## ASSIGNMENT

LLNL Record of Invention Case No. IL-13558 , entitled:

### DEFECT-RESISTANT PLASTIC SCINTILLATORS WITH ALIPHATIC ADDITIVES

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(s)

- |                                 |                               |
|---------------------------------|-------------------------------|
| 1. <u>Andrew Neil Mabe</u>      | 2. <u>M. Leslie Carman</u>    |
| 3. <u>Stephen Anthony Payne</u> | 4. <u>Natalia P. Zaitseva</u> |

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. 63/018,975 , filed on 05/01/2020
- U.S. Patent Application Serial No. 17/244,805 , filed on 04/29/2021
- 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-in-part, 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)

\_\_\_\_\_  
Date


\_\_\_\_\_  
Andrew Neil Mabe

executed this

Signature of ASSIGNOR(s)

8-26-20  
Date

M. Leslie Carman  
M. Leslie Carman

U.S. Pat. No. <u>4,128,888</u>	
Executed By: <u>P-3-2020</u> Date	Signature of Agent:  Stephen Anthony Payne
Executed By:	Signature of Applicant:
Date	Barbara P. Zappala

## ASSIGNMENT

LLNL Record of Invention Case No. IL-13558 , entitled:

### DEFECT-RESISTANT PLASTIC SCINTILLATORS WITH ALIPHATIC ADDITIVES

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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)

\_\_\_\_\_  
Date

\_\_\_\_\_  
Andrew Neil Mabe

executed this

Signature of ASSIGNOR(s)

\_\_\_\_\_  
Date

\_\_\_\_\_  
M. Leslie Carman

LLNL Case No.: IL-13558

executed this

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Date

Signature of ASSIGNOR(s)

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Stephen Anthony Payne

executed this

07.30.2020

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Date

Signature of ASSIGNOR(s)

N. Zetsera

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Natalia P. Zaitseva