

## asRECORDATION FORM COVER SHEET

## PATENTS ONLY

Atty Ref/Docket No.: 1547.080US1

Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Frederick B. Koehler, William D. Werries, David J. Markason, David G. Anthony, Robert Rinker and Thomas E. Roberts

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

[ ] Yes [X] No

2. Name and address of receiving party(ies):

Name: Raytheon Company

Street Address: 870 Winter Street

City: Waltham State: MA Zip: 02451-1449

Additional name(s) &amp; address(es) attached? [ ] Yes [X] No

3. Nature of conveyance:

[X] Assignment

[ ] Merger

[ ] Security Agreement [ ] Change of Name

[ ] Other

Execution Date: January 14, 2009, January 9, 2009,  
January 6, 2009, January 15, 2009, January 20, 2009,  
January 15, 2009

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)

B. Patent No.(s)

Serial No. 12/323,967, filed November 26, 2008

Additional numbers attached? [ ] Yes [X] No

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

Name: Gregory J. Gorrie

Address:

Schwegman, Lundberg & Woessner, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402-09386. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): \$ 40.00

[ ] Enclosed

[X] Authorized to be charged to deposit account  
19-0743

8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743

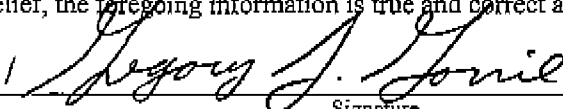
**DO NOT USE THIS SPACE**

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.

Gregory J. Gorrie/Reg. No. 36,530

Name of Person Signing



Signature

February 19, 2009

Date

Total number of pages including cover sheet: 9

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks  
Mail Stop Assignment Recordation Services  
P.O. Box 1450  
Alexandria, VA 22313-1450

700399989

PATENT  
REEL: 022283 FRAME: 0443

CH \$40.00 190743 12323967

### ASSIGNMENT

WHEREAS, We, Frederick B. Koehler, residing at 5000 W. Monte Carlo Dr., Tucson, AZ 85745-9643, and William D. Werries, residing at 8889 N. Upper Bluffs Dr., Tucson, AZ 85742, and David J. Markason, residing at 3362 E. Linden St., Tucson, AZ 85716, and David G. Anthony, residing at 13052 N. Pier Mountain Rd., Marana, AZ 85653-4226, and Robert Rinker, residing at 5901 N. Via Verdosa, Tucson, AZ 85750, and Thomas E. Roberts, residing at 9800 E. Vermillion Pl., Tucson, AZ 85749-8170, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on November 26, 2008, which application was assigned U.S. patent application serial number 12/323,967, and is entitled GIMBALED SYSTEM WITH OPTICAL COUDÉ PATH AND METHOD TRANSFERRING DATA:

AND WHEREAS, Raytheon Company, a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 870 Winter Street, Waltham, MA 02451-1449 (hereinafter "Assignee"), is desirous of acquiring the entire right, priority right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

Docket No: 1547.080US1

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Title: GIMBALED SYSTEM WITH OPTICAL COUDÉ PATH AND METHOD TRANSFERRING DATA

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AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

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IN TESTIMONY WHEREOF, I have hereunto set my hand this 14 day of  
JANUARY, 2009



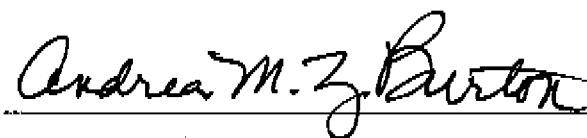
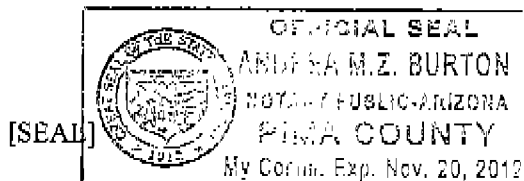
Frederick B. Kochler

STATE OF ARIZONA

)ss

COUNTY OF PIMA

On this 14<sup>th</sup> day of January, 2009 before me personally appeared Frederick B. Kochler, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.



Notary Public

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IN TESTIMONY WHEREOF, I have hereunto set my hand this 9<sup>th</sup> day ofJanuary, ~~2008~~ <sup>WDW</sup>  
2009William D. Werries

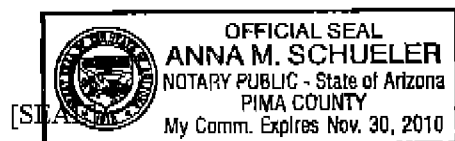
William D. Werries

STATE OF Arizona)

)ss

COUNTY OF Pima)

On this 9<sup>th</sup> day of January, 200~~8~~<sup>9 AMC</sup> before me personally appeared William D. Werries, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

Anna M. Collins formerly known  
as Anna M. Schueler

Notary Public

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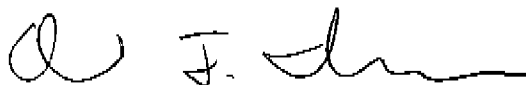
Client Ref. No. 08W232

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IN TESTIMONY WHEREOF, I have hereunto set my hand this 6 day ofJanuary, 2008<sup>am</sup>  
9

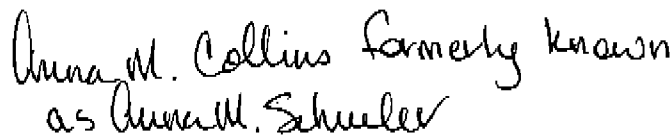
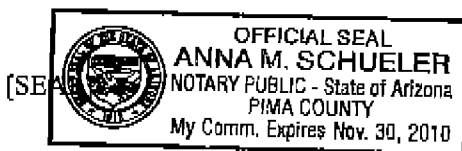
David J. Markason

STATE OF Arizona

)ss

COUNTY OF Pima

On this 6<sup>th</sup> day of January, 2008<sup>9</sup> before me personally appeared David J. Markason, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.



Notary Public

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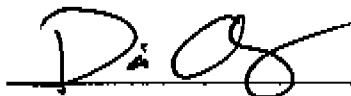
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Filing Date: November 26, 2008

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IN TESTIMONY WHEREOF, I have hereunto set my hand this 15 day of  
Jan, 2008. <sup>9 PM</sup>



David G. Anthony

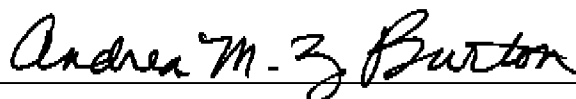
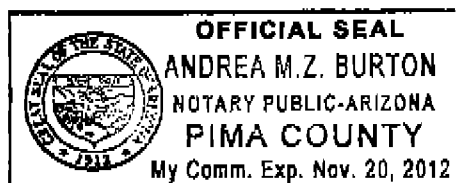
STATE OF ARIZONA )

)ss

COUNTY OF PIMA )

On this 15<sup>th</sup> day of January, 2008 <sup>9 PM</sup> before me personally appeared David G. Anthony, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]



Notary Public

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IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_ day of

1-20-2009, 2009 <sup>20</sup>

Robert Rinker

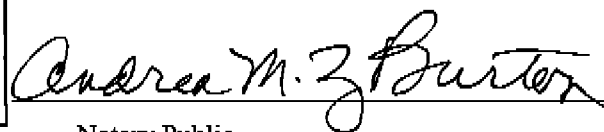
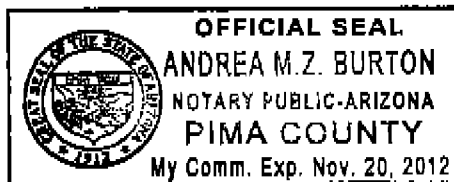
STATE OF ARIZONA )

)ss

COUNTY OF PIMA )

On this 20<sup>th</sup> day of JANUARY, 2009 <sup>20</sup> before me personally appeared Robert Rinker, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]



Notary Public



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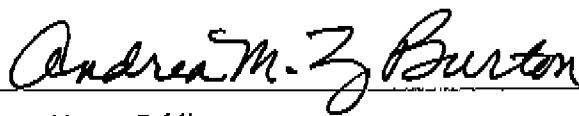
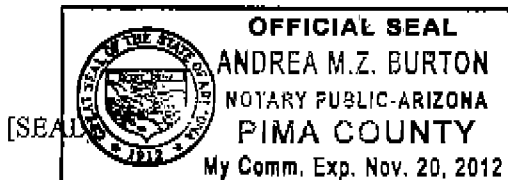
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IN TESTIMONY WHEREOF, I have hereunto set my hand this 15 day ofJanuary, 2008. <sup>9 TR</sup>  
Thomas E. RobertsSTATE OF ARIZONA

)ss

COUNTY OF PIMA

On this 15<sup>th</sup> day of January, 2008<sup>9<sup>am</sup></sup> before me personally appeared Thomas E. Roberts, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

  
Notary Public