

RECORDATION FORM COVER  
PATENT

07-07-2003



To the Honorable Commissioner of Patents and Trademarks. Please re

102489443

ereof.

Name of conveying party(ies):

Kurt R. Carlson  
Kristin C. Cooley  
John P. Rahn  
Manfred Schiruska

6-20-03

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

Name: Northrop Grumman Corporation  
Address: 21240 Burbank Boulevard  
Woodland Hills, CA 91367-6675

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): 06/12/2003; 06/12/2003; 06/16/2003;  
06/12/2003

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

17437 U.S. PTO  
10/600985  
06/20/03

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date(s) of the application is (are): 06/12/2003; 06/12/2003;  
06/16/2003; 06/12/2003

A. Patent Application No.(s)

10600985

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Robert J. Brill  
Patti & Brill, LLC  
Customer Number 32205

Docket No.: NGC-139/000009-199

6. Total number of applications and patents involved: 1

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

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number: 50-1941

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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.*

Robert J. Brill  
Name of Person Signing  
Reg. No. 36,760

*Robert J. Brill*  
Signature

June 20, 2003  
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, **Kurt R. Carlson**, residing in the town of Simi Valley, in the County of **Ventura County**, in the State of California, **Kristin C. Cooley**, residing in the town of Sherman Oaks, in the County of **Los Angeles**, in the State of California, **John P. Rahn**, residing in the town of West Hills, in the County of **Los Angeles**, in the State of California, and **Manfred Schiruska**, residing in the town of Woodland Hills, in the County of **Los Angeles**, 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 21240 Burbank Boulevard, Woodland Hills, California 91367-6675, 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 **POLYMERIC MATERIAL WITH VOIDS THAT COMPRESS TO ALLOW THE POLYMERIC MATERIAL TO ABSORB APPLIED FORCE AND DECREASE REACTION FORCE TO ONE OR MORE SENSOR FIBERS** the specification of which *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 me, 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 they 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.

Kurt R. Carlson  
Kurt R. Carlson

Date: 6/12/03

United States of America

State of California

County of Los Angeles

On this 12<sup>th</sup> day of June, 20 03, before me personally came **Kurt R. Carlson**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Patrisa Ann Davis  
Notary Public



*Kristin C. Cooley*  
\_\_\_\_\_  
**Kristin C. Cooley**

Date: 06/12/03

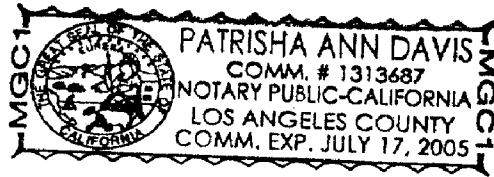
United States of America

State of *California*

County of *Los Angeles*

On this 12<sup>th</sup> day of June, 2003, before me personally came **Kristin C. Cooley**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

*Patrisa Ann Davis*  
\_\_\_\_\_  
Notary Public



John P. Rahn  
John P. Rahn

Date: 6-16-03

United States of America

State of California

County of Los Angeles

On this 16<sup>th</sup> day of June, 2003, before me personally came **John P. Rahn**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Patricia Davis  
Notary Public



Manfred Schiruska  
**Manfred Schiruska**

Date: 6-12-03

United States of America

State of California

County of Los Angeles

On this 12<sup>th</sup> day of June, 20 03, before me personally came **Manfred Schiruska**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Patrisa Ann Davis  
Notary Public

