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ARL 03-93

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)

Steven C. Tidrow
Frank Crowne
Daniel Potrepka
Bernard J. Rod

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

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

Execution Date(s) 10/2/2009, 10/7/2009

- ☒ 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: The United States of America as represented by the

Internal Address: Secretary of the Army

Street Address: _____

City: Washington

State: DC

Country: USA Zip: 20310

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4. Application or patent number(s):

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

A. Patent Application No.(s)

B. Patent No.(s)

12/427,295

Additional numbers attached? ☐ Yes ☒ No

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

Name: U.S. Army Research Laboratory

Internal Address: Attn: RDRL-LOC-1/Guy M. Miller

Street Address: 2800 Powder Mill Road

City: Adelphi

State: Maryland Zip: 20783

Phone Number: 301-394-3791

Fax Number: 301-394-3972

Email Address: guy.m.miller@arl.army.mil

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 to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 19-2201

Authorized User Name Guy M. Miller

9. Signature:

Guy M. Miller
Signature

10-7-09
Date

Guy M. Miller, Reg. No. 32,333

Name of Person Signing

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

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
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CH \$40.00 192201 12427295

ARL 03-93

ASSIGNMENT AND AGREEMENT

Title of Invention: Ferroelectric Radiation Detector Employing Frequency Modulated Readout

Inventor(s): Steven C. Tidrow, Frank Crowne, Daniel Potrepka, and Bernard J. Rod

Date Declaration Executed: 10/01/2009, 10/07/2009

*Application Serial No.: 12/427,295

*Filing Date: April 21, 2009

(*Data not known at execution may be added later for better identification.)

I (We), the undersigned inventor(s), in consideration of the rights of the Government of the United States acquired by virtue of circumstances under which the above-identified invention was made, hereby:

1. Assign to the Government of the United States, as represented by the Secretary of the Army, the entire right, title, and interest throughout the United States, its Territories, Possessions, and Puerto Rico, in and to the above-entitled invention and application for patent and all Letters Patent issuing thereon, and any continuation, continuation-in-part or division of said application and any reissue or extension of said Letters Patent.

2. Agree to assign to the Government upon its request, title and interest in the invention in those foreign countries in which the Government, within eight months of the filing of the United States application for patent, determines to cause an application to be filed; provided that if the Government determines not to cause an application to be filed in any particular foreign country or fails to make such a determination, within the said eight months, all right, title and interest in the invention in such foreign country shall remain in me (us), subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent in which may issue on the invention in such foreign country, including the power to issue sublicenses for use in behalf of the Government and/or furtherance of the foreign policies of the Government.

3. Agree to provide any further information within my (our) knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, the prosecution and settlement of interferences and recording of title to patent applications and patents issuing thereon.

Signature of 1st Inventor: Steven Clay Tidrow
(First name) (Middle Initial) (Last Name)

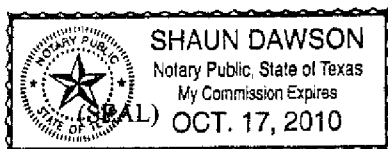
Duty Address: 615 S Sugar Rd, Apt. 13 Hidalgo Texas
Edinburg (County) (State)

Date: 10/2/2009 Typed name of Inventor: Steven C. Tidrow

***** (notarizing preferred) *****

State of: Texas SS.County of: Hidalgo [place where acknowledgement is taken]

On the above date known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed. In witness whereof I hereunto set my hand and official seal.



Shaun Dawson
(Printed or typewritten name of notary public)

Shaun Dawson
(Signature of notary public)

My Commission expires on 10-17-10

ARL 03-93

Signature of 2nd Inventor: Frank J. Crowne
 (First name) (Middle Initial) (Last Name)

Duty Address: ARL, Adelphi, Montgomery Co, MD
 (Locality) (County) (State)

Date: 10-7-09

Typed name of Inventor: Frank Crowne

***** (notarizing preferred) *****

State of: Maryland) SS.

County of: Montgomery) [place where acknowledgement is taken]

On the above date known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed. In witness whereof I hereunto set my hand and official seal.

Nadine L. Loman
 (Printed or typewritten name of notary public)

Nadine L. Loman
 (Signature of notary public)

My Commission expires on February 27, 2011

Signature of 3rd Inventor: Daniel M. Potrepka
 (First name) (Middle Initial) (Last Name)

Duty Address: ARL Montgomery MD
 (Locality) (County) (State)

Date: Oct 7, 2009

Typed name of Inventor: Daniel Potrepka

***** (notarizing preferred) *****

State of: Maryland) SS.

County of: Montgomery) [place where acknowledgement is taken]

On the above date known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed. In witness whereof I hereunto set my hand and official seal.

Nadine L. Loman
 (Printed or typewritten name of notary public)

Nadine L. Loman
 (Signature of notary public)

My Commission expires on February 27, 2011

ARL 03-93

Signature of 4th Inventor: Bernard J. Rod
(First name) (Middle Initial) (Last Name)

Duty Address: ARL Adelphi Montgomery MD
(Locality) (County) (State)

Date: 10-07-09 Typed name of Inventor: Bernard J. Rod

***** (notarizing preferred) *****

State of: Maryland) SS.

County of: Montgomery) [place where acknowledgement is taken]

On the above date known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed. In witness whereof I hereunto set my hand and official seal.

Nadine L. Loman
(Printed or typewritten name of notary public)

Nadine L. Loman
(Signature of notary public)

My Commission expires on February 27, 2011

