

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6012143

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ANDREI G. PAKHOMOV	03/02/2020
SHU XIAO	03/02/2020
OLGA N. PAKHOMOVA	03/02/2020
MAURA CASCIOLA	03/02/2020
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Street Address:	4111 MONARCH WAY, SUITE 204
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16669419
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NAME OF SUBMITTER:	JENNIFER MARCELINO
SIGNATURE:	/Richard D. Shoop, Reg. No. 45,763/
DATE SIGNED:	03/12/2020
Total Attachments: 4	
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RECORDATION FORM COVER SHEET
PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

TO THE HONORABLE DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE. PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

<p>1. Name of conveying party(ies):</p> <p>(1) Andrei G. PAKHOMOV (2) Shu XIAO (3) Olga N. PAKHOMOVA (4) Maura CASCIOLA</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: OLD DOMINION UNIVERSITY RESEARCH FOUNDATION 4111 Monarch Way, Suite 204 Norfolk, VA 23508</p>
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<p>3. Nature of Conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other</p> <p>EXECUTION DATE(S): (1)-(4) 03/02/2020</p>	<p>Name and address of receiving party(ies):</p> <p>Name:</p> <p>Street Address:</p> <p>City: State: Zip:</p> <p>Country:</p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

<p>A. Patent Application No.(s) – 16/669,419</p> <p>Title: MEGAHERTZ COMPRESSION OF NANOSECOND PULSE BURSTS</p>	<p>B. Patent No.(s)</p>
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Additional numbers attached? Yes No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Richard D. Shoop Shay Glenn LLP 2929 Campus Drive, Suite 225 San Mateo, CA 94403</p>	<p>6. Total number of applications and patents involved: <u> 1 </u></p> <p>7. Total fee (37 CFR 1.21(h)(1)): \$0.00</p> <p><input checked="" type="checkbox"/> None required. Please charge fees to Deposit Account No. 50-4050.</p>
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8. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Richard D. Shoop, Reg. No. 45,763 /Richard D. Shoop/ March 12, 2020
Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and documents: **4**

This Assignment of Patent Application is between:

Andrei G. PAKHOMOV of Norfolk, VA;
Shu XIAO of Norfolk, VA;
Olga N. PAKHOMOVA of Norfolk, VA; and
Maura CASCIOLA of Norfolk, VA

(hereinafter referred to as "Inventor") and

OLD DOMINION UNIVERSITY RESEARCH FOUNDATION, a corporation of the State of Virginia, having a place of business at 4111 Monarch Way, Suite 204, Norfolk, VA 23508 (hereinafter referred to as "Assignee").

WHEREAS Inventor has invented certain new and useful improvements in:

"MEGAHERTZ COMPRESSION OF NANOSECOND PULSE BURSTS"

for which a non-provisional application for a United States Patent was filed on **October 30, 2019** and assigned Application No. **16/669,419**.

WHEREAS, Assignee is desirous of acquiring the entire right, title and interest of each inventor in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered by said Inventor (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor to have been received in full from said Assignee:

1. Said Inventor does hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.

2. Said Inventor hereby covenants and agrees to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventor shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of the

said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contest, public use proceedings, infringement actions and court actions, including the right to sue and collect damages for past infringement; provided, however, that the expense incurred by said Inventor in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor, his heirs, legal representatives and assigns.

4. Said Inventor hereby warrants and represents that he has not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventor has executed and delivered this instrument to said Assignee:

3/2/2020
Date



Andrei G. PAKHOMOV

3/2/2020
Date



Shu XIAO

March 02, 2020
Date



Olga N. PAKHOMOVA

Date

Maura CASCIOLA

said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contest, public use proceedings, infringement actions and court actions, including the right to sue and collect damages for past infringement; provided, however, that the expense incurred by said Inventor in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor, his heirs, legal representatives and assigns.

4. Said Inventor hereby warrants and represents that he has not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventor has executed and delivered this instrument to said Assignee:

Date

Andrei G. PAKHOMOV

Date

Shu XIAO

Date

Olga N. PAKHOMOVA

03.02.2020
Date



Maura CASCIOLA