

05-14-2002

A. TORNEY DOCKET: 004578.1146

Sheet 1 of 1

FORM PTO 1595

1-31-92

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

102088509

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

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

Daniel T. McGrath
2102 Old McGarrah Rd.
McKinney, Collin County, Texas 75070

Individual Citizenship: United States of America

Additional name(s) of conveying party(ies) attached?

Yes ☐ No ☒

3. Nature of conveyance:

<input checked="" type="checkbox"/> Assignment	<input type="checkbox"/> Merger
<input type="checkbox"/> Security Agreement	<input type="checkbox"/> Change of Name
<input type="checkbox"/> Other	

Execution Date: April 29, 2002

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

Name: RAYTHEON COMPANY

Street Address: 141 Spring Street

City: Lexington

State: Massachusetts Zip: 02421-7899

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

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: April 29, 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: Harold E. Meier

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)

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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.

Harold E. Meier

Signature

May 2, 2002
Date

Total number of pages including cover sheet

3

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ASSIGNMENT

WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, 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 hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to Assignee.

I also assign to Assignee, all right, title and interest 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:

**ASYMMETRIC-ELEMENT REFLECT
ARRAY ANTENNA**

Signature of Inventor:

Inventor's Name:

Daniel T. McGrath
Daniel T. McGrath

Residence (City, County, State):

McKinney, Collin County, Texas

Date Assignment Executed:

29 Apr 02

Date Application Executed:

29 Apr 02