

03-14-2006

Form PTO-1595 (Rev. 03/05)  
OMB No. 0651-0027 (exp. 6/30/2005)

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office



3/9/06

103195417  
PATENTS ONLY

LET

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)**

James P. Mills, David G. Garrett, Wayne L. Sunne,  
David J. Knapp, Daniel W. Brunton, David G. Anthony,  
Emmet R. Anderson, Daniel C. Harrison, Frank E. Smith III,  
Jim R. Hicks

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

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

Name: Raytheon Company

Internal Address: Building 807 / MS F8

Street Address: 1151 E. Hermans Road

City: Tucson

State: Arizona

Country: USA Zip: 85706

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

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

Execution Date(s) January 9, 2006

- 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):**

A. Patent Application No.(s)  
11/243,562

This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Daniel J. Noblitt

Internal Address: NOBLITT & GILMORE, LLC

Street Address: 4800 North Scottsdale Road

Suite 6000

City: Scottsdale

State: AZ Zip: 85251-7630

Phone Number: (480) 994-9859

Fax Number: (480) 994-9025

Email Address: \_\_\_\_\_

**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 1000  
Expiration Date 11/08

b. Deposit Account Number 50-2993

Authorized User Name Noblitt & Gilmore, LLC

**9. Signature:**

Signature

03/4/2006

Date

03/10/2006 DBYRNE 00000008 11243562

01 FC:802

40.00 Daniel J. Noblitt  
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 7

Documents to be recorded (including cover sheet) should be faxed to (703) 306-6995, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

**ASSIGNMENT**

**WHEREAS**, each undersigned inventor (hereinafter "ASSIGNOR") of the address indicated below, is an inventor of "OPTICAL FIBER ASSEMBLY WRAPPED ACROSS GIMBAL AXES" for which an application for Letters Patent of the United States has been executed on October 5, 2005;

**AND WHEREAS**, Raytheon Company (hereinafter "ASSIGNEE"), an entity having its principal place of business and mailing address at Raytheon Company, 1151 E. Hermans Road, Building 807 / MS F8, Tucson, AZ 85706 is desirous of memorializing its interest therein;

**NOW, THEREFORE**, the undersigned ASSIGNOR hereby confirms ASSIGNEE owns the invention as described in the aforesaid application. Nonetheless, to comport with Patent and Trademark Office procedures, ASSIGNOR memorializes that transfer in the form of this assignment and;

**THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR by these presents does sell, assign, and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the ASSIGNOR's full and exclusive right to the invention as described in the aforesaid application, in the United States and all foreign countries, together with any related applications or rights, including any provisional, nonprovisional, continuation, continuation-in-part, divisional, reissue, reexamination, foreign, PCT, or other patent application or like document or right, and any right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States adheres, and hereby authorizes and requests the Commissioner of Patents to issue any Letters Patent issuing from or claiming priority to said application to ASSIGNEE, for the sole use and benefit of ASSIGNEE, its successors, assigns and legal representatives,

**AND HEREBY AGREES** to transfer a like interest upon request of ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements and applications for patents based thereon, growing out of or relating to the invention; and to provide all reasonable assistance and execute any papers deemed essential by ASSIGNEE, its successors, assigns and legal representatives, to ASSIGNEE's full protection and title in and to the invention hereby transferred,

**AGREEING, FURTHERMORE**, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE.

EXECUTED as of the date written below by ASSIGNOR:

Inventor: James P. Mills

Signature: *James P. Mills* Date: 15 Dec 05

Residence address: 6521 N. Columbus Blvd., Tucson, AZ 85718

STATE OF Arizona )  
 ) ss.  
COUNTY OF Pima )

On this 15 day of December, 2005, before me, a notary public in and for said county, appeared James P. Mills, who is known to me to be the same person whose name is subscribed to the foregoing instrument, and s/he acknowledges that s/he signed, sealed and delivered the said instrument as a free and voluntary act for the uses and purposes therein set forth.



*Karen D. Karl*  
Notary Public

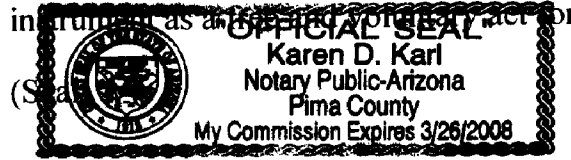
Inventor: David G. Garrett

Signature: *David G. Garrett* Date: 4 JAN 06

Residence address: 6325 E. Calle De Mirar, Tucson, AZ 85750

STATE OF Arizona )  
 ) ss.  
COUNTY OF Pima )

On this 4 day of January, 2006 before me, a notary public in and for said county, appeared David G. Garrett, who is known to me to be the same person whose name is subscribed to the foregoing instrument, and s/he acknowledges that s/he signed, sealed and delivered the said instrument as a free and voluntary act for the uses and purposes therein set forth.



*Karen D. Karl*  
Notary Public

Inventor: Wayne L. Sunne

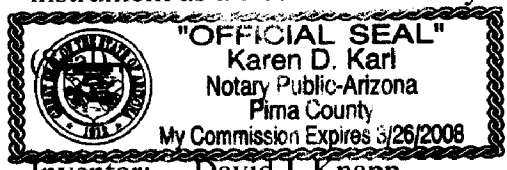
Signature: Wayne Anne Date: 12-15-05

Residence address: 3838, E. Calle Barcelona, Tucson, AZ 85716

STATE OF Arizona )  
 ) ss.  
COUNTY OF Pima )

On this 15 day of December, 2005, before me, a notary public in and for said county, appeared Wayne Anne, who is known to me to be the same person whose name is subscribed to the foregoing instrument, and s/he acknowledges that s/he signed, sealed and delivered the said instrument as a free and voluntary act for the uses and purposes therein set forth.

Karen D. Karl  
Notary Public



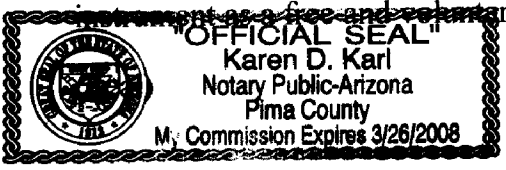
Inventor: David J. Knapp  
Signature: [Signature] Date: 1/9/06

Residence address: 2581 W. Drachman St., Tucson, AZ 85745

STATE OF Arizona )  
 ) ss.  
COUNTY OF Pima )

On this 9 day of January, 2006 before me, a notary public in and for said county, appeared Daniel W. Brunton, who is known to me to be the same person whose name is subscribed to the foregoing instrument, and s/he acknowledges that s/he signed, sealed and delivered the said instrument as a free and voluntary act for the uses and purposes therein set forth.

Karen D. Karl  
Notary Public

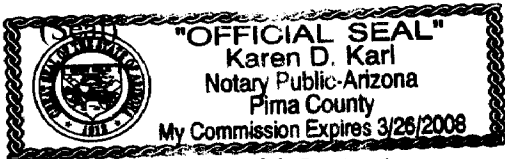


Inventor: Daniel W. Brunton  
Signature: X Daniel W Brunton Date: 12/16/05

Residence address: 11650 E. Golf Links Rd., Tucson, AZ 85730

STATE OF Arizona )  
 ) ss.  
COUNTY OF Pima )

On this 16 day of December, 2005, before me, a notary public in and for said county, appeared David G. Anthony, who is known to me to be the same person whose name is subscribed to the foregoing instrument, and s/he acknowledges that s/he signed, sealed and delivered the said instrument as a free and voluntary act for the uses and purposes therein set forth.



Karen D. Karl  
Notary Public

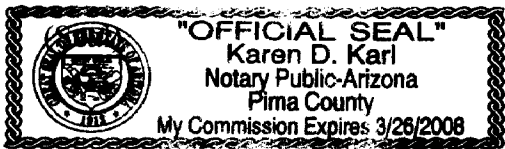
Inventor: David G. Anthony

Signature: [Signature] Date: 12-15-05

Residence address: 13052 N. Pier Mountain Rd., Marana, AZ 85653

STATE OF Arizona )  
 ) ss.  
COUNTY OF Pima )

On this 15 day of December, 2005, before me, a notary public in and for said county, appeared David G. Anthony, who is known to me to be the same person whose name is subscribed to the foregoing instrument, and s/he acknowledges that s/he signed, sealed and delivered the said instrument as a free and voluntary act for the uses and purposes therein set forth.



Karen D. Karl  
Notary Public

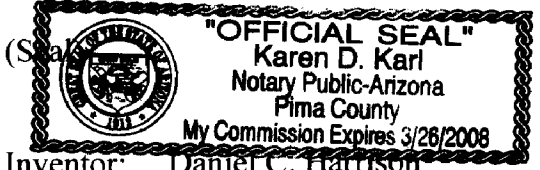
Inventor: Emmet R. Anderson

Signature: [Signature] Date: Dec. 15, 2005

Residence address: 6140 N. Tarragon Ave., Tucson, AZ 85741

STATE OF Arizona )  
 ) ss.  
COUNTY OF Pima )

On this 15 day of December, 2005, before me, a notary public in and for said county, appeared Emmett R. Anderson, who is known to me to be the same person whose name is subscribed to the foregoing instrument, and s/he acknowledges that s/he signed, sealed and delivered the said instrument as a free and voluntary act for the uses and purposes therein set forth.



Karen D. Karl  
Notary Public

Inventor: Daniel C. Harrison

Signature: Daniel C Harrison Date: 1/5/06

Residence address: 8148 N. Millwheel Place, Tucson, AZ 85741

STATE OF Arizona )  
 ) ss.  
COUNTY OF Pima )

On this 5 day of January, 2006, before me, a notary public in and for said county, appeared Daniel C. Harrison, who is known to me to be the same person whose name is subscribed to the foregoing instrument, and s/he acknowledges that s/he signed, sealed and delivered the said instrument as a free and voluntary act for the uses and purposes therein set forth.



Karen D. Karl  
Notary Public

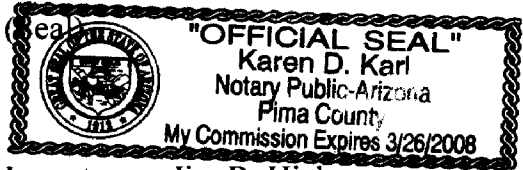
Inventor: Frank E. Smith, III

Signature: F. E. Smith Date: 1/4/06

Residence address: 4325 N. Craycroft Rd, Tucson, AZ 85718

STATE OF Arizona )  
 ) ss.  
COUNTY OF Pima )

On this 4 day of January, 2006, before me, a notary public in and for said county, appeared Frank Smith, who is known to me to be the same person whose name is subscribed to the foregoing instrument, and s/he acknowledges that s/he signed, sealed and delivered the said instrument as a free and voluntary act for the uses and purposes therein set forth.



Karen D. Karl  
Notary Public

Inventor: Jim R. Hicks

Signature: Jim R. Hicks Date: 12-16-05

Residence address: 2438 N. Quesnel Loop, Tucson, AZ 85715

STATE OF ARIZONA )  
 ) ss.  
COUNTY OF Pima )

On this 16 day of December, 2005, before me, a notary public in and for said county, appeared Jim R. Hicks, who is known to me to be the same person whose name is subscribed to the foregoing instrument, and s/he acknowledges that s/he signed, sealed and delivered the said instrument as a free and voluntary act for the uses and purposes therein set forth.



Karen D. Karl  
Notary Public