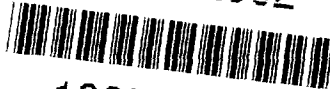


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U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

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

1. Name of conveying party(ies):  
Kevin Neeley, Wilson Sawyer, Stuart Green  
and David Gingold  
*8-19-02*  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies)  
Name: ARRIS International, Inc.  
Internal Address: \_\_\_\_\_  
Street Address: 11450 Technology Circle  
City: Duluth State: GA Zip: 30097-1504  
Additional name(s) & address(es) attached?  Yes  No

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_  
Execution Date: 7/24/2002

4. Application number(s) or patent number(s):  
If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_  
A. Patent Application No.(s) 10/194,338  
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 L. Doughty  
Internal Address: ARRIS International, Inc.  
Street Address: 11450 Technology Circle  
City: Duluth State: GA Zip: 30097-1504

6. Total number of applications and patents involved: 1  
7. Total fee (37 CFR 3.41).....\$ \_\_\_\_\_  
 Enclosed  
 Authorized to be charged to deposit account  
8. Deposit account number:  
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9. Signature.  
John L. Doughty      *John L. Doughty*      August 14, 2002  
Name of Person Signing      Signature      Date

Total number of pages including cover sheet, attachments, and documents: 4

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
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08/27/2002 TPIAZ1 00000106 012125 10194338  
01 FC:581 40.00 CH

PATENT  
REEL: 013218 FRAME: 0691

## ASSIGNMENT

WHEREAS Kevin Neeley, David Gingold, Stuart Green and Wilson E. Sawyer, hereinafter referred to as ASSIGNORS, have invented certain inventions and improvements entitled “Scalable Method and Architecture for an Active Switch Defining a Network Edge having Multiple Uplinks and Using Wavelength Division Multiplexing,” disclosed in a United States patent application and an international PCT patent application (“PCT application”), filed in the United States Patent and Trademark Office (“PTO”) and the PTO Receiving Office, respectively, on July 12, 2002; and

WHEREAS, ARRIS International, Inc., a corporation formed under the laws of Delaware, having a principal place of business at 11450 Technology Circle, Duluth, Georgia 30097, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire interest in, to, and under said invention and the United States Letters Patent, as well as Letters Patent granted by any foreign country based on the PCT application, to be obtained therefore:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNORS hereby sell, assign, and transfer to ASSIGNEE the full and exclusive right, title and interest to said invention and all Letters Patent of the United States to be obtained therefore on said patent application, or any continuation, continuation-in-part, divisional, reexamination, renewal, substitute, or reissue thereof and in and to all Letters Patent and all Convention and Treaty rights of all kinds, in all countries throughout the world for said invention for the full term or terms for which the same may be granted.

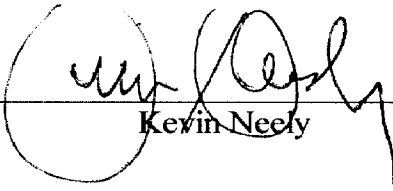
ASSIGNORS hereby covenants that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

ASSIGNORS further covenants that ASSIGNORS will promptly provide ASSIGNEE, upon its request, with all pertinent facts and documents relating to said application, said invention, and said Letters Patent as may be known and accessible to ASSIGNORS and will testify as to the same in any interference or litigation related thereto and will promptly execute

ASSIGNMENT

and deliver to ASSIGNEE or its legal representative any and all papers, instruments, or affidavits required to apply for, obtain, maintain, and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.


07/25/02  
Date

  
Kevin Neely

STATE OF GEORGIA,  
COUNTY OF WINNETT )

I hereby certify that Kevin Neely before me personally appeared and acknowledged that the foregoing assignment was duly signed and delivered by him as his free and voluntary act on this 25 day of July, 2002.

(SEAL)

  
Notary Public  
My Commission expires Aug. 9, 2005

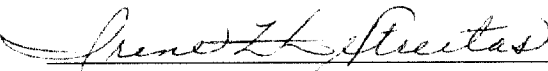
20 July 2002  
Date

  
David Gingold

STATE OF MA )  
COUNTY OF ESSEX )  
MIDDLESEX

I hereby certify that Kevin Neeley before me personally appeared and acknowledged that the foregoing assignment was duly signed and delivered by him as his free and voluntary act on this 24th day of July, 2002.

(SEAL)

  
Notary Public  
My Commission expires 7-30-2004

ASSIGNMENT

7/19/02  
Date

*Stuart Green*  
Stuart Green

STATE OF MA )  
COUNTY OF MIDDLESEX )

I hereby certify that Stuart Green before me personally appeared and acknowledged that the foregoing assignment was duly signed and delivered by him as his free and voluntary act on this 19<sup>th</sup> day of July, 2002.

(SEAL)

*James H. Steiner*  
Notary Public  
My Commission expires 7-30-2004

July 22, 2002  
Date

*Wilson E. Sawyer*  
Wilson E. Sawyer

STATE OF MA )  
COUNTY OF MIDDLESEX )

I hereby certify that Wilson E. Sawyer before me personally appeared and acknowledged that the foregoing assignment was duly signed and delivered by him as his free and voluntary act on this 22<sup>nd</sup> day of July, 2002.

(SEAL)

*James H. Steiner*  
Notary Public  
My Commission expires 7-30-2004