

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)

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

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB

700008816

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

PATENT

REEL: 0798 FRAME: 0229

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

Page 2

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

**Correspondent Name and Address**

Area Code and Telephone Number

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

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

**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)

<input type="text" value="09975910"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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 <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>
PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>

**Number of Properties**

Enter the total number of properties involved. #

**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: #

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.

Orville R. Cockings

Name of Person Signing

Signature

11/20/2002

Date

FORM PTO-1619C  
Expires 08/30/99  
OMB 0651-0027

# RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY

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)	<input type="text"/>	Execution Date Month Day Year	<input type="text"/>
Name (line 2)	<input type="text"/>		
Name (line 1)	<input type="text"/>	Execution Date Month Day Year	<input type="text"/>
Name (line 2)	<input type="text"/>		
Name (line 1)	<input type="text"/>	Execution Date Month Day Year	<input type="text"/>
Name (line 2)	<input type="text"/>		

## Receiving Party

Mark if additional names of receiving parties attached

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

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

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.)

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.)

## 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)

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Atty. Docket: APP 1374

**ASSIGNMENT OF APPLICATION**

**WHEREAS**, I/we, **Jyh-Cheng Chen** and **Tao Zhang** have invented certain useful improvements in **"Distributed Smooth Handoff Using Shadow Addresses in 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 /975,910 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

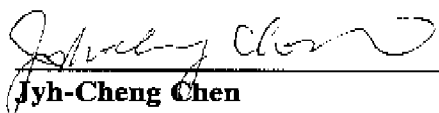
(iii) Toshiba Corporation, all my/our rights, title, and interest in and to said application, including all priority rights arising therefrom, all inventions disclosed therein, and all divisions and continuations thereof, and in and to any and all Letters Patent of any foreign country other than the 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.

  
\_\_\_\_\_  
**Jyh-Cheng Chen**

Date: 10/4/2001

County of \_\_\_\_\_

ss

State of \_\_\_\_\_

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

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.

10/8/01  
Date

*Linda K. Adams*  
Notary Public

LINDA K. ADAMS  
A Notary Public of New Jersey  
My Commission Expires 3/23/04

