

02-07-2002

Form PTO-1595

(Rev. 6/93)

OMB No. 0651-0011 (exp. 4/94)



101975114

T

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 party(ies):

Anthony K. Maczure

Erich R. Gross

Anthony S. Lee

David M. Mayes

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

2. Name and address of receiving party(ies)

Name: Textron Systems Corporation

Internal Address: _____

Street Address: 201 Lowell StreetCity: Wilmington State: MA Zip: 01887

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

3. Nature of conveyance:

(x) Assignment

() Merger

() Security Agreement

() Change of Name

() Other _____

Execution Date: August 16, July 23, July 24, September 10, 2001

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

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

A. Patent Application No.(s)

09/932,210

B. Patent No.(s)

AN 24 2002

Additional numbers attached? () Yes (x) No

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

Name: Patent GroupInternal Address: Foley, Hoag & Eliot LLPStreet Address: One Post Office SquareCity: Boston State: MA ZIP: 02109-2170

6. Total number of applications and patents involved: (1)

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

(X) Enclosed

() Authorized to be charged to deposit account for insufficient payment

8. Deposit account number:

06-1448

TXY-008.01

(Attached duplicate copy of this page if paying by deposit account)

02/07/2002 LMUELLER 00000028 09932210

01 FC:581

40.00 0P

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.*David A. Lane, Jr., Reg. No. 39,261

Name of Person Signing and Reg. No.

Signature

November 9, 2001

Date

Total number of pages including cover sheet, attachments, and document: (7)

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

Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

479936.1

PATENT
REEL: 012540 FRAME: 0187

ASSIGNMENT

WHEREAS, WE, Anthony K. Maczura of Reading, MA, Erich R. Gross of Rohnert Park, CA, Anthony S. Lee of Petaluma, CA, and David M. Mayes of LaGrande, OR, respectively, have developed certain inventions described in a patent application titled OPTICAL PROBES AND METHODS FOR SPECTRAL ANALYSIS and filed herewith, having full right to convey their entire right, title and interest, both legal and equitable, in and to said inventions, free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

WHEREAS, Textron Systems Corporation ("Assignee"), of Wilmington, Massachusetts, a corporation of the State of Delaware, is desirous of acquiring the entire right, title and interest in and to said invention or inventions and any and all patents to be obtained therefor;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by the undersigned, the undersigned do hereby sell, assign, transfer and set over unto said Assignee, its successors and assigns, their entire right, title and interest throughout the world in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any application filed in any foreign country based thereon, including the right to file said foreign applications and claim priority under the provisions of any international convention or treaty; also the entire right, title and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the undersigned hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignee or its successors and assigns.

The undersigned further agree, without any further payment or compensation by said Assignee or its successors and assigns, to communicate to said Assignee, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings whenever requested; testify in any interference or other legal proceedings, whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee, its successors or assigns and nominees to secure, obtain and enforce proper patent protection for said invention or inventions in this or any foreign country.

IN TESTIMONY WHEREOF, the undersigned have hereunto set their hands and seals on the date after their signatures.

Anthony K. Maczura, 8-16-01
Anthony K. Maczura (Date)

Erich R. Gross, _____
Erich R. Gross (Date)

Anthony S. Lee, July 24 01
Anthony S. Lee (Date)

David M. Mayes, _____
David M. Mayes (Date)

Commonwealth of Massachusetts)
County of Middlesex)

On this the 16 day of August, 2001 before me personally appeared Anthony K. Maczura to me personally known, and known to me to be the person who signed the foregoing assignment, and acknowledged the signing of same as his free act and deed.

Mona Bieler
Notary Public
My commission expires 1/17/08

Mona Bieler
NOTARY PUBLIC
My commission expires Jan. 17, 2008

State of California)
County of)

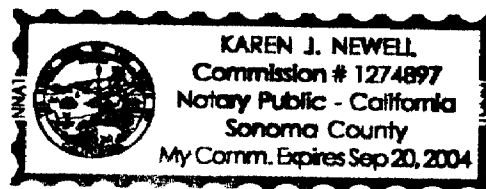
On this the _____ day of _____, 2001 before me personally appeared Erich R. Gross to me personally known, and known to me to be the person who signed the foregoing assignment, and acknowledged the signing of same as his free act and deed.

Notary Public
My commission expires _____

State of California)
County of Sonoma)

On this the 24th day of July, 2001 before me personally appeared Anthony S. Lee to me personally known, and known to me to be the person who signed the foregoing assignment, and acknowledged the signing of same as his free act and deed.

Karen J. Newell
Notary Public
My commission expires 9-20-04



Commonwealth of Oregon)
County of)

On this the _____ day of _____, 2001 before me personally appeared David M. Mayes to me personally known, and known to me to be the person who signed the foregoing assignment, and acknowledged the signing of same as his free act and deed.

Notary Public
My commission expires _____

ASSIGNMENT

WHEREAS, WE, Anthony K. Maczura of Reading, MA, Erich R. Gross of Rohnert Park, CA, Anthony S. Lee of Petaluma, CA, and David M. Mayes of LaGrande, OR, respectively, have developed certain inventions described in a patent application titled OPTICAL PROBES AND METHODS FOR SPECTRAL ANALYSIS and filed herewith, having full right to convey their entire right, title and interest, both legal and equitable, in and to said inventions, free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

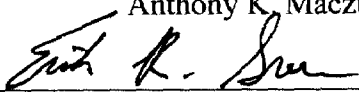
WHEREAS, Textron Systems Corporation ("Assignee"), of Wilmington, Massachusetts, a corporation of the State of Delaware, is desirous of acquiring the entire right, title and interest in and to said invention or inventions and any and all patents to be obtained therefor;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by the undersigned, the undersigned do hereby sell, assign, transfer and set over unto said Assignee, its successors and assigns, their entire right, title and interest throughout the world in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any application filed in any foreign country based thereon, including the right to file said foreign applications and claim priority under the provisions of any international convention or treaty; also the entire right, title and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the undersigned hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignee or its successors and assigns.

The undersigned further agree, without any further payment or compensation by said Assignee or its successors and assigns, to communicate to said Assignee, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings whenever requested; testify in any interference or other legal proceedings, whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee, its successors or assigns and nominees to secure, obtain and enforce proper patent protection for said invention or inventions in this or any foreign country.

IN TESTIMONY WHEREOF, the undersigned have hereunto set their hands and seals on the date after their signatures.

_____, _____ (Date)
Anthony K. Maczura

_____, _____ (Date)
 7/23/01
Erich R. Gross

_____, _____ (Date)
Anthony S. Lee

_____, _____ (Date)
David M. Mayes

Commonwealth of Massachusetts)
County of)

On this the _____ day of _____, 2001 before me personally appeared Anthony K. Maczura to me personally known, and known to me to be the person who signed the foregoing assignment, and acknowledged the signing of same as his free act and deed.

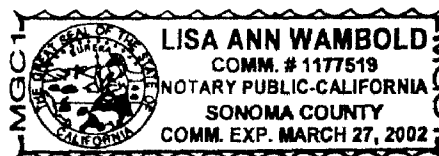
Notary Public
My commission expires _____

State of California)
County of Sonoma)

On this the 23rd day of July, 2001 before me personally appeared Erich R. Gross to me personally known, and known to me to be the person who signed the foregoing assignment, and acknowledged the signing of same as his free act and deed.

Lisa Ann Wambold

Notary Public
My commission expires 3.27.02



State of California)
County of)

On this the _____ day of _____, 2001 before me personally appeared Anthony S. Lee to me personally known, and known to me to be the person who signed the foregoing assignment, and acknowledged the signing of same as his free act and deed.

Notary Public
My commission expires _____

Commonwealth of Oregon)
County of)

On this the _____ day of _____, 2001 before me personally appeared David M. Mayes to me personally known, and known to me to be the person who signed the foregoing assignment, and acknowledged the signing of same as his free act and deed.

Notary Public
My commission expires _____

ASSIGNMENT

WHEREAS, WE, Anthony K. Maczura of Reading, MA, Erich R. Gross of Rohnert Park, CA, Anthony S. Lee of Petaluma, CA, and David M. Mayes of LaGrande, OR, respectively, have developed certain inventions described in a patent application titled OPTICAL PROBES AND METHODS FOR SPECTRAL ANALYSIS and filed herewith, having full right to convey their entire right, title and interest, both legal and equitable, in and to said inventions, free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

WHEREAS, Textron Systems Corporation ("Assignee"), of Wilmington, Massachusetts, a corporation of the State of Delaware, is desirous of acquiring the entire right, title and interest in and to said invention or inventions and any and all patents to be obtained therefor;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by the undersigned, the undersigned do hereby sell, assign, transfer and set over unto said Assignee, its successors and assigns, their entire right, title and interest throughout the world in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any application filed in any foreign country based thereon, including the right to file said foreign applications and claim priority under the provisions of any international convention or treaty; also the entire right, title and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the undersigned hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignee or its successors and assigns.

The undersigned further agree, without any further payment or compensation by said Assignee or its successors and assigns, to communicate to said Assignee, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings whenever requested; testify in any interference or other legal proceedings, whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee, its successors or assigns and nominees to secure, obtain and enforce proper patent protection for said invention or inventions in this or any foreign country.

IN TESTIMONY WHEREOF, the undersigned have hereunto set their hands and seals on the date after their signatures.

_____, _____ (Date)
Anthony K. Maczura

_____, _____ (Date)
Erich R. Gross

_____, _____ (Date)
Anthony S. Lee

_____, _____ (Date)
David M. Mayes 9-10-01

Commonwealth of Massachusetts)
County of)

On this the _____ day of _____, 2001 before me personally appeared Anthony K. Maczura to me personally known, and known to me to be the person who signed the foregoing assignment, and acknowledged the signing of same as his free act and deed.

Notary Public
My commission expires _____

State of California)
County of)

On this the _____ day of _____, 2001 before me personally appeared Erich R. Gross to me personally known, and known to me to be the person who signed the foregoing assignment, and acknowledged the signing of same as his free act and deed.

Notary Public
My commission expires _____

State of California)
County of)

On this the _____ day of _____, 2001 before me personally appeared Anthony S. Lee to me personally known, and known to me to be the person who signed the foregoing assignment, and acknowledged the signing of same as his free act and deed.

Notary Public
My commission expires _____

Commonwealth of Oregon)
County of Union)

On this the 10th day of September, 2001 before me personally appeared David M. Mayes to me personally known, and known to me to be the person who signed the foregoing assignment, and acknowledged the signing of same as his free act and deed.

T. L. Bryant

Notary Public
My commission expires 2-06-04

