

Form PTO-1595 (Rev. 07/05)  
OMB No. 0651-0027 (exp. 6/30/2008)

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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)

Gerald L. Assard

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

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

Execution Date(s) 2 August 2006

- ☒ 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

Internal Address: Naval Undersea Warfare Center, Division

Newport, Office of Counsel

Street Address: 1176 Howell Street

City: Newport

State: RI

Country: U.S. Zip: 02841-1708

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)

B. Patent No. (s)

09/685,148

Navy Case No. 78651

Additional numbers attached? ☐ Yes ☒ No

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

Name: Office of Counsel, Bldg. 112T

Internal Address: Naval Undersea Warfare Center,  
Division, Newport

Street Address: 1176 Howell Street

City: Newport

State: RI Zip: 02841-1708

Phone Number: 401-832-4736

Fax Number: 401-832-1231

Email Address: \_\_\_\_\_

### 6. Total number of applications and patents involved: \_\_\_\_\_

### 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

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Authorized User Name NUWC

### 9. Signature:

James M. Kasischke  
Signature

JAMES M. KASISCHKE  
Name of Person Signing

16 August 2006  
Date

Total number of pages including cover sheet, attachments, and documents: 2

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

## ASSIGNMENT

## TITLE

Demodulation System and Method for Recovering A Signal of Interest  
From a Modulated Carrier Sampled at Two Times the Phase Generated  
Carrier Frequency

INVENTOR(S) (Name) GERALD L. ASSARD		CONTRACTOR GLACO	
CONTRACT NO. N66604-96-C-1092		GOVERNMENT AGENCY U.S. NAVY	
CONTRACTOR INVENTION DOCKET NO.		AGENCY DOCKET NO. 78651	
DATE EXECUTED	SERIAL NO.	FILING DATE	

The undersigned Inventor(s), in recognition of (his) obligation as employee(s) of the Contractor to assign inventions to the Contractor, and pursuant to the obligations of the Contractor to the Government under the above contract, hereby (assigns) to the United States of America, subject to a nonexclusive and royalty-free license which is hereby reserved to the Contractor, all right, title and interest in and to each invention disclosed and claimed in the above U.S. patent application

The license reserved to the Contractor shall extend to all existing and future associated and affiliated companies, if any, within the corporate structure of which the Contractor is a part and shall be assignable to the successor of that part of the Contractor's business to which such invention pertains.

The Inventor(s) further agrees to assist the Contractor, and the Government, upon request, by furnishing any available information and documents, and by performing all acts and doing all things which may be reasonably necessary to make this assignment effective.

The Contractor joins in and agrees to the foregoing assignment, and except for the above reservation of a license relinquishes and assigns all right, title and interest in and to such invention, and further agrees to furnish to the United States of America, upon request, any available information and documents necessary for the prosecution of the above-identified application for patent (including prosecution and settlement of interferences), and any substitution, division, continuation-in-part, or continuation of such patent application and any application for reissue of any patent resulting from such patent application.

2 Aug 2006

DATE

Gerald L. Assard

INVENTOR

(Seal)

GERALD L. ASSARD

SIGNED THIS

2nd

DAY OF

August

20

06

ATTEST:

Dana N. Assard

**DANA N. ASSARD**  
**NOTARY PUBLIC**  
My Commission Expires Sept. 30, 2008

FOR THE CONTRACTOR (Seal)

Notary Public

TITLE

PATENT

RECORDED: 08/16/2006

REEL: 018127 FRAME: 0153