

05-08-2003

(ATTORNEY DOCKET 064752.0343)

FORM PTO 1595
1-31-92

R



102442527

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name and Address of Conveying Party(ies):

Individual: Raphael Joseph Welsh
327 Magothy Bridge Road (Ann Arundel County)
Pasadena, Maryland 21122-4125Citizenship: United States of AmericaAdditional name(s) of conveying party(ies) attached?
☐ Yes ☒ No

2. Name and Address of receiving Party(ies):

Name: Raytheon Company

Internal Address:

Street Address: 141 Spring Street

City: Lexington

State: Massachusetts

Corporation/State DelawareAdditional name(s) &
Address(es) attached?☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other:

Execution Date: 11/26/2002

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: 12/09/2002

A. Patent Application No.(s):

B. Patent No.(s):

Additional Numbers

☐ Yes ☒ No

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

Name: Bradley P. Williams, Esq.
Internal Address: Baker Botts L.L.P.
Street Address: 2001 Ross Avenue, Suite 600
City: Dallas
State: Texas Zip 75201-2980

6. Total number of application and patents involved: One

7. Total Fee (37C.F.R. 3.41): \$40.00

☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit Account Number:

(Attach Duplicate Copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Bradley P. Williams

Reg. No. 40,227

Name of Person Signing

Signature

Date

Total number of pages including cover sheet

3

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion

Mail documents to be recorded with required cover sheet information:

Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project, (0651-0011), Washington, D.C. 20503

05/07/2003 ECDOPER 00000234 10315283

01 FC:8021

40.00 OF

DAL01:732915.1

PATENT
REEL: 014032 FRAME: 0709

12-17-2002

FORM PTO 1595
1-31-92

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

102312847

To the Honorable Commissioner of

...ed original documents or copy thereof.

1. Name and Address of Conveying Party(ies):

Individual: Raphael Joseph Welsh
327 Magothly Bridge Road (Ann Arundel County)
Pasadena, Maryland 21122-4125

Citizenship: United States of America

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: 141 Spring Street

City: Lexington

State: Massachusetts

Corporation/State Delaware

Zip: 02421

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other:

Additional name(s) & Address(es) attached? ☐ Yes ☒ No

Execution Date: ~~10/26/2002~~ 11/24/2002

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: 12/03/2002

A. Patent Application No.(s):

B. Patent No.(s):

Additional Numbers ☐ Yes ☒ No

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

Name: Jerry W. Mills, Esq.
Internal Address: Baker Botts L.L.P.
Street Address: 2001 Ross Avenue, Suite 600
City: Dallas
State: Texas Zip 75201-2980

6. Total number of application and patents involved: One

7. Total Fee (37C.F.R. 3.41): \$40.00

☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit Account Number:

(Attach Duplicate Copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Bradley P. Williams

Reg. No. ~~40,222~~ 40,227

Name of Person Signing

Signature

December 9, 2002

Date

Total number of pages including cover sheet

3

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion

Mail documents to be recorded with required cover sheet information:

Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project, (0651-0011), Washington, D.C. 20503

12/16/2002 DBYRNE 00000046 10315283

01 FC:8021

40.00 OP

ASSIGNMENT

WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors) of residence as listed, have invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, a Declaration for said application having been executed on the date set forth below; and

WHEREAS, Raytheon Company (hereinafter referred to as "Assignee"), a Delaware Corporation, with an address of 141 Spring Street, Lexington, Massachusetts 02421, desires to acquire my entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I assign to Assignee, all right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, continuations, continuations-in-part and extensions thereof; and I authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as my interest is concerned, to Assignee.

I also assign to Assignee, all right, title and interest in and to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world, including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee.

I will communicate to Assignee any facts known to me respecting any improvements; and, at the expense of Assignee, I will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries

This Assignment shall be binding on the parties' successors, assigns and legal representatives.

Title of Invention: SIGNAL DETECTION ANTENNA

Signature of Inventor:

Raphael Joseph Welsh

Inventor's Name:

Raphael Joseph Welsh

Residence:

327 Magothy Bridge Road
(Ann Arundel County)
Pasadena, Maryland 21122-4125

Date:

11/26/02

Date Declaration Executed:

11/26/02