



10-07-1998

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1-31-92

RECORDATION FORM COVER SHEET

Docket No.: 50107-422

PATENTS ONLY

100845211

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

1. Name of Conveying Party(ies):

Raymond F. ALBERS, Charles H. EPPERT III, Robert D.
FARRIS, Barry P. PERSHAN, & Michael G. PILKERTONAdditional name(s) of conveying party(ies) attached? ☐ Yes

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: September 23 and September 22, 1998

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

Name: BELL ATLANTIC NETWORK SERVICES, INC.

Address: 1320 North Court House Road

Arlington, Virginia 22201

9.28.98

Additional name(s) & address(es) attached? ☐ Yes

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

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

A. Patent Application No(s).

09/112,473-Filed July 9, 1998

B. Patent No(s).

Additional numbers attached? ☐ Yes

5. Name and address of party to whom correspondence

Concerning document should be mailed:

Name: MCDERMOTT, WILL & EMERY

Internal Address:

Street Address: 99 Canal Center Plaza, Suite 300

City: Alexandria State: VA

Zip: 22314

10/05/1998 JSH/BAZZ 00000071 500417 09112473

01 FC:581

40.00 CH

DO NOT USE THIS SPACE

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:

500417

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.

Keith E. George, 34,111

September 28, 1998

Name and Registration No. of Person Signing

Signature

Date

Total number of pages comprising cover sheet: 1

CMB No. 0851-0011 (exp. 4/94)

PATENT
REEL: 9488 FRAME: 0374

ASSIGNMENT

WHEREAS WE, Raymond F. ALBERS, Charles H. EPPERT, III, Robert D. FARRIS, Barry P. PERSHAN, Michael G. PILKERTON of Vienna, Virginia, Fairfax, Virginia, Sterling, Virginia, Olney, Maryland, and Fairfax, Virginia, respectively, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled ADVANCED INTELLIGENT NETWORK (AIN) FUNCTIONALITY FOR ELECTRONIC SURVEILLANCE, executed by me on the date of execution of this document, as shown below, and for which an application for United States Letters Patent was filed on 7/9/98, and identified by United States Serial No. 09/112,473;

AND WHEREAS, BELL ATLANTIC NETWORK SERVICES, INC.', a corporation of the State of Delaware and having an address of 1320 North Court House Road, Arlington, Virginia 22201 is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, We do hereby sell, assign, transfer and set over unto BELL ATLANTIC NETWORK SERVICES, INC.', its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including the right of priority and including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, We hereby agree with the said assignee that We will not execute any writing or do any act whatsoever conflicting with these presents, and that We will, at any time upon request, without further or additional consideration but at the expense of said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and assignee;

AND We request the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said BELL ATLANTIC NETWORK SERVICES, INC.', its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

2-23-98

Date


Raymond F. ALBERS

Date

Charles H. EPPERT, III

Date

Robert D. FARRIS

Date

Barry P. PERSHAN

Date

Michael G. PILKERTON

STATE OF Virginia)
COUNTY OF Arlington) SS:

On this 23rd day of September, 1998, before me personally appeared **Raymond F. ALBERS**, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

S E A L

Maryhelen Belknap
Notary Public

My commission expires My Commission Expires May 31, 2001

Commission Expires May 31, 2001
My Commission Expires May 31, 2001
MARYHELEN BELKNAP

STATE OF _____)
COUNTY OF _____) SS:

On this _____ day of _____, 19____, before me personally appeared **Charles H. EPPERT, III**, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

S E A L

Notary Public

My commission expires _____

STATE OF _____)
_____) SS:
COUNTY OF _____)

On this _____ day of _____, 19____, before me personally appeared **Robert D. FARRIS**, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

S E A L

Notary Public

My commission expires _____

STATE OF _____)
_____) SS:
COUNTY OF _____)

On this _____ day of _____, 19____, before me personally appeared **Barry P. PERSHAN**, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

S E A L

Notary Public

My commission expires _____

STATE OF _____)
_____) SS:
COUNTY OF _____)

On this _____ day of _____, 19____, before me personally appeared **Michael G. PILKERTON**, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

S E A L

Notary Public

My commission expires _____

ASSIGNMENT

WHEREAS WE, Raymond F. ALBERS, Charles H. EPPERT, III, Robert D. FARRIS, Barry P. PERSHAN, Michael G. PILKERTON of Vienna, Virginia, Fairfax, Virginia, Sterling, Virginia, Olney, Maryland, and Fairfax, Virginia, respectively, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled ADVANCED INTELLIGENT NETWORK (AIN) FUNCTIONALITY FOR ELECTRONIC SURVEILLANCE, executed by me on the date of execution of this document, as shown below, and for which an application for United States Letters Patent was filed on 7/9/98, and identified by United States Serial No. 09/112,473;

AND WHEREAS, BELL ATLANTIC NETWORK SERVICES, INC.', a corporation of the State of Delaware and having an address of 1320 North Court House Road, Arlington, Virginia 22201 is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, We do hereby sell, assign, transfer and set over unto BELL ATLANTIC NETWORK SERVICES, INC.', its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including the right of priority and including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, We hereby agree with the said assignee that We will not execute any writing or do any act whatsoever conflicting with these presents, and that We will, at any time upon request, without further or additional consideration but at the expense of said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and assignee;

AND We request the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said BELL ATLANTIC NETWORK SERVICES, INC.', its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

Date

9/22/98

Date

Raymond F. ALBERS


Charles H. EPPERT, III

Date

Robert D. FARRIS

Date

9/23/98

Barry P. PERSHAN

Date

9-22-98

Michael G. PILKERTON

STATE OF _____)
) SS:
 COUNTY OF _____)

On this _____ day of _____, 19____, before me personally appeared **Raymond F. ALBERS**, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

S E A L

Notary Public

My commission expires _____

STATE OF Virginia)
) SS:
 COUNTY OF Arlington)

On this 22nd day of September, 1998, before me personally appeared **Charles H. EPPERT, III**, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

S E A L

Notary Public

My commission expires _____ My Commission Expires May 31, 2001

Commonwealth of Virginia Notary Public Seal
 My Commission Expires May 31, 2001
 MARYHELEN BELKNAP

STATE OF _____)
) SS:
 COUNTY OF _____)

On this _____ day of _____, 19____, before me personally appeared **Robert D. FARRIS**, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

S E A L

Notary Public

My commission expires _____

STATE OF Virginia)
) SS:
 COUNTY OF Arlington)

On this 23rd day of September, 1998, before me personally appeared **Barry P. PERSHAN**, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

S E A L

Maryhelen Belknap
 Notary Public

My Commission Expires May 31, 2001

My commission expires _____

Embedded Herein Is My
 Commonwealth of Virginia Notary Public Seal
 My Commission Expires May 31, 2001
 MARYHELEN BELKNAP

STATE OF Virginia)
) SS:
 COUNTY OF Arlington)

On this 22nd day of September, 1998, before me personally appeared **Michael G. PILKERTON**, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

S E A L

Maryhelen Belknap
 Notary Public

My Commission Expires May 31, 2001

My commission expires _____

Embedded Herein Is My
 Commonwealth of Virginia Notary Public Seal
 My Commission Expires May 31, 2001
 MARYHELEN BELKNAP

ASSIGNMENT

WHEREAS WE, Raymond F. ALBERS, Charles H. EPPERT, III, Robert D. FARRIS, Barry P. PERSHAN, Michael G. PILKERTON of Vienna, Virginia, Fairfax, Virginia, Sterling, Virginia, Olney, Maryland, and Fairfax, Virginia, respectively, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled ADVANCED INTELLIGENT NETWORK (AIN) FUNCTIONALITY FOR ELECTRONIC SURVEILLANCE, executed by me on the date of execution of this document, as shown below, and for which an application for United States Letters Patent was filed on 7/9/98, and identified by United States Serial No. 09/112,473;

AND WHEREAS, BELL ATLANTIC NETWORK SERVICES, INC., a corporation of the State of Delaware and having an address of 1320 North Court House Road, Arlington, Virginia 22201 is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, We do hereby sell, assign, transfer and set over unto BELL ATLANTIC NETWORK SERVICES, INC., its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including the right of priority and including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, We hereby agree with the said assignee that We will not execute any writing or do any act whatsoever conflicting with these presents, and that We will, at any time upon request, without further or additional consideration but at the expense of said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and assignee;

AND We request the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said BELL ATLANTIC NETWORK SERVICES, INC., its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

Date

Raymond F. ALBERS

Date

Charles H. EPPERT, III

Date

9/22/98

Robert D. FARRIS

Robert D. FARRIS

Date

Barry P. PERSHAN

Date

Michael G. PILKERTON

STATE OF _____)
) SS:
 COUNTY OF _____)

On this _____ day of _____, 19____, before me personally appeared **Raymond F. ALBERS**, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

S E A L

Notary Public

My commission expires _____

STATE OF _____)
) SS:
 COUNTY OF _____)

On this _____ day of _____, 19____, before me personally appeared **Charles H. EPPERT, III**, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

S E A L

Notary Public

My commission expires _____

STATE OF VIRGINIA)
) SS:
 COUNTY OF ARLINGTON)

On this 22ND day of SEPTEMBER, 1998, before me personally appeared **Robert D. FARRIS**, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

Richard J. Backus
 Notary Public

S E A L

My commission expires 2-28-99

STATE OF _____)
) SS:
 COUNTY OF _____)

On this _____ day of _____, 19____, before me personally appeared **Barry P. PERSHAN**, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

S E A L

 Notary Public

My commission expires _____

STATE OF _____)
) SS:
 COUNTY OF _____)

On this _____ day of _____, 19____, before me personally appeared **Michael G. PILKERTON**, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

S E A L

 Notary Public

My commission expires _____