

07-27-2005

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103049425

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

50127

**1. Name of conveying party(ies)**  
Raziq YAQUB and Tao ZHANG  
  
Additional name(s) of conveying party(ies) attached?  Yes  No

**2. Name and address of receiving party(ies)**  
Name: Toshiba America Research, Inc  
Internal Address: \_\_\_\_\_  
  
Street Address: 1 Telcordia Drive  
Suite 1A257  
City: Piscataway  
State: New Jersey  
Country: USA Zip: \_\_\_\_\_  
  
Additional name(s) & address(es) attached?  Yes  No

**3. Nature of conveyance/Execution Date(s):**  
Execution Date(s) April 5, 2005  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Joint Research Agreement  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other \_\_\_\_\_


**4. Application or patent number(s):**  This document is being filed together with a new application.  
A. Patent Application No.(s)  
11/096,722  
07/22/2005 ADD01 00000079 10096722  
07 FC:8021 40.00 OP  
  
Additional numbers attached?  Yes  No

B. Patent No.(s)  
\_\_\_\_\_

**5. Name and address to whom correspondence concerning document should be mailed:**  
Name: Stephen B. Parker, Esquire  
Internal Address: \_\_\_\_\_  
  
Street Address: Watchstone P+D  
1300 Eye Street, NW, Suite 400 East Tower  
City: Washington  
State: DC Zip: 20005  
Phone Number: 202-204-4733  
Fax Number: 202-318-7811  
Email Address: info@w-pd.com

**6. Total number of applications and patents involved:** \_\_\_\_\_  
**7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00**  
 Authorized to be charged by credit card  
 Authorized to be charged to deposit account  
 Enclosed  
 None required (government interest not affecting title)

**8. Payment Information**  
a. Credit Card Last 4 Numbers 1048  
Expiration Date 04/06  
b. Deposit Account Number 141437  
Authorized User Name Charna Elmore

**9. Signature:** \_\_\_\_\_ July 8, 2005  
 \_\_\_\_\_  
Signature Date  
Stephen B. Parker, Reg. No. 36,631  
Name of Person Signing  
Total number of pages including cover sheet, attachments, and documents:

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

07/22/2005 00000002 11096722  
40.00 OP

Additional Recordation Cover Sheet  
US Serial No.: 10/096,722  
Attorney Docket No.: 3119-114

Additional receiving party:

**Telcordia Inc.**  
**1 Telcordia Drive**  
**Suite 05G0116**  
**Piscataway, NJ**

**ASSIGNMENT**

WHEREAS, we, Raziq Yaqub, a citizen of Pakistan, residing at 15 Cook Court, Stewartville, NJ 08886 and Tao Zhang, a citizen of USA, residing at 247 Harmon Ave, Fort Lee, NJ (Assignors) have invented a AUTONOMOUS AND HETEROGENEOUS NETWORK DISCOVERY AND REUSE for which an application for a Patent of the United States was executed on even date herewith (our attorneys at Watchstone P+D, including Stephen B. Parker, Reg. No. 36,631, is hereby authorized to insert the Serial No. and filing date in the following space when known 11/096,722); and 07024, USA

WHEREAS, Toshiba America Research, Inc., having a place of business at 1 Telcordia Dr., Suite 1A257, Piscataway, NJ; and Telcordia Inc., having a place of business at 1 Telcordia Dr., Suite 05G0116, Piscataway, NJ, (hereinafter the Assignees) are desirous of confirming that it has already been assigned, or, if not already assigned, are desirous of acquiring the entire worldwide legal and beneficial right, title and interest in and to the aforesaid invention, in and to the aforesaid application and in and to any Patents, Design Registrations, Industrial Models, Industrial Designs, Petty Patents, Utility Models, Copyrights, Unregistered Design Rights, and legal equivalents thereof anywhere in the world which may be granted for said invention, including the right to claim priority of the respective United States Patent application;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, the aforesaid Tao Zhang and Raziq Yaqub by these presents do confirm that we did sell, assign and transfer or, if not already done so, do sell, assign and transfer unto Toshiba America Research Inc. and unto Telcordia Inc., their successors, legal representatives and assigns, the full, exclusive and worldwide right in and to said invention as described in said application, in and to the aforesaid application and in and to any Patents, Design Registrations Industrial Models, Industrial Designs, Petty Patents, Utility Models, Copyrights, Unregistered Design Rights, and legal equivalents thereof anywhere in the world which may be granted for said invention and in and to any and all divisions, reissues, continuations, extensions and renewals thereof, including the right to claim priority of the respective United States Patent application;

AND WE HEREBY agree that the said Assignees may apply for and receive Patents, Design Registrations, Industrial Models, Industrial Designs, Petty Patents, Utility Models, Copyrights, Unregistered Design Rights, and legal equivalents thereof anywhere in the world for said invention in its own name, we further authorize and request the Commissioner of Patents and Trademarks or any other proper officer or agency of any country to record this assignment and issue all said Patents, Design Registrations, Industrial Models, Industrial Designs, Petty Patents, Utility Models, Copyrights, Unregistered Design Rights, and legal equivalents thereof to said Assignee;

AND WE HEREBY warrant and covenant that we either had or do have the full right to convey the entire interest herein assigned at the time of the sale, assignment and transfer;

AND WE HEREBY warrant and covenant that we have not executed and will not execute any instrument or assignment in conflict herewith;

AND WE HEREBY agree to communicate to said assignees or their representatives any facts known to us respecting said invention, to execute all divisional, continuation, renewal, reissue and foreign applications, sign all lawful documents and make all rightful oaths and declarations relating to said invention, sign all lawful documents which the Assignees shall consider desirable for aiding in securing and maintaining proper protection for said invention and to testify in any judicial or administrative proceeding and generally do everything possible to

aid said Assignees or any assignee of said Assignees to obtain and enforce said Patents, Design Registrations, Industrial Models, Industrial Designs, Petty Patents, Utility Models, Copyrights, Unregistered Design Rights, and legal equivalents thereof worldwide when requested so to do by said Assignees or any assignee of said Assignees.

IN WITNESS WHEREOF, we have hereunto set our hand and seal:

(Date) April 5<sup>th</sup> '05

(Signature) \_\_\_\_\_

  
Raziq Yaqub

(Date) \_\_\_\_\_

(Signature) \_\_\_\_\_

  
Tao Zhang