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To the Honorable Commissioner of Patents and 1

documents or copy thereof.

Name of conveying party(ies):

Henry C. Abbink  
Edward Kanegsberg  
Kenneth D. Marino  
Charles H. Volk



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

Name: Northrop Grumman Corporation  
Address: 1840 Century Park East  
Los Angeles, CA 90067-2199

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

3. Nature of Conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

Execution Date(s) 02/20/06; 02/22/06; 02/18/06; 12/21/05

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

4. Application number(s) or patent number(s): 11/312,310

If this document is being filed together with a new application, the execution date(s) of the application is (are): 02/20/06; 02/22/06; 02/18/06; 12/21/05

A. Patent Application No.(s)

B. Patent No.(s)

03/06/2006 CNGUYEN2 00000045 11312310

02 FC:8021

40.00 DP

Additional numbers attached?  Yes  No

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

Carmen B. Patti  
Carmen B. Patti & Associates, LLC  
Customer Number 32205

Docket No.: NGC-227/000819-199

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.4):..... \$ 40.00

- Enclosed
- Authorized to be charged to business credit card

8. Deposit account number:

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.

Carmen B. Patti  
Name of Person Signing  
Reg. No. 26,784

*Carmen B. Patti*  
Signature

March 1, 2006  
Date

Do not detach this portion

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

Commissioner for Patents  
Mail Stop Assignments  
P. O. Box 1450  
Alexandria, VA 22313-1450

## ASSIGNMENT AND AGREEMENT

For value received, we, **Henry C. Abbink**, residing in the town of Westlake Village, in the County of Los Angeles, in the State of California, **Edward Kanegsberg**, residing in the town of Pacific Palisades, in the County of Los Angeles, in the State of California, **Kenneth D. Marino**, residing in the town of Oak Park, in the County of Los Angeles, in the State of California, **Charles H. Volk**, residing in the town of Newbury Park, in the County of Ventura, in the State of California, hereby sell, assign and transfer to Northrop Grumman Corporation, a corporation of the State of Delaware, having an office at 1840 Century Park East, Los Angeles, CA 90067-2199, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to **MICRO-CELL FOR NMR GYROSCOPE** the specification of *is filed herewith* for Letters Patent of the United States, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to Northrop Grumman Corporation the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize Northrop Grumman Corporation to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Northrop Grumman Corporation to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to Northrop Grumman Corporation in the United States and in all countries foreign to the United States, or to such nominees as Northrop Grumman Corporation may designate.

We agree that, when requested, we shall, without charge to Northrop Grumman Corporation but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

*Henry C. Abbink*  
Henry C. Abbink  
02/20/06

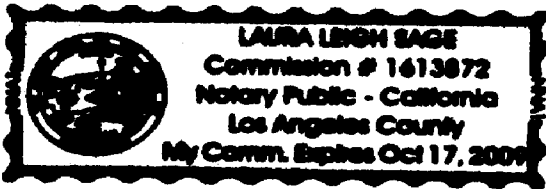
Date: FEBRUARY 20, 2006

United States of America

State of CALIFORNIA

County of LOS ANGELES

On this 20<sup>th</sup> day of FEBRUARY, 2006, before me personally came **Henry C. Abbink**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



*Laura Leigh Sage*  
Notary Public

Edward Kanegsberg 2/22/2006  
Edward Kanegsberg

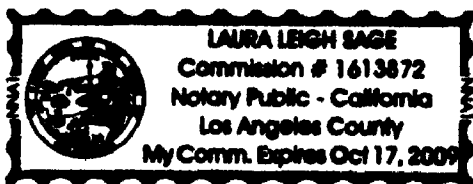
Date: FEBRUARY 22, 2006

United States of America

State of CALIFORNIA

County of LOS ANGELES

On this 22<sup>nd</sup> day of FEBRUARY, 2006, before me personally came **Edward Kanegsberg**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Laura Leigh Sage  
Notary Public

Kenneth D. Marino  
Kenneth D. Marino

Date: Feb 18, 2008

United States of America

State of California

County of Contra Costa

On this 18<sup>th</sup> day of February, 2008, before me personally came **Kenneth D. Marino**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Grigori G. Nemet  
Notary Public



Charles H. Volk  
Charles H. Volk

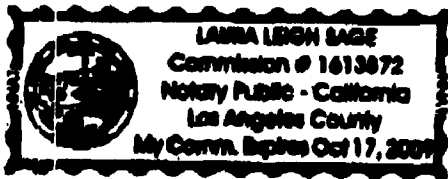
Date: 21 December 2005

United States of America

State of CALIFORNIA

County of LOS ANGELES

On this 21<sup>ST</sup> day of DECEMBER, 2005, before me personally came **Charles H. Volk**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Larra Leigh Sage  
Notary Public