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FORM PTO-1596  
1-31-92

RECO

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Docket No.: 50107-442

To the Honorable Commissioner of Patents and

original documents or copy thereto:

1. Name of Conveying Parties:  
Thomas A. NOLTING, William A. HOWES and Karen  
DION  
Additional name(s) of conveying party(ies) attached?  Yes

2. Name and address of receiving party:  
Name: Bell Atlantic Network Services, Inc.  
Address: 1320 North Court House Road  
Arlington, Virginia 22201  
Additional name(s) & address(es) attached?  Yes



3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other  
Execution Date: July 13, 1999

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).  
09/306,636, filed May 7, 1999  
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: 600 13<sup>th</sup> Street, N.W.  
City: Washington State: DC Zip: 20005

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

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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

July 30, 1999

Name and Registration No. of Person Signing

Signature Date

Total number of pages comprising cover sheet: 1

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

08/03/1999 DMSUYEN 00000316 500417 09306636  
01 FC:581 40.00 CH

ASSIGNMENT

WHEREAS WE, Thomas A. NOLTING, William A. HOWES, Karen DION of Holliston, Massachusetts, Millbury, Massachusetts and Dudley, Massachusetts, respectively, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled INTERCONNECT TRAFFIC TRACKING, executed by me on the date of execution of this document, for which an application for United States Letters Patent was filed on May 07, 1999, and identified by United States Serial No. 09/306,636;

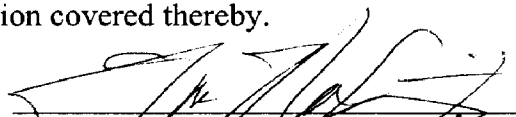

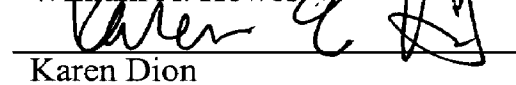
AND WHEREAS, BELL ATLANTIC NETWORK SERVICES, INC., a corporation of the State of Delaware and having an address of 1320 North Court House Road, Arlington, Virginia 22201 is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of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

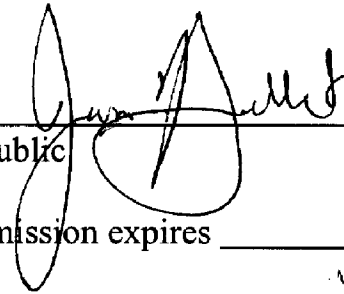
07/12/1999  
Date  
07/15/1999  
Date  
07/13/1999  
Date

  
Thomas A. Nolting  
  
William A. Howes  
  
Karen Dion

STATE OF MA)  
) SS:  
COUNTY OF SUFFOLK)

On this 13th day of July, 1999 before me personally appeared Thomas A. Nolting, 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.

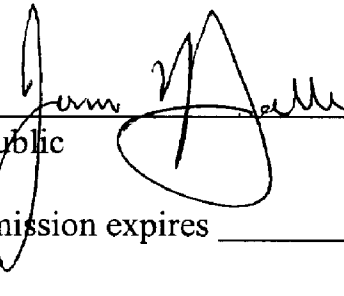
SEAL

  
\_\_\_\_\_  
Notary Public  
My commission expires \_\_\_\_\_  
JASON HALLET  
Notary Public  
My Commission Expires April 1, 2005

STATE OF MA)  
) SS:  
COUNTY OF SUFFOLK)

On this 13th day of July, 1999, before me personally appeared William A. Howes, 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.

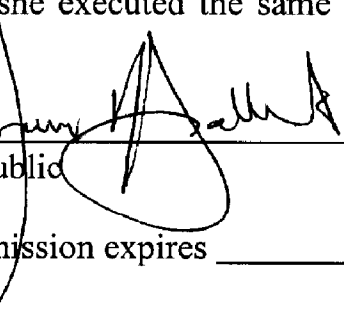
SEAL

  
\_\_\_\_\_  
Notary Public  
My commission expires \_\_\_\_\_  
JASON HALLET  
Notary Public  
My Commission Expires April 1, 2005

STATE OF MA)  
) SS:  
COUNTY OF SUFFOLK)

On this 13th day of July, 1999, before me personally appeared Karen Dion, 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.

SEAL

  
\_\_\_\_\_  
Notary Public  
My commission expires \_\_\_\_\_  
JASON HALLET  
Notary Public  
My Commission Expires April 1, 2005