

# PATENT ASSIGNMENT

Electronic Version v1.1

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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>
Hideya Koizumi	03/29/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Oak Ridge Associated Universities
<b>Street Address:</b>	120 Badger Avenue
<b>City:</b>	Oak Ridge
<b>State/Country:</b>	TENNESSEE
<b>Postal Code:</b>	37830
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12100011
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<b>ATTORNEY DOCKET NUMBER:</b>	1887 ORAU
<b>NAME OF SUBMITTER:</b>	Karen E. Bowman
<b>Total Attachments: 3</b> source=1887 ORAU Assignment#page1.tif source=1887 ORAU Assignment#page2.tif source=1887 ORAU Assignment#page3.tif	

CH \$40.00 12100011

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**PATENT**  
**REEL: 024156 FRAME: 0850**

**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)**

Hideya Koizumi

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

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

Execution Date(s) 03/29/2010

- ☒ 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: Oak Ridge Associated Universities

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

Street Address: 120 Badger Avenue

City: Oak Ridge

State: TN

Country: USA Zip: 37830

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)

12/100,011

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Edna I. Gergel

Internal Address: UT-Battelle, LLC

Street Address: One Bethel Valley Road

4500N, MS-6258

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Email Address: gergelei@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 Karen E. Bowman

**9. Signature:**

/Edna I. Gergel/

Signature

03/30/2010

Date

Edna I. Gergel, Reg. No. 50819

Name of Person Signing

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

3

Docket No. 1887.0

**ASSIGNMENT**

WHEREAS, I, the below-named inventor whose residence and post office are as stated below, am a co-inventor of certain new and useful improvements in

**AGILE HIGH RESOLUTION ARBITRARY WAVEFORM GENERATOR WITH  
JITTERLESS FREQUENCY STEPPING**

(hereinafter referred to as "Subject Invention") for which are described in United States Patent Application No. 12/100,011 filed on 04/09/2008, and

WHEREAS, Oak Ridge Associated Universities, the not-for-profit operating contractor of the U.S. Department of Energy's Oak Ridge Institute for Science and Education under its prime contract No. DE-AC05-06OR23100, hereinafter referred to as "ASSIGNEE," is desirous of acquiring the entire right, title and interest of the undersigned in the Subject Invention and to any Letters Patent that may be granted therefor in the United States of America and in any and all foreign countries.

NOW, THEREFORE, in accordance with the terms of my employment agreement with ASSIGNEE and for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby assign to ASSIGNEE my entire right, title and interest in the Subject Invention, to all rights of priority thereto pursuant to the International Convention for the Protection of Industrial Property, and in any Letters Patent on the Subject Invention that may be granted in the United States of America and in any and all foreign countries, including any and all Letters Patent that are divisions, reissues, continuations, substitutions or extensions of any Letters Patent or applications therefor on the Subject Invention.

I hereby authorize and request the Commissioner of the United States Patent and Trademark Office and the officials of any and all foreign countries to issue any and all of said Letters Patent, when granted, to the ASSIGNEE.

Further, I hereby agree to communicate to said ASSIGNEE or its representatives any facts known to us respecting said Subject Invention, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, to execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, and to make all rightful oaths and generally do everything possible to aid said ASSIGNEE and its representatives to obtain and enforce proper protection for said Subject Invention in the United States of America and in any and all foreign countries.

I further agree that the terms, covenants and conditions of this assignment shall inure to the benefit of ASSIGNEE, its successors, assigns, and legal representatives, and shall be binding on me, my heirs, legal representatives, and assigns.

Docket No. 1887.0

Full name of inventor: HIDEYA KOIZUMI

Signature: 

Date: 3/29/2010

Residence: 1120 Sandino Dr., Jonesboro, Arkansas 72401

Post Office Address: 1120 Sandino Dr., Jonesboro, Arkansas 72401

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2010, before me, a Notary Public in and for the County and State aforesaid, appeared **HIDEYA KOIZUMI** to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

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

\_\_\_\_\_  
Notary Public

SEAL

My Commission Expires: