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ARL 11-21

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)

Kenneth I. Ranney
Geoffrey H. Goldman
Roberto Innocenti
Jerry L. Silvius

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

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

Execution Date(s) 6/5/2012

- ☒ 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 Government as represented by the

Internal Address: Secretary of the Army

Street Address: 101 Army Pentagon

City: Washington

State: DC

Country: USA Zip: 20310

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)

13/ 488,750

B. Patent No.(s)

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-I/Alan I. Kalb

Street Address: 2800 Powder Mill Road

City: Adelphi

State: Maryland Zip: 20783

Phone Number: 301-394-1769

Fax Number: 301-394-3972

Email Address: nadine.loman.civ@mail.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 Alan I. Kalb

9. Signature:

Alan I. Kalb
Signature

6/7/2012
Date

Alan I. Kalb, Reg. No. 52,486

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:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

CH \$40.00 192201 13488750

ASSIGNMENT AND AGREEMENT

Title of Invention: AUTOFOCUS-BASED COMPENSATION (ABC) SYSTEMS AND METHODS FOR A HOVERING GROUND MOVING TARGET INDICATION (GMTI) SENSOR

Inventor(s): Kenneth I. Ranney, Geoffrey H. Goldman, Roberto Innocenti, Jerry L. Silvius

Date Declaration Executed: 6/5/2012

*Application Serial No.: 13/480,750

*Filing Date: 6/5/12 Docket No.: ARL 11-21

(*I (We) herby authorize the application serial number and filing date of said application be added when known.)

I, the undersigned inventor, 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, my 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 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, 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 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 Inventor: Kenneth I. Ranney
(First name) (Middle Initial) (Last Name)

Duty Address: Army Research Laboratory, Adelphi, Montgomery Maryland
(Locality) (County) (State)

Date: 06/05/2012 Typed name of Inventor: **Kenneth I. Ranney**

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

State of: Maryland) SS.

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

On the above date Kenneth I. Ranney 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)

(SEAL)

My Commission expires on February 27, 2015

ARL 11-21
S/N 13/480,750
Filed 6/5/12

Signature of Inventor: Geoffrey H. Goldman
(First name) (Middle Initial) (Last Name)

Duty Address: Army Research Laboratory, Adelphi, Montgomery Maryland
(Locality) (County) (State)

Date: 6/5/2012 Typed name of Inventor: **Geoffrey H. Goldman**

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

State of: Maryland) SS.

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

On the above date Geoffrey H. Goldman 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)

(SEAL)

My Commission expires on February 27, 2015

Signature of Inventor: Roberto Innocenti
(First name) (Middle Initial) (Last Name)

Duty Address: Army Research Laboratory, Adelphi, Montgomery Maryland
(Locality) (County) (State)

Date: 6/5/2012 Typed name of Inventor: **Roberto Innocenti**

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

State of: Maryland) SS.

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

On the above date Roberto Innocenti 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)

(SEAL)

My Commission expires on February 27, 2015

ARL 11-21

S/N 13/480,750

Filed 6/5/12

Signature of Inventor: Jerry L. Silvious
(First name) (Middle Initial) (Last Name)

Duty Address: Army Research Laboratory, Adelphi, Montgomery Maryland
(Locality) (County) (State)

Date: 6/5/2012 Typed name of Inventor: **Jerry L. Silvious**

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

State of: Maryland) SS.

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

On the above date Jerry L. Silvious 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)

(Signature of notary public)

(SEAL)

My Commission expires on February 27, 2015