

ASSI

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To the Director of the P  
Please record the attached documents of copy hereof.

Attorney Dkt. No.: 038190/259108

102631790

1. Name of conveying party(ies): **12-17-03**

- David Roderick Gerwe
- Robert R. Rice
- Harold B. Schall

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

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

The Boeing Company  
100 N. Riverside Plaza  
Chicago, Illinois 60606-1596

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

16834 U.S. PTO  
10738001

3. Nature of conveyance:

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

Execution Date: 1. 12-02-2003; 2. 12-05-2003;  
3. 12-08-2003

4. Application No. \_\_\_\_\_ Patent No. **10738001**

If this document is being filed together with a new application, the execution date of the application is: 1. 12-02-2003; 2. 12-05-2003; 3. 12-08-2003

Additional numbers attached? Yes  No

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

**ALSTON & BIRD LLP**  
 Bank of America Plaza  
 101 South Tryon Street, Suite 4000  
 Charlotte, NC 28280-4000

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41) \$40.00

Enclosed  
 Authorized to be charged to deposit account

8. Deposit account number: 16-0605

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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.*

\_\_\_\_\_  
 Name of Person Signing: Guy R. Gosnell  
 Reg. No. 34,610

December 17, 2003  
 Date

Total number of pages including cover sheet, attachments, and document: 5

USPTO Fax Number for New Assignments (703) 306-5995

CLT01/4624496v1

12/23/2003 DBYRNE 00000242 10738001  
 01 FC:8021 40.00 DP

**PATENT**  
**REEL: 014809 FRAME: 0432**

## ASSIGNMENT

THIS ASSIGNMENT, made by us, **David Roderick Gerwe**, citizen of the United States of America, residing at 20412 Oxnard Street, Woodland Hills, California 91367; **Robert R. Rice**, citizen of the United States of America, residing at 391 Sycamore Grove, Simi Valley, California 93065; and **Harold B. Schall**, citizen of the United States of America, residing at 5225 Evanwood Avenue, Oak Park, California 91377, respectively;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **FIBER OPTIC PHASED ARRAY AND ASSOCIATED METHOD FOR ACCOMMODATING ATMOSPHERIC PERTURBATIONS WITH PHASE AND AMPLITUDE CONTROL** for which an application for United States Letters Patent has been executed by us concurrently herewith, and

WHEREAS, **The Boeing Company**, a Delaware corporation having a principal place of business at 100 N. Riverside Plaza, Chicago, Illinois 60606-1596, hereinafter referred to as assignee, is desirous of acquiring the entire right, title, and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree to bind our heirs, legal representatives, and assigns promptly to communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns, and other legal representatives.

IN WITNESS WHEREOF, we have hereunto set our hands and seals as dated below.

12/2/03

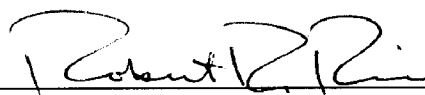
Date

  
David Roderick Gerwe

IN WITNESS WHEREOF, we have hereunto set our hands and seals as dated below.

12/05/03

Date



Robert R. Rice

IN WITNESS WHEREOF, we have hereunto set our hands and seals as dated below.

12/8/03

Date

Harold B. Schall

Harold B. Schall

CLT01/4616488v1