

06-23-2005



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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)

Barbara E. Pauplis

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

2. Name and address of receiving party(ies)

Name: Raytheon Company

Internal Address: _____

Street Address: 870 Winter Street

City: Waltham

State: MA

Country: US Zip: 02451-1449

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

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

Execution Date(s) June 13, 2005

- Assignment Merger
- Security Agreement Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

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)

Additional numbers attached? Yes No

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

Name: Pearson & Pearson, LLP

Internal Address: _____

Street Address: 10 George Street

City: Lowell

State: MA Zip: 01852

Phone Number: 978.452.1971

Fax Number: 978.453.8887

Email Address: wfd@pearson-pearson.com

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 _____

Authorized User Name _____

9. Signature:

Walter F Dawson

Signature

6-16-05

Date

06/22/2005 DRYNE
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00000181 11154397 WALTER F. DAWSON
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 (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450



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ASSIGNMENT

WHEREAS I, Barbara E. Pauplis of **43 Estabrook Road, Carlisle, Massachusetts 01741**, a citizen of the **United States of America** (hereinafter called **Assignor**) have invented certain new and useful improvements in **CALIBRATION METHOD FOR RECEIVE ONLY PHASED ARRAY RADAR ANTENNA**, which application was executed on even date herewith (and is further identified by **Pearson and Pearson, LLP Docket Number 33554**); and

WHEREAS **Raytheon Company**, a corporation duly organized under the Laws of the **State of Delaware**, located at **870 Winter Street, Waltham, County of Middlesex, Massachusetts**, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in consideration of Ten (\$10.00) Dollars, the receipt of which is hereby acknowledged, and other good and valuable consideration, **Assignor** has sold, assigned and transferred and by these presents do sell, assign and transfer unto the said **Raytheon Company**, its successors and assigns the full and exclusive right, title and interest in and to said invention and in and to said patent application in the United States of America and its territorial possessions and in any and all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States of America or in any and all said foreign countries and in and to any and all divisions, continuations, renewals, substitutions or reissues and extensions thereof for the full term or terms for which the same may be granted;

Assignor hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

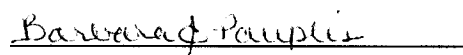
Assignor hereby authorizes and requests the Patent and Trademark Office officials in the United States of America and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said **Raytheon Company** as the assignee of **Assignor's** entire right, title and interest in and to the same for the sole use and behoof of said **Raytheon Company**, its successors and assigns to the full end of the term for

which any of said Letters Patent may be granted as fully and entirely as the same would have been held by **Assignor** had this assignment and sale not been made;

Further, **Assignor** agrees to communicate to **Raytheon Company** or its representatives any facts known to **Assignor** respecting said invention, to testify in any legal proceeding, to sign all lawful papers, to 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 **Raytheon Company**, to make all rightful oaths and generally to do everything possible to aid said **Raytheon Company**, its successors and assigns to obtain and enforce proper protection for said invention in the United States of America and in any and all foreign countries without further compensation, but at the expense of **Raytheon Company**, its successors, assigns or other legal representatives; and

Assignor hereby appoints the Secretary or any other officer of **Raytheon Company** as **Assignor's** attorney-in-fact and agent to execute all documents required or appropriate to perfect or enforce all rights assigned under this Agreement and further authorizes **Assignor's** attorney and attorneys and the attorney and attorneys for **Raytheon Company** to register this assignment in any and all countries.

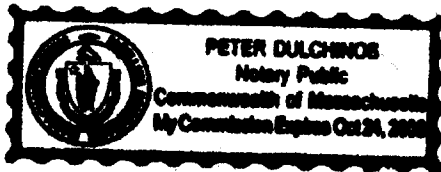
IN TESTIMONY WHEREOF Barbara E. Pauplis has hereunto set her hand and seal this 13th day of June, 2005.


Barbara E. Pauplis

Commonwealth of Massachusetts)
) ss:
County of Middlesex)

On this 13th day of June, 2005, before me, the undersigned notary public, personally appeared Barbara E. Pauplis, proved to me through satisfactory evidence of identification, which were personal knowledge, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that she signed it voluntarily for its stated purpose.

(Notarial Seal)



Peter Dulchinos

Notary Public Peter Dulchinos
My commission expires: Oct. 24, 2008