

Form **PTO-1595** (Rev. 03/05)
 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 U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

- 1. Tao Zhang
- 2. Sunil Madhani
- 3. Provin Gurung
- 4. Eric Van Den Berg

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: _____ Zip: 08854

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 12/12/05; 12/01/05; 12/01/05; 11/28/05

- 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)

11/161,668

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:

Name: WATCHSTONE P+D

Internal Address: _____

Street Address: 1300 I STREET, N.W.

400 EAST TOWER

City: WASHINGTON

State: DC Zip: 20005

Phone Number: (202) 659-0100

Fax Number: (202) 659-0100

Email Address: _____



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 1048
 Expiration Date 04/06

b. Deposit Account Number _____

Authorized User Name _____

9. Signature:

Signature

December 19, 2005

Date

Stephen B. Parker
 Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

8

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 1460, Alexandria, V.A. 22313-1450

CP \$40.00 11161668

Recordation Form Cover Sheet – PATENTS ONLY**2. Name and address of receiving party(ies)**Name: Telcordia Technologies, Inc.

Internal Address: _____

Street Address: 1 Telcordia Drive
Suite 05G0116City: PiscatawayState: NJCountry: USA Zip: 08854Name: Kabushiki Kaisha Toshiba

Internal Address: _____

Street Address: 72, Horikawa-Cho, Saiwai-Ku
_____City: Kawasaki-shiState: Kanagawa-KenCountry: JAPAN Zip: _____

ASSIGNMENT

WHEREAS, the below-signed individual(s) am/are the inventor(s) (hereinafter, **ASSIGNORS**) of an invention in (title) REDUCING POWER CONSUMPTION OF WI-FI ENABLED MOBILE DEVICES

for which I/we have executed an application for Letters Patent of the United States on even date herewith, or, if filed after the filing date of such application for Letters Patent of the United States, said filing date of such application for letters patent being 08-11-2005, and relating to application Serial No. 11/161,668 (said filing date and Serial No. is authorized to be later filled in on the above blanks by patent counsel, Stephen B. Parker, Reg. No. 36,631); and

WHEREAS,

Toshiba America Research, Inc., incorporated in the state of New Jersey, with a place of business at 1 Telcordia Drive, Suite 1A257, Piscataway, New Jersey 08854 (hereinafter, **ASSIGNEE #1**) has received and is desirous of obtaining jointly with the below-listed **ASSIGNEE #2** the entire right, title and interest in, to and under the said invention and the said application within the territories of the United States;

Telcordia Technologies, Inc., a corporation of the state of Delaware, with a place of business at 1 Telcordia Drive, Suite 05G0116, Piscataway, New Jersey (hereinafter, **ASSIGNEE #2**) has received and is desirous of obtaining jointly with the above-listed **ASSIGNEE #1** the entire right, title and interest in, to and under the said invention and the said application within the territories of the United States and has received and is desirous of obtaining jointly with the below-listed **ASSIGNEE #3** the entire right, title and interest in, to and under the said invention within countries foreign to the territories of the United States;

Kabushiki Kaisha Toshiba, incorporated in Japan, with a place of business at 72, Horikawa-Cho, Saiwai-Ku, Kawasaki-shi, Kanagawa-Ken, Japan (hereinafter, **ASSIGNEE #3**) has received and is desirous of obtaining jointly with the above-listed **ASSIGNEE #2** the entire right, title and interest in, to and under the said invention and the said application within countries foreign to the territories of the United States;

My/our entire right, title and interest worldwide have been and are now to be sold, assigned, transferred and set over to said Assignee #1, Assignee #2 and Assignee #3 (**ASSIGNEE #1, ASSIGNEE #2 and ASSIGNEE #3** hereinafter collectively referred to as **ASSIGNEES**) under the terms herein.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me/us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I/we the said **ASSIGNORS** has/have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over:

a) (United States) jointly unto the said **ASSIGNEE #1 and ASSIGNEE #2**, their successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention within the territories of the United States, and the said application and

all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and I/we hereby authorize and request the Commissioner of Patents of the United States, whose duty it is to issue patents on applications as aforesaid, to issue all United States Letters Patents for said invention jointly to the said **ASSIGNEE #1 and ASSIGNEE #2**, their successors, legal representatives and assigns, in accordance with the terms this instrument; and

b) (Countries Foreign to the United States) jointly unto the said **ASSIGNEE #2 and ASSIGNEE #3** all applications for Letters Patent which may hereafter be filed for said invention in any country or countries foreign to the United States, and all Letters Patent which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof and all rights of priority in any such country or countries based upon the filing of the said application for Letters Patent of the United States which are created by any law, treaty or international convention, and I/we hereby authorize and request any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for any Country Foreign to the United States for said invention jointly to the said **ASSIGNEE #2 and ASSIGNEE #3**, their successors, legal representatives and assigns, in accordance with the terms this instrument; .

AND I/WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND I/WE HEREBY further covenant and agree that we will communicate to said **ASSIGNEES**, their successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said **ASSIGNEES**, their successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

IN TESTIMONY WHEREOF, we, the below-listed **ASSIGNORS**, hereunto set our hands and seals the day and year set opposite our respective signatures.

Date _____ 12/12/2005

 Signature

Printed Name: Tao Zhang

Address: 247 Harmon Ave.

Fort Lee, NJ 07024

Date _____ 2005

 Signature

Printed Name: Sunil Madhani

Address: _____

Date _____ 12/01/2005

 Signature

Printed Name: Provin Gurung

Address: 6 Hollycourt, Highland Park,
NJ 08904.

Date h/ _____ 11/28/2005

 Signature

Printed Name: Eric Van Den Berg

Address: 1000 Hudson St.

Hoboken, NJ 07030

ASSIGNMENT

WHEREAS, the below-signed individual(s) am/are the inventor(s) (hereinafter, **ASSIGNORS**) of an invention in (title) **REDUCING POWER CONSUMPTION OF WI-FI ENABLED MOBILE DEVICES**

for which I/we have executed an application for Letters Patent of the United States on even date herewith, or, if filed after the filing date of such application for Letters Patent of the United States, said filing date of such application for letters patent being 08-11-2005, and relating to application Serial No. 11/161,668 (said filing date and Serial No. is authorized to be later filled in on the above blanks by patent counsel, Stephen B. Parker, Reg. No. 36,631); and

WHEREAS,

Toshiba America Research, Inc., incorporated in the state of New Jersey, with a place of business at 1 Telcordia Drive, Suite 1A257, Piscataway, New Jersey 08854 (hereinafter, **ASSIGNEE #1**) has received and is desirous of obtaining jointly with the below-listed **ASSIGNEE #2** the entire right, title and interest in, to and under the said invention and the said application within the territories of the United States;

Telcordia Technologies, Inc., a corporation of the state of Delaware, with a place of business at 1 Telcordia Drive, Suite 05G0116, Piscataway, New Jersey (hereinafter, **ASSIGNEE #2**) has received and is desirous of obtaining jointly with the above-listed **ASSIGNEE #1** the entire right, title and interest in, to and under the said invention and the said application within the territories of the United States and has received and is desirous of obtaining jointly with the below-listed **ASSIGNEE #3** the entire right, title and interest in, to and under the said invention within countries foreign to the territories of the United States;

Kabushiki Kaisha Toshiba, incorporated in Japan, with a place of business at 72, Horikawa-Cho, Saiwai-Ku, Kawasaki-shi, Kanagawa-Ken, Japan (hereinafter, **ASSIGNEE #3**) has received and is desirous of obtaining jointly with the above-listed **ASSIGNEE #2** the entire right, title and interest in, to and under the said invention and the said application within countries foreign to the territories of the United States;

My/our entire right, title and interest worldwide have been and are now to be sold, assigned, transferred and set over to said Assignee #1, Assignee #2 and Assignee #3 (**ASSIGNEE #1, ASSIGNEE #2 and ASSIGNEE #3** hereinafter collectively referred to as **ASSIGNEES**) under the terms herein.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me/us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I/we the said **ASSIGNORS** has/have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over:

a) (United States) jointly unto the said **ASSIGNEE #1 and ASSIGNEE #2**, their successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention within the territories of the United States, and the said application and

all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and I/we hereby authorize and request the Commissioner of Patents of the United States, whose duty it is to issue patents on applications as aforesaid, to issue all United States Letters Patents for said invention jointly to the said **ASSIGNEE #1 and ASSIGNEE #2**, their successors, legal representatives and assigns, in accordance with the terms this instrument; and

b) (Countries Foreign to the United States) jointly unto the said **ASSIGNEE #2 and ASSIGNEE #3** all applications for Letters Patent which may hereafter be filed for said invention in any country or countries foreign to the United States, and all Letters Patent which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof and all rights of priority in any such country or countries based upon the filing of the said application for Letters Patent of the United States which are created by any law, treaty or international convention, and I/we hereby authorize and request any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for any Country Foreign to the United States for said invention jointly to the said **ASSIGNEE #2 and ASSIGNEE #3**, their successors, legal representatives and assigns, in accordance with the terms this instrument; .

AND I/WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND I/WE HEREBY further covenant and agree that we will communicate to said **ASSIGNEES**, their successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said **ASSIGNEES**, their successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

IN TESTIMONY WHEREOF, we, the below-listed **ASSIGNORS**, hereunto set our hands and seals the day and year set opposite our respective signatures.

Date _____ 2005

Signature

Printed Name: Tao Zhang

Address: _____

Date 12/1/2005 _____ 2005

Signature

Printed Name: Sunil Madhani

Address: 7700 W. Parmer Ln., PL 67
Austin, TX 78729

Date _____ 2005

Signature

Printed Name: Provin Gurung

Address: _____

Date _____ 2005

Signature

Printed Name: Eric Van Den Berg

Address: _____