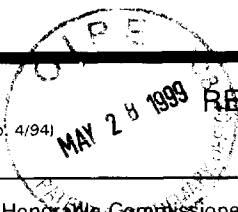


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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks

and all documents or copy thereof.

1. Name of conveying party(ies):  
Tibor I. Lak, Gene Rogers, James F. Weber,  
Michael V. Merlin, Timothy L. Gaynor III, John E. Davis &  
David L. Gerhardt  
  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies)  
Name: BOEING NORTH AMERICAN INC.  
Internal Address:  
  
Street Address:  
  
2201 Seal Beach Blvd.  
Seal Beach, CA 90740-1515  
  
Additional name(s) & address(es) attached?  Yes  No

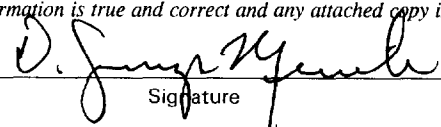
3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of  
Name  
 Other: \_\_\_\_\_  
  
Execution Date: 4/21/99, 4/22/99, 5/3/99, 5/20/99,  
5/21/99

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: 4/21/99, 4/22/99, 5/3/99, 5/20/99, 5/21/99  
A. Patent Application No.(s) 09/262,787 B. Patent No. (s)  
Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
  
Name: Donald E. Stout  
Internal Address:  
Street Address:  
  
4 Venture, Suite 300  
Irvine, CA 92618  
  
6/01/1999 MASSANI 00000004 09262755  
1 FC:581 40.00 OP

6. Total number of applications and patents involved: 1  
  
7. Total fee (37 CFR 3.41).....\$ 40  
 Enclosed  
 Authorized to be charged to deposit account  
  
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*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.*  
  
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Name of Person Signing Signature Date

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

4

WHEN RECORDED, RETURN TO:

Donald E. Stout  
4 Venture, Suite 300  
Irvine, CA 92618

**ASSIGNMENT**

WHEREAS, WE, TIBOR I. LAK, GENE ROGERS, JAMES F. WEBER, MICHAEL V. MERLIN, TIMOTHY L. GAYNOR III, JOHN E. DAVIS, and DAVID L. GERHARDT, all residing in the State of California, have invented certain new and useful improvements in

**COMBINED DIFFUSER AND RECIRCULATION MANIFOLD  
IN A PROPELLANT TANK**

for which the said TIBOR I. LAK has this 3rd day of May, 1999, executed application papers for United States Letters Patent thereon; for which the said GENE ROGERS has this 3rd day of May, 1999, executed application papers for United States Letters Patent thereon; for which the said JAMES F. WEBER has this 20th day of May, 1999, executed application papers for United States Letters Patent thereon; for which the said MICHAEL V. MERLIN has this 3rd day of May, 1999, executed application papers for United States Letters Patent thereon; for which the said TIMOTHY L. GAYNOR III has this 21st day of April, 1999, executed application papers for United States Letters Patent thereon; for which the said JOHN E. DAVIS has this 22nd day of April, 1999, executed application papers for United States Letters Patent thereon; and for which the said DAVID L. GERHARDT has this 21st day of May, 1999, executed application papers for United States Letters Patent thereon; and patent application having been filed on **March 4, 1999**, and assigned United States Serial Number **09/262755**; and

WHEREAS, BOEING NORTH AMERICAN, INC. a Delaware corporation, hereinafter called Assignee, having a place of business at 2201 Seal Beach Blvd., Seal Beach, California 90740-1515, is desirous of acquiring the entire and exclusive right, title and interest in and to the aforesaid invention and in and to any and all Letters Patent therefor granted in the United States of America, and in any and all countries foreign thereto;

NOW, THEREFORE, TO WHOM IT MAY CONCERN, be it known that, for and in consideration of the sum of ONE DOLLAR (\$1.00) to us in hand paid by

Assignee, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, WE, TIBOR I. LAK, GENE ROGERS, JAMES F. WEBER, MICHAEL V. MERLIN, TIMOTHY L. GAYNOR III, JOHN E. DAVIS, and DAVID L. GERHARDT by these presents do hereby sell, assign and transfer unto Assignee, its successors and assigns, the full and exclusive right, title and interest in and to the said invention, and in and to any Letters Patent which may be granted and issued in the United States and throughout the world therefor;

AND, WE HEREBY AUTHORIZE AND REQUEST the Commissioner of Patents and Trademarks to issue said United States Letters Patent to the said BOEING NORTH AMERICAN, INC.

IN WITNESS WHEREOF, I have executed this instrument

at Downey, California, this 3 day of May, 1999.

Witness: \_\_\_\_\_  
(type name)

Tibor I Lak  
TIBOR I. LAK

IN WITNESS WHEREOF, I have executed this instrument

at Downey, California, this 3 day of May, 1999.

Witness: \_\_\_\_\_  
(type name)

Gene Rogers  
GENE ROGERS

IN WITNESS WHEREOF, I have executed this instrument

at Canoga Park, California, this 20 day of May, 1999.

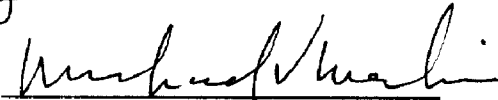
Witness: \_\_\_\_\_  
(type name)

James F Weber  
JAMES F. WEBER

IN WITNESS WHEREOF, I have executed this instrument

at Downey, California, this 3 day of May, 1999.

Witness: \_\_\_\_\_  
(type name)

  
MICHAEL V. MERLIN

IN WITNESS WHEREOF, I have executed this instrument

at Seal Beach, California, this 21 day of April, 1999.

Witness: \_\_\_\_\_  
(type name)

  
TIMOTHY L. GAYNOR III

IN WITNESS WHEREOF, I have executed this instrument

at Seal Beach, California, this 22<sup>nd</sup> day of April, 1999.

Witness: \_\_\_\_\_  
(type name)

  
JOHN E. DAVIS

IN WITNESS WHEREOF, I have executed this instrument

at Seal Beach California, this 21 day of May, 1999.

Witness: \_\_\_\_\_  
(type name)

  
DAVID L. GERHARDT