

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 Director of the United States Patent and Trademark Office: 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**  
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Departmental File  Secret File

#### Conveying Party(ies)

Mark if additional names of conveying parties attached

Name (line 1)  Execution Date Month  Day  Year

Name (line 2)

**Second Party**

Name (line 1)  Execution Date Month  Day  Year

Name (line 2)

#### Receiving Party

Mark if additional names of receiving parties attached

Name (line 1)   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.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)     
City State/Country Zip Code

#### 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)

#### FOR OFFICE USE ONLY

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Mail documents to be recorded with required cover sheet(s) information PATENT  
Mail Stop Assignment Recordation Services, Director of the United States Patent and Trademark Office,  
700098403 P.O. Box 1450, Alexandria, VA 22313-1450 TEL: 014844 FRAME: 0496

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# RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY

FORM PTO-1619C  
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U.S. Department of Commerce  
Patent and Trademark Office  
PATENT

## Conveying Party(ies)

Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

## Receiving Party

Mark if additional names of receiving parties attached

Name (line 1)

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.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)     
City State/Country Zip Code

Name (line 1)

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.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)     
City State/Country Zip Code

## 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)

Patent Number(s)

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FORM PTO-1619B  
Expires 06/30/99  
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U.S. Department of Commerce  
Patent and Trademark Office  
PATENT

**Correspondent Name and Address**

Area Code and Telephone Number

(732) 699-4800

Name Joseph Giordano

Address (line 1) Telcordia Technologies, Inc.

Address (line 2) One Telcordia Drive

Address (line 3) Piscataway, NJ 08854-4157

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)

Patent Number(s)

10815605						

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): \$

40.00

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:

# 021822

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

7/9/04

Date

Atty. Docket: APP 1478

**ASSIGNMENT OF APPLICATION**

**WHEREAS**, I/we, Yibei Ling, Jasmine Chennikara, Wai Chen have invented certain useful improvements in "Estimator For End-To-End Throughput of Wireless Networks" 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. 10/815,605 filed on 04/01/ 2004; and

**WHEREAS**, Telcordia Technologies, Inc., a corporation of the State of Delaware, having a place of business at One Telcordia Drive, Piscataway, NJ 08854-4157, United States of America, for the benefit of itself and its successors and assigns, all inclusively hereinafter referred to as "Assignee", 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**, I/we hereby represent and warrant to Assignee 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;

**NOW, THEREFORE**, for good and valuable consideration, the receipt of which from Assignee is hereby acknowledged, I/we do hereby sell, assign, and transfer to Assignee 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;

**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 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 Assignee in accordance with the terms of this instrument;

**AND I/WE HEREBY** agree that I/we shall, at the request of Assignee 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 Assignee to be necessary for obtaining, maintaining, and perfecting the property rights, or any of them, hereby assigned.

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

  
\_\_\_\_\_  
Yibei Ling

Date: 7/1/04

County of Middlesex

ss

State of New Jersey

Then personally appeared before me on the indicated date(s) the above-named Yibei Ling, 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.

7-1-04  
Date

  
\_\_\_\_\_  
NOTARY PUBLIC

*Jasmine Chennikara*  
Jasmine Chennikara

Date: 7-1-2004

County of Middlesex  
SS  
State of New Jersey

Then personally appeared before me on the indicated date(s) the above-named Jasmine Chennikara, 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.

7-1-04  
Date

*Michelle Manera*  
NOTARY PUBLIC

NOTARY PUBLIC  
MIDDLESEX COUNTY  
NEW JERSEY

Date: 6/30/2004

*Wai Chen*  
Wai Chen

County of Middlesex  
SS  
State of New Jersey

Then personally appeared before me on the indicated date(s) the above-named Wai 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.

6-30-04  
Date

*Michelle Manera*  
NOTARY PUBLIC

NOTARY PUBLIC  
MIDDLESEX COUNTY  
NEW JERSEY

