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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE

CONVEYING PARTY DATA

Name	Execution Date
UCHICAGO ARGONNE, LLC	03/24/2022

RECEIVING PARTY DATA

Name:	UNITED STATES DEPARTMENT OF ENERGY	
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17692994

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DATE SIGNED:	05/11/2022

Total Attachments: 1

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PATENT REEL: 059890 FRAME: 0251

CONFIRMATORY LICENSE

Title of Invention: ADVANCED X-RAY EMISSION SPECTROMETERS

Inventors: Chengjun Sun, Mikhail A. Solovyev, Steve Heald, Xiaoyi Zhang,

Maria K. Chan

Patent Application Serial No.: 17/692,994 Filing Date: March 11, 2022

Patent Number: Issue Date:

Contractor: UChicago Argonne, LLC DOE Contract No.: DE-AC02-06CH11357

DOE Case No.: S-168,638 ANL Case No.: ANL-IN-21-050

The Contractor has reported the above-identified invention as a subject invention to DOE and has elected to retain title thereto.

Accordingly, this document is confirmatory of the nonexclusive, nontransferable, irrevocable, paid-up, worldwide license in this subject invention, patent application and any resulting patent, including any continuation, divisional, reissue, or supplemental application thereof, to practice or to have practiced for or on behalf of the United States throughout the world; and of all other rights acquired by the Government by the patent rights clause in the above-identified contract.

It is understood and agreed that this license does not preclude the Government from asserting rights under the provisions of said contract or of any other agreement between the Government and the Contractor, or from asserting any other rights of the Government with respect to the above-identified subject invention.

The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

Signed this 24TH DAY OF MARCH, 2022

Contractor Name: UChicago Argonne, LLC

By:

Mark D. Hilliard Chief Patent Counsel Argonne National Laboratory UChicago Argonne, LLC

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RECORDED: 05/11/2022