

Docket No.: APP 1570

Form PTO-1595 (Rev. 09/04)
OMB No. 0651-0027 (exp. 6/30/2005)U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office**RECORDATION FORM COVER SHEET
PATENTS ONLY**

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

1. Name of conveying party(ies)/Execution Date(s):Tao Zhang
Miriam Tauli
Sunil Hukmichand MadhaniExecution Date(s): 2/14/05, 2/15/05, 2/14/05Additional name(s) of conveying party(ies) attached? ☒ Yes ☐ No**3. Nature of conveyance:**

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)Name: Telcordia Technologies, Inc.

Internal Address: _____

Street Address: One Telcordia Drive 5G116City: PiscatawayState: NJCountry: USA Zip: 08854-4157Additional name(s) & address(es) attached? ☒ Yes ☐ No**4. Application or patent number(s):**

A. Patent Application No.(s)

11/007,868☐ This document is being filed together with a new application.

B. Patent No.(s)

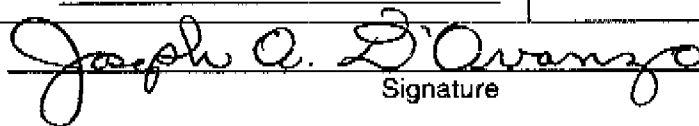
Additional numbers attached? ☐ Yes ☒ No**5. Name and address to whom correspondence concerning document should be mailed:**Name: William A. SchonemanInternal Address: Telcordia Technologies, Inc.Street Address: One Telcordia Drive 5G116City: PiscatawayState: NJ Zip: 08854Phone Number: (732) 699-3050Fax Number: (732) 336-3004Email Address: wschonem@telcordia.com**6. Total number of applications and patents involved:**1**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 _____

Expiration Date _____

b. Deposit Account Number 021822Authorized User Name Joseph A. D'Avanzo**9. Signature:**

Signature

April 26, 2005

Date

Joseph A. D'Avanzo
Name of Person SigningTotal number of pages including
cover6Documents 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, VA 22313-1450

700174101

PATENT
REEL: 016171 FRAME: 0001

CH \$40.00 021822 11007868

1. Name of conveying party(ies)/Execution Date(s):

Prathima Agrawal Execution Date: 02/28/05

Toshikazu Kodama Execution Date: 02/14/05

2. Name and address of receiving party(ies)

Name: Toshiba America Research, Inc.

Street Address: One Telcordia Drive – Suite 1S211

City: Piscataway

State: NJ

Country: USA Zip 08854-4151

Atty. Docket: APP 1570

ASSIGNMENT OF APPLICATION

WHEREAS, I/we, **Tao Zhang, Miriam Taul, Sunil Hukmichand Madhani, Prathima Agrawal and Toshikazu Kodama**, have invented certain useful improvements in **"METHOD AND SYSTEMS FOR TOLL-FREE INTERNET PROTOCOL COMMUNICATION SERVICES"** described in an application for Letters Patent; and

WHEREAS, I/we, hereby authorize and request my/our attorney to insert below the filing date and application number when they become known to comply with 37 CFR 3.21 for recordal of this assignment:
U. S. Application No. **11/007,868** filed on **December 9, 2004**; and

WHEREAS, Telcordia Technologies, Inc., a corporation of the State of Delaware, having a place of business at One Telcordia Drive, Piscataway, New Jersey 08854-4151, US, for the benefit of itself and its successors and assigns, is desirous of acquiring all rights, title, and interest in and to said application, all inventions disclosed therein, and any and all Letters Patent of the United States of America, and of all other countries, which may be granted for said inventions, or any of them; and

WHEREAS, Toshiba America Research, Inc., a corporation of the State of Delaware, having a place of business at Suite 1S211, One Telcordia Drive, Piscataway, New Jersey 08854-4151, US, for the benefit of itself and its successors and assigns, is desirous of acquiring all rights, title, and interest in and to said application, all inventions disclosed therein, and any and all Letters Patent which may be granted for said inventions in the United States of America; and

WHEREAS, Toshiba Corporation, Research and Development Center, 1 Komukai Toshiba-Cho, Saiwai-Ku, Kawasaki-Shi 212-8582, Japan, for the benefit of itself and its successors and assigns, is desirous of acquiring all rights, title, and interest in and to said application, all inventions disclosed therein, and any and all Letters Patent which may be granted for said inventions in any country other than the United States of America; and

WHEREAS, Telcordia Technologies, Inc., Toshiba America Research, Inc., and Toshiba Corporation are all inclusively hereinafter referred to as **"Co-Assignees"**; and

WHEREAS, I/we hereby represent and warrant to Co-Assignees that I/we have, with respect to third parties, full and unencumbered rights, title, and interest in and to said application, inventions, and Letters Patent, and further that I/we may freely assign the same; and

NOW, THEREFORE, for good and valuable consideration, the receipt of which from Co-Assignees are hereby acknowledged, I/we do hereby sell, assign, and transfer to:

- (i) Telcordia Technologies, Inc., all my/our rights, title, and interest in and to said application, including all priority rights arising therefrom, all inventions disclosed therein, and all divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and of all other countries, and all reissues thereof, which may be granted for said inventions, or any of them, together with the right to make application for any and all of the same; and
- (ii) Toshiba America Research, Inc., all my/our rights, title, and interest in and to said application, including all priority rights arising therefrom, all inventions disclosed therein, and all divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and all reissues thereof, which may be granted for said inventions, or any of them, together with the right to make application for any and all of the same in the United States only; and

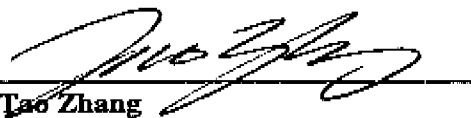
(iii) Toshiba Corporation, all my/our rights, title, and interest in and to said application, including all priority rights arising therefrom, all inventions disclosed therein, and all divisions and continuations thereof, and in and to any and all Letters Patent of any foreign country other than the United States, and all reissues thereof, which may be granted for said inventions, or any of them, together with the right to make application for any and all of the same in any foreign country other than the United States; and

TO HAVE, HOLD, AND ENJOY said inventions, said application and rights, and said Letters Patent, or any of them, to its own use and behoof to the full end of the term or terms for which said applications may endure and for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment not been made;

AND I/WE HEREBY authorize and request the Commissioner of Patents and Trademarks or any other proper officer or agency of any country to issue or reissue such Letters Patent as may be granted on said application, on any division or continuation thereof, or for said inventions, or any of them, to said Co-Assignees in accordance with the terms of this instrument;

AND I/WE HEREBY agree that I/we shall, at the request of Co-Assignees and without demand of further consideration, but at no expense to me/us, do all lawful and just acts, including execution and acknowledgment of instruments, furnishing information, and giving testimony, particularly in the event of interference or litigation, indicated by counsel for Co-Assignees to be necessary for obtaining, maintaining, and perfecting the property rights, or any of them, hereby assigned in the United States or any foreign country.

IN WITNESS WHEREOF, I/we hereunto set my/our hand and seal on the day and year indicated.



Tao Zhang

Date: 2/14/2005

County of Middlesex)
SS:
State of New Jersey)

Then personally appeared before me on the indicated date(s) the above-named **Tao Zhang** to me personally known and known by me to be the person(s) described in and who executed the foregoing instrument, and acknowledged the same, before me, to be his/her/their own free act and deed.

2/14/2005
Date


Notary Public
JOSEPH A. D'AVANZO
A NOTARY PUBLIC OF NEW JERSEY
MY COMMISSION EXPIRES MARCH 25, 2006

Miriam Tauli
Miriam Tauli

Date: 2/15/2005County of Middlesex

SS:

State of New Jersey)

Then personally appeared before me on the indicated date(s) the above-named **Miriam Tauli** to me personally known and known by me to be the person(s) described in and who executed the foregoing instrument, and acknowledged the same, before me, to be his/her/their own free act and deed.

2/14/2005

Date

Joseph A. D'Avanzo
Notary Public

JOSEPH A. D'AVANZO

A NOTARY PUBLIC OF NEW JERSEY

MY COMMISSION EXPIRES MARCH 25, 2006

Date: 2/14/2005

Sunil Hukmichand Madhani
Sunil Hukmichand Madhani

County of Middlesex

SS:

State of New Jersey)

Then personally appeared before me on the indicated date(s) the above-named **Sunil Hukmichand Madhani** to me personally known and known by me to be the person(s) described in and who executed the foregoing instrument, and acknowledged the same, before me, to be his/her/their own free act and deed.

2/14/2005

Date

Joseph A. D'Avanzo
Notary Public

JOSEPH A. D'AVANZO

A NOTARY PUBLIC OF NEW JERSEY

MY COMMISSION EXPIRES MARCH 25, 2006

Date: 2-28-2005

Prathima Agrawal
Prathima Agrawal

County of Lee

SS:

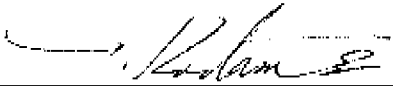
State of Alabama

Then personally appeared before me on the indicated date(s) the above-named **Prathima Agrawal** to me personally known and known by me to be the person(s) described in and who executed the foregoing instrument, and acknowledged the same, before me, to be his/her/their own free act and deed.

February 28, 2005

Date

Donna L. Kelly
Notary Public



Toshikazu Kodama

Date: 14. February, 2005

County of Middlesex
SS:
State of New Jersey)

Then personally appeared before me on the indicated date(s) the above-named **Toshikazu Kodama** to me personally known and known by me to be the person(s) described in and who executed the foregoing instrument, and acknowledged the same, before me, to be his/her/their own free act and deed.

2/14/2005
Date


Notary Public
JOSEPH A. D'AVANZO
A NOTARY PUBLIC OF NEW JERSEY
MY COMMISSION EXPIRES MARCH 25, 2006

