

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
EFFECTIVE DATE:	03/27/2007	
CONVEYING PARTY DATA		
Name		Execution Date
Vassili A Kireev		03/27/2007
RECEIVING PARTY DATA		
Name:	University of Tennessee Research Foundation	
Street Address:	1534 White Avenue, Suite 403	
City:	Knoxville	
State/Country:	TENNESSEE	
Postal Code:	37996	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	11652238	
CORRESPONDENCE DATA		
Fax Number:	(865)574-0381	
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>		
Phone:	(865) 574-4178	
Email:	bowmanke@ornl.gov	
Correspondent Name:	Joseph A. Marasco	
Address Line 1:	One Bethel Valley Road	
Address Line 2:	4500N, MS-6258	
Address Line 4:	Oak Ridge, TENNESSEE 37831-6258	
ATTORNEY DOCKET NUMBER:	1404 UTRF	
NAME OF SUBMITTER:	Karen E. Bowman	
<p>Total Attachments: 4</p> <p>source=UTRF Assignment 1404#page1.tif</p>		

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**PATENT**  
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## RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

### 1. Name of conveying party(ies)

Vassili A. Kireev

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

### 3. Nature of conveyance/Execution Date(s):

Execution Date(s) 03/27/2007

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

### 2. Name and address of receiving party(ies)

Name: Univeristy of Tennessee Research Foundation

Internal Address: \_\_\_\_\_

Street Address: 1534 White Avenue, Suite 403

City: Knoxville

State: Tennessee

Country: USA Zip: 37996

Additional name(s) & address(es) attached? ☐ Yes ☒ No

### 4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

11/652,238

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

### 5. Name and address to whom correspondence concerning document should be mailed:

Name: Joseph A. Marasco

Internal Address: UT-Battelle, LLC

P.O. Box 2008, MS-6258

Street Address: One Bethel Valley Road

City: Oak Ridge

State: Tennessee Zip: 37831-6258

Phone Number: (865) 574-4178

Fax Number: (865) 574-0381

Email Address: marascoja@ornl.gov

### 6. Total number of applications and patents involved: 1

### 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

### 8. Payment Information

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 13-1958

Authorized User Name Joseph A. Marasco

### 9. Signature:

/Joseph A. Marasco/

Signature

03/29/2007

Date

Joseph A. Marasco, Reg. No. 32798

Name of Person Signing

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

4

ASSIGNMENT

WHEREAS, I the below-named inventor whose residence and post office is stated below, have invented certain new and useful improvements in;

HEREBY sell, assign and transfer to the University of Tennessee Research Foundation (UTRF), a non-profit corporation of Tennessee having a place of business at 1534 White Avenue, Suite 403, Knoxville, Tennessee 37996, its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent which has been executed by the undersigned concurrently herewith, and which is entitled

CASCADE INJECTION RESONATOR FOR COHERENT BEAM COMBINING  
OF LASER ARRAYS

and in and to said application and all divisional, continuation, substitute, renewal, reissue, and other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements, including the right to claim in other countries the right of priority of any of said applications under the (Paris) International Convention; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements;

AGREE THAT said Assignee may apply for and receive Letters Patent for said improvements in its own name, and that when requested, without charge to but at the legal expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuation, substitute, renewal, reissue, and all other patent applications on any and all said improvements, execute all rightful oaths, Assignments, Powers of Attorney and other papers, communicate to said Assignee, its successors, assigns and all legal representatives, all facts known to the undersigned relating to said improvements and the history thereof and generally do everything possible which said Assignee, its successors, assigns and legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives;

COVENANT WITH said Assignee, its successors, assigns and legal representatives that no Assignment, grant, mortgage, license or other Agreement affecting the rights and property herein conveyed have been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned; and

AUTHORIZE Assignee, its employees, its successors, assigns and all legal representatives to enter in the blank spaces provided below the Serial Number an filing date of the United States Patent Application to which this document applies, when that information becomes known.

Patent Application Serial Number: 11/652,238

Patent Application Filing Date: January 11, 2007

Full name of inventor: Vassili A. Kireev

Inventor's Signature: [Signature]

Date: 03/27/2007

Resident: 247 Arriba Drive, Apt. #1, Sunnyvale, CA 94086

Post Office Address: 247 Arriba Drive, Apt. #1, Sunnyvale, CA 94086

Citizenship: Russia

State of California

County of Santa Clara

This 27<sup>th</sup> day of March, 2007, before me, Lorna K. Roach, a Notary Public in and for the County and State aforesaid, VASSILI A. KIREEV appeared before me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as my free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.

[Signature]  
Notary Public

My Commission Expires: 3/16/09

SEAL

