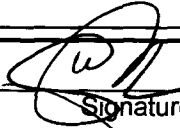


05-14-2007

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

<p>21067</p> <p>To the Director of the U.S. Patent a.</p>		<p>103405522</p> <p>documents or the new address(es) below.</p>
<b>1. Name of conveying party(ies)</b> Moncef ELAOU Bechir HAMDAOUI		<b>2. Name and address of receiving party(ies)</b> Name: TOSHIBA AMERICA RESEARCH, INC. Internal Address: _____ Street Address: 1 Telcordia Drive Suite 1A257 City: Piscataway State: New Jersey Country: USA Zip: 08854
<b>3. Nature of conveyance/Execution Date(s):</b> Execution Date(s) 11/13/2006; and 11/10/2006 <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____		<b>4. Application or patent number(s):</b> <input type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) 11/308,138 B. Patent No.(s) Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>5. Name and address to whom correspondence concerning document should be mailed:</b> Name: Stephen B. Parker Internal Address: Docket No. 3119.123 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) 418-1518 Fax Number: (202) 318-4261 Email Address: parker@w-pd-a.com		<b>6. Total number of applications and patents involved:</b> one (1) <b>7. Total fee (37 CFR 1.21(h) &amp; 3.41)</b> \$ 40.00 <input checked="" type="checkbox"/> Authorized to be charged by credit card <input type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title) <b>8. Payment Information</b> a. Credit Card Last 4 Numbers 9017 Expiration Date 10/2010 b. Deposit Account Number _____ Authorized User Name _____
<b>9. Signature:</b> <p>05/11/2007 DBYRNE 00000146 11308138</p> <p>01 FC:8021</p> <p>Signature:  Date: May 7, 2007</p> <p>Stephen B. Parker, Reg. No. 36,631 Name of Person Signing</p> <p>Total number of pages including cover sheet, attachments, and documents: 6</p>		

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 1450, Alexandria, V.A. 22313-1450

PATENT  
REEL: 019305 FRAME: 0650

**RECORDATION FORM COVER SHEET CONT'D**

***ADDITIONAL NAME OF RECEIVING PARTY***

<b><u>Name</u></b>	<b><u>Address</u></b>
<b>TELCORDIA TECHNOLOGIES, INC.</b>	<b>1 Telcordia Drive, Suite 05G0116 Piscataway, NJ 08854</b>

3119-123

**ASSIGNMENT**

**WHEREAS**, the below-signed individual(s) am/are the inventor(s) (hereinafter, **ASSIGNORS**) of an invention in **AN ADMISSION CONTROL FOR CONTENTION-BASED ACCESS TO A WIRELESS COMMUNICATION MEDIUM**, 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 being **March 8, 2006**, and relating to application Serial No. **11/308,138**;

**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

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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 11/13/06, 2006

Signature 

Printed Name: Moncef ELAoud

Address: 325 Pinnacle Drive, Lake Hopatcong, NJ  
07849

Date \_\_\_\_\_, 2006

Signature \_\_\_\_\_

Printed Name: Bechir HAMDAR

Address: \_\_\_\_\_  
\_\_\_\_\_

3118-123

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 11-10, 2006

Signature

Printed Name: Moncef ELAOU

Address: \_\_\_\_\_

Date 11-10, 2006

Signature

Printed Name: Bechir HAMDAOUI

Address: 1625 Kings Mill Way #205  
Madison, WI 53718

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PATENT

RECORDED: 05/10/2007

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