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U.S. DEPARTMENT OF COMMERCE  
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# 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)

Farooq ANJUM; and Abhrajit GHOSH

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

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

Execution Date(s) October 19, 2006; and October 19, 2006

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

## 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: U.S. Zip: 08854

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

## 4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

11/531,814

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Stephen B. Parker

Internal Address: Docket No. 3119.134

Street Address: WATCHSTONE P+D, plc

1250 Connecticut Avenue, N.W., Suite 700

City: Washington

State: District of Columbia Zip: 20036-2657

Phone Number: (202) 419-1518

Fax Number: (202) 318-4261

Email Address: parker@w-pd-a.com

## 6. Total number of applications and patents involved: ONE (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 9017  
Expiration Date 10/2010

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Authorized User Name \_\_\_\_\_

## 9. Signature:

Signature

Date

Stephen B. Parker, Reg. No. 36,631

Name of Person Signing

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

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

PATENT  
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**ADDITIONAL NAME/ADDRESS OF RECEIVING PARTY**  
**FOR RECORDATION FORM COVERSHEET (PATENTS)**

**Second Assignee**

**Name: Telcordia Technologies, Inc.**

**Street Address: 1 Telcordia Drive, Suite 05G0116**

**City: Piscataway**

**State: New Jersey**

**Country: USA                      Zip: 08854**

## ASSIGNMENT

**WHEREAS**, the below-signed individual(s) am/are the inventor(s) (hereinafter, **ASSIGNORS**) of an invention in , 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 provisionally filed on December 15, 2005 in provisional application serial no. 60/750,736 and non-provisionally filed on 4/14/06 in non-provisional application Serial No. 11/531,214 (patent counsel Stephen B. Parker, Reg. No. 36,631 is authorized to fill in the non-provisional filing date and the non-provisional Serial No. after execution of this document); 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 1-1, Shibaura 1-chome, Minato-ku, Tokyo, 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; .

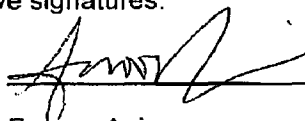
**AND I/WE HEREBY** covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

**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 19 Oct, 2006

Signature



Printed Name: Farooq Anjum

Address:

3106 Holland Drive  
Somerset NJ 08873

Date 19 Oct, 2006

Signature



Printed Name: ABHRAJIT  
Abhrajit Ghosh

Address:

405 TIMBER OAKS ROAD  
EDISON NJ 08820

Docket No. 3119.135