

<b>PATENT ASSIGNMENT COVER SHEET</b>
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EPAS ID: PAT6610631

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ERIC B. DUOSS	09/03/2020
JAMES OAKDALE	09/03/2020
<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>
<b>Application Number:</b>	17028543
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(248)641-0270
<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>	248.641.1600
<b>Email:</b>	cshelby@hdp.com
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<b>ATTORNEY DOCKET NUMBER:</b>	16336-000164-US
<b>NAME OF SUBMITTER:</b>	MARK D. ELCHUK
<b>SIGNATURE:</b>	/Mark D. Elchuk/
<b>DATE SIGNED:</b>	03/19/2021
<b>Total Attachments: 2</b>	
source=IL-13542 Assignment - DUOSS#page1.tif	
source=IL-13542A Oakdale#page1.tif	

# ASSIGNMENT

U.S. Patent Case No. IL-13542-I, entitled:

## ROLL-TO-ROLL FILM TENSIONING DEVICE FOR REDUCED SEPARATION FORCE DURING BOTTOM-UP STEREO-LITHOGRAPHY

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

1.	Eric B. DUOSS	2.	James OAKDALE
3.		4.	
5.		6.	

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 U.S. Patent Case No. and in:

- U.S. Provisional Application Serial No. \_\_\_\_\_, filed on \_\_\_\_\_
- U.S. Patent Application Serial No. \_\_\_\_\_ Not Yet Assigned, filed on \_\_\_\_\_ Not Yet Assigned
- 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) 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

Date

9/3/2020

Signature of ASSIGNOR(s)

  
Eric B. DUOSS

executed this

Date

Signature of ASSIGNOR(s)

James OAKDALE

25892166.1

ASSIGNMENT

LLNL Record of Invention Case No. IL-13542-1, entitled:

**ROLL-TO-ROLL FILM TENSIONING DEVICE FOR REDUCED SEPARATION FORCE DURING BOTTOM-UP STEREOLITHOGRAPHY**

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

- |                         |                         |
|-------------------------|-------------------------|
| 1. <u>Eric B. DUOSS</u> | 2. <u>James OAKDALE</u> |
| 3. _____                | 4. _____                |
| 5. _____                | 6. _____                |

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. Not Yet Assigned, filed on Not Yet Assigned
- 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) 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)

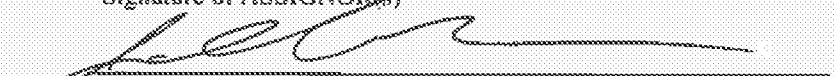
\_\_\_\_\_  
Date

\_\_\_\_\_  
Eric B. DUOSS

executed this

Signature of ASSIGNOR(s)

Aug 3, 2020  
Date

  
\_\_\_\_\_  
James OAKDALE

20200803