

08-19-1999



FORM PTO-1595  
(Rev. 6-93)  
OMB No. 0651-0011 (exp. 4/94)

*mtd*  
*8-13-99*

RECORDED 101123332  
**PATENTS ONLY**

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying parties:  
Nicholas DeCristofaro, Richard L. Bye, Jr., Dung A. Ngo, Michael L. Briggs

Additional name(s) & party(ies) attached?  Yes  No

2. Name and address of receiving party(ies):  
Name: AlliedSignal Inc.  
Internal Address: P.O. Box 2245  
Street Address: 101 Columbia Road  
City: Morristown, State: NJ Zip: 07962

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

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date: August 9, 1999

4. Application number(s) or patent number(s): 30-4550(4710)

~~If this document is being filed together with a new application, the execution date of the application is:~~

A. Patent Application No.(s)  
09/311423, Filed May 13, 1999.

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: John A. Squires  
Internal Address: P.O. Box 2245  
Street Address: 101 Columbia Road  
City: Morristown, State: NJ Zip: 07962

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: 01-1125

08/18/1999 NC00TES 0000136 011125 09311423  
01 FC:581 40.00 CH

**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.*

John A. Squires

Name of Person Signing

Signature

August 11, 1999

Date

Total number of pages including cover sheet, attachments, and document: 6

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents and Trademarks, Box Assignments  
Washington, D.C. 20231

PATENT  
REEL: 010167 FRAME: 0427

ASSIGNMENT

Assignment before issue of Letters Patent

Allied File 30-4550(4710)

WHEREAS, Nicholas DeCristofaro, Richard L. Bye, Jr., Dung A. Ngo and Michael L. Briggs, residents of Chatham, Morristown, Morris Plains and Budd Lake, County of Morris and State of New Jersey, respectively

(hereinafter "Assignor") have invented certain new and useful improvements in

HIGH STACK FACTOR AMORPHOUS METAL RIBBON AND TRANSFORMER CORE

(hereinafter "invention") for which Assignor is making or has made application for LETTERS PATENT OF

THE UNITED STATES, which application has been duly executed by Assignor on

The day(s) and date(s) of these present

of which the subject application claims priority: Serial Number 60/085276, filed May 13, 1998

AND WHEREAS, AlliedSignal Inc., a corporation organized and existing under the laws of the State of Delaware, U.S.A., having a place of business at 101 Columbia Road, Morris Township, Morris County, New Jersey, U.S.A., hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said invention within the United States of America and its territorial possessions and all foreign countries and any United States or foreign LETTERS PATENT that may be granted therefor.

NOW, THIS INDENTURE WITNESSETH, that for good and valuable considerations, the receipt whereof is hereby acknowledged, Assignor has assigned, sold and transferred, and does hereby assign, sell and transfer to the said Assignee the entire right, title and interest in and to the said invention, within the United States of America and its territorial possessions and all foreign countries and in and to any LETTERS PATENT of the United States and foreign countries, including utility models, inventor's certificates and like government grants, and all divisions, reissues, continuations and extensions thereof that may be granted therefor, and the right to apply for LETTERS PATENT in foreign countries with full benefit of such priorities as may now or hereafter be granted to Assignor by local laws or by treaty, including any international convention, for the protection of industrial property, together with the right to extend the protection of said U.S. LETTERS PATENT to the various territorial possessions now owned or which may be hereafter acquired by the United States of America, all said rights to be held and enjoyed by the Assignee for its own use and benefit, and for the use and benefit of its successors or assigns, to the full end of the term for which said LETTERS PATENT may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made. And Assignor does hereby request and authorize the Commissioner of Patents and Trademarks, U.S.A., to issue said U.S. LETTERS PATENT, when granted, in accordance with this assignment.

Assignor further covenants and agrees with the Assignee that Assignor has a full and unencumbered title to the invention hereby assigned, which title Assignor warrants unto the Assignee, and Assignor further agrees that Assignor will, without demanding any further consideration therefor, at the request but at the expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining, sustaining, extending, reissuing or reexamining United States and foreign LETTERS PATENT or the like for the said invention, and for maintaining and perfecting the Assignee's right to said invention and LETTERS PATENT particularly in cases of interference, conflict, opposition and litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 9 day of August, 19 99  
Nicholas DeCristofaro  
NICHOLAS DECRISTOFARO

IN TESTIMONY WHEREOF, I have hereunto set my hand this 13 day of May, 19 99  
Richard L. Bye Jr.  
RICHARD L. BYE, JR.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 13 day of July, 19 99  
Dung A. Ngo  
DUNG A. NGO

STATE OF New Jersey )  
 ) ss.:  
COUNTY OF Morris )

On this 9<sup>th</sup> day of August, 19 99 before me personally appeared

NICHOLAS DECRISTOFARO

to me known and known to me to be the individual \_\_\_\_\_ described in and who executed the foregoing instrument,  
and \_\_\_\_\_ he \_\_\_\_\_ acknowledged to me that \_\_\_\_\_ he \_\_\_\_\_ executed the same.

[SEAL]

*Ivy L. Abraham*  
IVY L. ABRAHAM  
Notary Public

My commission expires: A NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires April 1, 2001

STATE OF New Jersey )  
 ) ss.:  
COUNTY OF Morris )

On this 13<sup>th</sup> day of May, 19 99 before me personally appeared

RICHARD L. BYE, JR.

to me known and known to me to be the individual \_\_\_\_\_ described in and who executed the foregoing instrument,  
and \_\_\_\_\_ he \_\_\_\_\_ acknowledged to me that \_\_\_\_\_ he \_\_\_\_\_ executed the same.

[SEAL]

*Ivy L. Abraham*  
IVY L. ABRAHAM  
Notary Public

My commission expires: A NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires April 1, 2001

STATE OF New Jersey )  
 ) ss.:  
COUNTY OF Morris )

On this 13<sup>th</sup> day of July, 19 99 before me personally appeared

DUNG A. NGO

to me known and known to me to be the individual \_\_\_\_\_ described in and who executed the foregoing instrument,  
and \_\_\_\_\_ he \_\_\_\_\_ acknowledged to me that \_\_\_\_\_ he \_\_\_\_\_ executed the same.

[SEAL]

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IVY L. ABRAHAM  
Notary Public

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Allied File 30-4550(4710)

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HIGH STACK FACTOR AMORPHOUS METAL RIBBON AND TRANSFORMER CORE

(hereinafter "invention") for which Assignor is making or has made application for LETTERS PATENT OF

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The day(s) and date(s) of these present

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AND WHEREAS, AlliedSignal Inc., a corporation organized and existing under the laws of the State of Delaware, U.S.A., having a place of business at 101 Columbia Road, Morris Township, Morris County, New Jersey, U.S.A., hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said invention within the United States of America and its territorial possessions and all foreign countries and any United States or foreign LETTERS PATENT that may be granted therefor.

NOW, THIS INDENTURE WITNESSETH, that for good and valuable considerations, the receipt whereof is hereby acknowledged, Assignor has assigned, sold and transferred, and does hereby assign, sell and transfer to the said Assignee the entire right, title and interest in and to the said invention, within the United States of America and its territorial possessions and all foreign countries and in and to any LETTERS PATENT of the United States and foreign countries, including utility models, inventor's certificates and like government grants, and all divisions, reissues, continuations and extensions thereof that may be granted therefor, and the right to apply for LETTERS PATENT in foreign countries with full benefit of such priorities as may now or hereafter be granted to Assignor by local laws or by treaty, including any international convention, for the protection of industrial property, together with the right to extend the protection of said U.S. LETTERS PATENT to the various territorial possessions now owned or which may be hereafter acquired by the United States of America, all said rights to be held and enjoyed by the Assignee for its own use and benefit, and for the use and benefit of its successors or assigns, to the full end of the term for which said LETTERS PATENT may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made. And Assignor does hereby request and authorize the Commissioner of Patents and Trademarks, U.S.A., to issue said U.S. LETTERS PATENT, when granted, in accordance with this assignment.

Assignor further covenants and agrees with the Assignee that Assignor has a full and unencumbered title to the invention hereby assigned, which title Assignor warrants unto the Assignee, and Assignor further agrees that Assignor will, without demanding any further consideration therefor, at the request but at the expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining, sustaining, extending, reissuing or reexamining United States and foreign LETTERS PATENT or the like for the said invention, and for maintaining and perfecting the Assignee's right to said invention and LETTERS PATENT particularly in cases of interference, conflict, opposition and litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 5 day of 8, 19 99

Michael L. Briggs  
MICHAEL L. BRIGGS

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 19 \_\_\_\_\_

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 19 \_\_\_\_\_

STATE OF New Jersey )

COUNTY OF Morris )

) ss.:

On this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_ before me personally appeared

5 of 8, 97

MICHAEL L. BRIGGS

to me known and known to me to be the individual \_\_\_\_\_ described in and who executed the foregoing instrument, and \_\_\_\_\_ he \_\_\_\_\_ acknowledged to me that \_\_\_\_\_ he \_\_\_\_\_ executed the same.

x [SEAL]

Barbara M Mangum

Notary Public

My commission expires: 3/11/2007

STATE OF \_\_\_\_\_ )

COUNTY OF \_\_\_\_\_ )

) ss.:

On this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_ before me personally appeared

to me known and known to me to be the individual \_\_\_\_\_ described in and who executed the foregoing instrument, and \_\_\_\_\_ he \_\_\_\_\_ acknowledged to me that \_\_\_\_\_ he \_\_\_\_\_ executed the same.

[SEAL]

Notary Public

My commission expires:

STATE OF \_\_\_\_\_ )

COUNTY OF \_\_\_\_\_ )

) ss.:

On this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_ before me personally appeared

to me known and known to me to be the individual \_\_\_\_\_ described in and who executed the foregoing instrument, and \_\_\_\_\_ he \_\_\_\_\_ acknowledged to me that \_\_\_\_\_ he \_\_\_\_\_ executed the same.

[SEAL]

Notary Public

My commission expires:

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**Assignment**

Nicholas De Cristofaro, Richard L. Bye,  
Jr., Dung A. Ngo and Michael L. Briggs

**TO**  
**ALLIEDSIGNAL INC.**

**INVENTION:**

**HIGH STACK FACTOR  
AMORPHOUS METAL RIBBON AND  
TRANSFORMER CORE**

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**Allied File: 30-4550(4710)**

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AlliedSignal Inc.  
John A. Squires, AlliedSignal Inc.  
101 Columbia Road  
Morristown, New Jersey 07962-2245  
973-455-5143