

02-02-1999



FORM TOS-96

1-31-92

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

100954870  
PATENTS ONLY

Docket No.: 50107-418

To the Honorable Commissioner of Patents and Trademarks Please record the attached original documents or copy thereto

1. Name of Conveying Party(ies):

Allan SCHNEIDER

1-21-99

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

Name: BELL ATLANTIC NETWORK SERVICES, INC.

Address: 1320 North Court House Road

Additional name(s) of conveying party(ies) attached?  Yes

3. Nature of Conveyance:

Arlington, Virginia 22201

- Assignment  Merger
- Security Agreement  Change of Name
- Other

Execution Date: January 4, 1999

Additional name(s) & address(es) attached:  Yes

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

09/234464

If the document is being filed together with a new application, the execution date of the application is: January 4, 1999

A. Patent Application No(s).

B. Patent No(s).

Additional numbers attached?  Yes

5. Name and address of party to whom correspondence

6. Total number of applications and patents involved: 1

Concerning document should be mailed:

Name: MODERMOTT, WILL & EMFRY

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

Internal Address

Enclosed

Street Address: 600 17<sup>th</sup> Street, N.W.

8. Deposit account number:

500417

City: Washington State: DC Zip: 20005

01/29/1999 ISHABAZZ 00000040 500417 09234464

01 FC:581 40.00 CH

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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.

Keith E. George 34,111

January 21, 1999

Name and Registration No. of Person Signing:

Signature

Date

Total number of pages comprising cover sheet: 1

CMB No. (851-0011 (exp. 4/94))

10551 U.S. PTO  
09/234464  
01/21/99

PATENT  
REEL: 9723 FRAME: 0899

Docket No.: 50107-418

ASSIGNMENT

WHEREAS I, Allan Schneider of Falls Church, Virginia, respectively, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled LOOP CERTIFICATION AND MEASUREMENT FOR ADSL, executed by me on the date of execution of this document, as shown below, and filed concurrently herewith; OR for which an application for United States Letters Patent was filed on \_\_\_\_\_, and identified by United States Serial No. \_\_\_\_\_;

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, I 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, I hereby agree with the said assignee that I will not execute any writing or do any act whatsoever conflicting with these presents, and that I 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 I 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 7 January 1999

Allan Schneider  
Allan Schneider

STATE OF Virginia  
COUNTY OF Arlington ) SS:

On this 4<sup>th</sup> day of January, 1999, before me personally appeared Allan Schneider, 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.

Maryhelen Belknap

Notary Public

NOTARY PUBLIC

My commission expires 5-31-01

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

SEAL