505080166 09/06/2018 PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | | N | NEW ASSIGNMENT | | | |
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| | | Na | ame | | | Execution Date |
| JOHN W. ELMER | | | | | | 08/30/2018 |
| ALAN T. TERUYA | | | | | | 09/05/2018 |
| RECEIVING PARTY DA | ТА | | | | | |
| Name: | LAWR | ENCE L | IVERMORE NATION | NAL SECUR | ITY, LLC | |
| Street Address: 2300 FIRST | | | TREET | | | |
| Internal Address: SUITE 204 | | | | | | |
| City: | LIVERMORE | | | | | |
| tate/Country: CALIFORNIA | | | | | | |
| Postal Code: | 94550 | | | | | |
| | Total: 1 | 1 | | | 1 | |
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ASSIGNMENT

LLNL Record of Invention Case No. IL-12943 , entitled:

CONCENTRIC SEMI-CIRCULAR SLIT PROFILING FOR COMPUTED TOMOGRAPHIC IMAGING OF ELECTRON BEAMS

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

1. John W. Elmer 2. Alan T. Teruya

hereby sells, assigns, transfers, and conveys 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 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 N | lo | , filed on | |
|---|---------------------------------------|------------|------------|------------|
| ۲ | U.S. Patent Application Serial No. | 16/123,069 | , filed on | 09/06/2018 |
| * | International Application Serial No. | | , filed on | E0037423 |

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;

<u>ASSIGNOR(S)</u> 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 <u>ASSIGNOR(S)</u> 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

30/2018

executed this

Date

Signature of ASSIGNOR(s)

Elmer

Signature of ASSIGNOR(s)

Alan T. Teruya

PATENT REEL: 046799 FRAME: 0862

ASSIGNMENT

LLNL Record of Invention Case No. IL-12943 , entitled:

CONCENTRIC SEMI-CIRCULAR SLIT PROFILING FOR COMPUTED TOMOGRAPHIC IMAGING OF ELECTRON BEAMS

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2. <u>Alan T.</u> Teruya 1. John W. Elmer

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| * | U.S. Provisional Application Serial No, filed | | | |
|---|---|------------|------------|------------|
| ۲ | U.S. Patent Application Serial No. | 16/123,069 | | 09/06/2018 |
| ۲ | 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)

Date

John W. Elmer

executed this

Signature of ASSIGNOR(s)

h / Dearry of Mer.

Alan T. Teruya

RECORDED: 09/06/2018