

FORM PTO-1595
1-31-92

6/17/05

06-23-2005



U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Honorable Commissioner of

103026656

ached original documents or copy thereof.

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

George P. Bortnyk
13938 85 Terrace North
Seminole, Florida 33776
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: 870 Winter Street
City: Waltham
State: MA Zip 02451-1449

OFFICE OF PUBLIC RECORDS
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FINANCE SECTION

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

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

Effective Date/Execution Date: 01/16/2003; 01/16/2003

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: _____

A. Patent Application No.(s) 11/007,084 filed 12/07/2004

B. Patent No.(s)

Additional Numbers attached? Yes No

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

Name: Kevin J. Meek.
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 applications and patents involved: One (1)

7. Total Fee (37 CFR 3.41):

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.

Kevin J. Meek
Name of Person Signing

Signature

6/13/05
Date

Total number of pages including cover sheet 5

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

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06/22/2005 ECOOPER 00000405 11007084

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Mail Stop Assignment Recordation
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Alexandria, VA 22313-1450

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.

FORM PTO-1595
ATTACHMENT

1. **Name of Conveying Parties – Continued – ALL INDIVIDUALS**

David J. Lupia
50 Stanton Circle
Oldsmar, Florida 34677
Citizenship: United States of America

ATTORNEY DOCKET NO.
064750.0453

ASSIGNMENT

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 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.

ATTORNEY DOCKET NO.
064750.0453

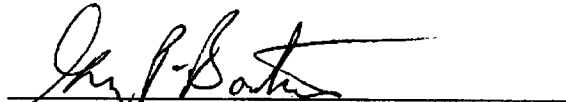
ASSIGNMENT

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

Title of Invention:

COMBINING SIGNALS EXHIBITING
MULTIPLE TYPES OF DIVERSITY

Signature of Inventor:



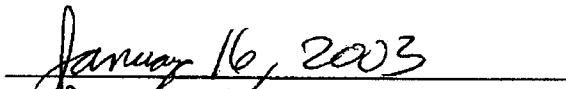
Inventor's Name:

George P. Bortnyk

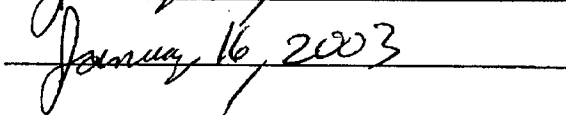
Residence (City, County, State):

Seminole, Pinellas County, Florida

Date Assignment Executed:



Date Application Executed:



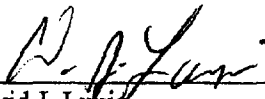
ATTORNEY DOCKET NO.
064750.0453

ASSIGNMENT

Title of Invention:

COMBINING SIGNALS EXHIBITING
MULTIPLE TYPES OF DIVERSITY

Signature of Inventor:
Inventor's Name:



David J. Lypia

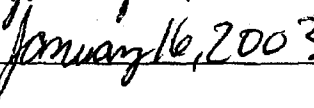
Residence (City, County, State):

Oldsmar, Pinellas County, Florida

Date Assignment Executed:



Date Application Executed:



DAL01:716401.1

RECORDED: 06/17/2005

PATENT
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