508124601 09/18/2023

# 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	
FERMI RESEARCH ALLIANCE, LLC	08/31/2023	

#### **RECEIVING PARTY DATA**

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

Property Type	Number		
Application Number:	14022365		

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DATE SIGNED:	09/18/2023

**Total Attachments: 1** 

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**PATENT REEL: 064930 FRAME: 0738** 

508124601

Patent Docket Number: FAA-828 Invention Report Number: 10038424-13-0001

# **License to the United States Government**

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Title of Invention: METHOD AND SYSTEM FOR IN-SITU CROSS LINKING OF POLYMERS, BITUMEN AND SIMILAR

MATERIALS TO INCREASE STRENGTH, TOUGHNESS AND DURABILITY VIA IRRADIATION WITH ELECTRON

BEAMS FROM MOBILE ACCELERATORS	
Inventor(s): ROBERT KEPHART, Robert D. Kephart	
U.S. Filing/Issue Date: 09/10/2013	
Patent or Application Serial No.: 14/022, 365	
Grant/Contract Number(s): DE-AC02-07CH11359	
Foreign Applications filed/intended in (countries):	

The invention identified above is a Subject Invention under **35 U.S.C. 200, et seq.**, and the Standard Patent Rights clause at **37 CFR 401.14, FAR 52.227-11** or **FAR 52.227-12** (if applicable) which are included among the terms of the above identified grant or contract award from the United States Government. This document is confirmatory of:

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

Sign	ed this	31	day of	August		, 20	23	
Ву		J Schmidt itional Business Official)			(Signature)			
Title	Head, 0	Office of Partnerships and Techno	ology Trans	sfer				
For	FERMI	RESEARCH ALLIANCE, LLC						
	(Grant	ee/Contractor Organization)						
At	Kirk & F	Pine St.						
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	Batavia	a, IL 60510						
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PATENT REEL: 064930 FRAME: 0739

RECORDED: 09/18/2023