

FORM PTO-1619A
Expires 06/30/99
OMB 0651-0027

U.S. Department of Commerce
Patent and Trademark Office
PATENT

RECORDATION FORM COVER SHEET PATENTS ONLY

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

- ☒ New
- ☐ Resubmission (Non-Recordation)
Document ID#
- ☐ Correction of PTO Error
Reel # Frame #
- ☐ Corrective Document
Reel # Frame #

Conveyance Type

- ☒ Assignment ☐ Security Agreement
- ☐ License ☐ Change of Name
- ☐ Merger ☐ Other
- U.S. Government
(For Use ONLY by U.S. Government Agencies)
- ☐ Departmental File ☐ Secret File

Conveying Party(ies)

- ☒ Mark if additional names of conveying parties attached
- Name (line 1) Agrawal, Prathima
- Execution Date
Month Day Year
 10/09/2001

Second Party

- Name (line 1) Chen, Jyh-Cheng
- Execution Date
Month Day Year
 10/04/2001
- Name (line 2)

Receiving Party

- ☒ Mark if additional names of receiving parties attached

- Name (line 1) Telcordia Technologies, Inc.
- Name (line 2) A Corporation of the State of Delaware
- Address (line 1) 445 South Street
- Address (line 2)
- Address (line 3) Morristown New Jersey 07960
- City State/Country Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Domestic Representative Name and Address

Enter for the first Receiving Party only.

- Name
- Address (line 1)
- Address (line 2)
- Address (line 3)
- Address (line 4)

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Mail documents to be recorded with required cover sheet to the Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20531

PATENT
REEL 012488 FRAME: 0637

FORM PTO-1619B
Expires 06/30/99
OMB 0651-0027

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U.S. Department of Commerce
Patent and Trademark Office
PATENT

Correspondent Name and Address

Area Code and Telephone Number

973-829-2352

Name Joseph Giordano, Esq.

Address (line 1) Telcordia Technologies, Inc.

Address (line 2) 445 South Street

Address (line 3) Morristown, New Jersey 07960

Address (line 4)

Pages

Enter the total number of pages of the attached conveyance document
including any attachments.

3

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

09975890

Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application
was

Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number
only if a U.S. Application Number
has not been assigned.

PCT

PCT

PCT

PCT

PCT

PCT

Number of Properties

Enter the total number of properties involved.

1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$

Method of Payment:

Enclosed ☐Deposit Account ☒

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the

Deposit Account Number:

02-1822

Authorization to charge additional fees:

Yes

☒

No

☐

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. Charges to deposit account are authorized, as
indicated herein.

Joseph Giordano

Name of Person Signing

Signature

Date

PATENT

REEL: 012408 FRAME: 0638

FORM PTO-1619C

Expires 08/30/99
OMB 0851-0027**RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY**U.S. Department of Commerce
Patent and Trademark Office
PATENT**Conveying Party(ies)**

Enter additional Conveying Parties

☐

Mark if additional names of conveying parties attached

Name (line 1) Zhang, Tao

Execution Date
Month Day Year
10/08/2001

Name (line 2)

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Receiving Party☐

Mark if additional names of receiving parties attached

Name (line 1) Toshiba America Research, Inc.

Name (line 2) A Corporation of the State of Delaware

Address (line 1) 445 South Street, Suite 1B260B

Address (line 2)

Address (line 3) Morristown

New Jersey

07960

City

State/Country

Zip Code

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

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Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

PATENT
REEL: 012408 FRAME: 0639

Atty. Docket: APP 1299

ASSIGNMENT OF APPLICATION

WHEREAS, I/we, **Prathima Agrawal, Jyh-Cheng Chen and Tao Zhang** have invented certain useful improvements in **"Network-Layer and Link-Layer Use of Shadow Addresses With IP-Based Base Stations"** 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. 09 /975,890 filed on October 12, 2001; and

WHEREAS, Telcordia Technologies, Inc., a corporation of the State of Delaware, having a place of business at 445 South Street, Morristown, NJ 07960, 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 445 South Street, Suite 1B260B, Morristown, NJ 07960, 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.

Prathima Agrawal
Prathima Agrawal

Date: 10/9/2001

County of Morris

SS

State of New Jersey

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.

Oct. 9, 2001
Date

Linda K. Adams
Notary Public

LINDA K. ADAMS
A Notary Public of New Jersey
My Commission Expires 3/28/01

Jyh-Cheng Chen
Jyh-Cheng Chen

Date: 10/4/2000

County of _____
State of _____ SS

Then personally appeared before me on the indicated date(s) the above-named **Jyh-Cheng Chen** 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.

Date

Notary Public

Tao Zhang
Tao Zhang

Date: 10/08/2001

County of Morris
State of New Jersey SS

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.

10/8/01
Date

Linda K. Adams
Notary Public

LINDA K. ADAMS
A Notary Public of New Jersey
My Commission Expires 3/28/04