

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CARL ZORN	04/12/2018
ANDREW WEISENBERGER	04/12/2018
WENZE XI	04/12/2018
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<b>State/Country:</b>	VIRGINIA
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15952841
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<b>ATTORNEY DOCKET NUMBER:</b>	2346U(JSA)
<b>NAME OF SUBMITTER:</b>	RONALD G. SAKACH
<b>SIGNATURE:</b>	/Ronald G. Sakach/
<b>DATE SIGNED:</b>	04/13/2018
<b>Total Attachments: 2</b>	
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Docket Number 2346U(JSA)  
(Worldwide Rights)

ASSIGNMENT

WHEREAS:

Carl Zorn  
109 Amelia Court  
Yorktown, VA 23693  
USA

Andrew Weisenberger  
123 Brandywine Drive  
Yorktown, VA 23692  
USA

Wenze Xi  
12150 Hayland Farm Way  
Ellicott City, MD 21042  
USA

(hereinafter referred to as ASSIGNOR(S)) have invented certain new and useful improvements in an invention entitled:

**RADIATION MONITOR BASED ON WAVELENGTH-DEPENDENT OPTICAL  
ABSORPTION IN FUSED SILICA OPTICAL FIBERS**

for which an application for United States Letters Patent is being executed and filed concurrently herewith;

WHEREAS:

Jefferson Science Associates, LLC  
12000 Jefferson Avenue  
Newport News, VA 23606  
USA

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefore in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that for full and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR(S) hereby sells, assigns and transfers to ASSIGNEE, its lawful successors and assigns, the full and exclusive right, title and interest to said invention in the United States and its territorial possessions and in all foreign countries and

Docket Number 2346U(JSA)  
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to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, division, continuation-in-part, reexamination, renewal, substitute, extension, or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted; and authorize and request the Commissioner of Patents of the United States and any official of any foreign country whose duty it is to issue patents or legal equivalents thereto, to issue same for this invention to ASSIGNEE, its lawful successors and assigns.

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 and sale;


ASSIGNOR(S) further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to ASSIGNOR(S) and will testify as to the same in any interference or litigation related 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 and enforce said application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

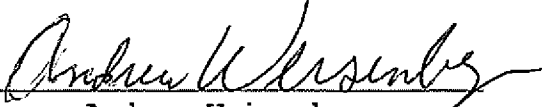
IN WITNESS WHEREOF, I/We have hereunto set hand and signed on the date indicated below:

**SIGNATURES(S)**

The signature(s) must correspond with the name(s) of the inventor(s) above.

INVENTOR(S) AND ASSIGNOR(S) :      DATE SIGNED

      4/12/2018  
Carl Zorn

      4/12/2018  
Andrew Weisenberger

      4/12/2018  
Wenze Xi