

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the incorrect numbers, 12/061,477 and 5,689,837 previously recorded on Reel 025895 Frame 0020. Assignor(s) hereby confirms the Release by Secured Party.
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Silicon Valley Bank	03/01/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Mobileaccess Networks, Inc.
<b>Street Address:</b>	8391 Old Courthouse Road
<b>Internal Address:</b>	Suite 300
<b>City:</b>	Vienna
<b>State/Country:</b>	VIRGINIA
<b>Postal Code:</b>	22181
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12016477
<b>Patent Number:</b>	5969837
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(302)636-5454
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	202-408-3121 x2348
<b>Email:</b>	jpaterso@cscinfo.com
<b>Correspondent Name:</b>	Corporation Service Co.-J. Paterson
<b>Address Line 1:</b>	1090 Vermont Avenue NW, Suite 430
<b>Address Line 4:</b>	Washington, DISTRICT OF COLUMBIA 20005
<b>ATTORNEY DOCKET NUMBER:</b>	DN
<b>NAME OF SUBMITTER:</b>	Jean Paterson
Total Attachments: 29	

CH \$80.00 12016477

**501574340**

**PATENT**  
**REEL: 026498 FRAME: 0618**

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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)**

SILICON VALLEY BANK

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

**2. Name and address of receiving party(ies)**

Name: MOBILEACCESS NETWORKS, INC.

Internal Address: SUITE 300

Street Address: 8391 OLD COURTHOUSE ROAD

City: VIENNA

State: VIRGINIA

Country: UNITED STATES Zip: 22182

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

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

Execution Date(s) \_\_\_\_\_

- 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)

12/016,477

B. Patent No.(s)

5,969,837

Additional numbers attached?  Yes  No

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

Name: CORPORATION SERVICE COMPANY

Internal Address: SUITE 210

Street Address: 1185 AVENUE OF THE AMERICAS

City: NEW YORK

State: NEW YORK Zip: 10036

Phone Number: 212-299-5600

Fax Number: 212-299-5656

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

**6. Total number of applications and patents involved:** 2

**7. Total fee (37 CFR 1.21(h) & 3.41) \$** \_\_\_\_\_


- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

**8. Payment Information**

Deposit Account Number \_\_\_\_\_

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

**9. Signature:**

  
Signature

JUNE 23, 2011

Date

ANDREW NASH  
Name of Person Signing

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

CORPORATION SERVICE COMPANY COMPANY:1090 VERMONT AVENUE NW, SUITE 430

**UNITED STATES PATENT AND TRADEMARK OFFICE**UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

MARCH 03, 2011

PTAS

CORPORATION SERVICE COMPANY  
1090 VERMONT AVENUE NW, SUITE 430  
WASHINGTON, DC 20005

\*501455601\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 03/03/2011

REEL/FRAME: 025895/0020

NUMBER OF PAGES: 22

BRIEF: RELEASE BY SECURED PARTY (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 696449

ASSIGNOR:

SILICON VALLEY BANK

DOC DATE: 03/01/2011

ASSIGNEE:

MOBILEACCESS NETWORKS, INC.  
8391 OLD COURTHOUSE ROAD  
SUITE 300  
VIENNA, VIRGINIA 22182

O:CORPORATION SERVICE COMPANY COMPANY:1090 VERMONT AVENUE NW, SUITE 430

C25895/0020 PAGE 2

APPLICATION NUMBER: 12227123 ✓ FILING DATE: 02/25/2009  
PATENT NUMBER: ISSUE DATE:  
TITLE: TRANSMISSION OF INFORMATION TO A GPS DEVICE

APPLICATION NUMBER: 11958062 ✓ FILING DATE: 12/17/2007  
PATENT NUMBER: ISSUE DATE:  
TITLE: DISTRIBUTED ANTENNA SYSTEM FOR MIMO TECHNOLOGIES

APPLICATION NUMBER: 12016459 ✓ FILING DATE: 01/18/2008  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD AND SYSTEM FOR EQUALIZING CABLE LOSSES IN A  
DISTRIBUTED ANTENNA SYSTEM

APPLICATION NUMBER: 12061477 ✓ FILING DATE: 04/02/2008  
PATENT NUMBER: ISSUE DATE:  
TITLE: TEMPLATE FOR MEASURING ANTIMICROBIAL ACTIVITY

APPLICATION NUMBER: 12028201 ✓ FILING DATE: 02/08/2008  
PATENT NUMBER: ISSUE DATE:  
TITLE: TRANSMISSION OF INFORMATION TO A SYSTEM UTILIZING A GPS  
DEVICE

APPLICATION NUMBER: 12033225 ✓ FILING DATE: 02/19/2008  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD AND SYSTEM FOR IMPROVING UPLINK PERFORMANCE

APPLICATION NUMBER: 12033252 ✓ FILING DATE: 02/19/2008  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD AND SYSTEM FOR IMPROVING UPLINK PERFORMANCE

APPLICATION NUMBER: 12465288 ✓ FILING DATE: 05/13/2009  
PATENT NUMBER: ISSUE DATE:  
TITLE: MULTIPLE DATA SERVICES OVER A DISTRIBUTED ANTENNA SYSTEM

APPLICATION NUMBER: 12488559 ✓ FILING DATE: 06/20/2009  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD AND SYSTEM FOR REAL TIME CONTROL OF AN ACTIVE ANTENNA  
OVER A DISTRIBUTED ANTENNA SYSTEM

APPLICATION NUMBER: 12511199 ✓ FILING DATE: 07/29/2009  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD AND SYSTEM FOR COUPLING MULTIMODE OPTICAL FIBER TO AN  
OPTICAL DETECTOR

O:CORPORATION SERVICE COMPANY COMPANY:1090 VERMONT AVENUE NW, SUITE 430

C25895/0020 PAGE 3

APPLICATION NUMBER: 12028842 ✓ FILING DATE: 02/11/2008  
PATENT NUMBER: ISSUE DATE:  
TITLE: INDOOR LOCATION DETERMINATION

APPLICATION NUMBER: 12359321 ✓ FILING DATE: 01/25/2009  
PATENT NUMBER: 7822148 ISSUE DATE: 10/26/2010  
TITLE: MIMO-ADAPTED DISTRIBUTED ANTENNA SYSTEM

APPLICATION NUMBER: 61150764 FILING DATE: 02/08/2009  
PATENT NUMBER: ISSUE DATE:  
TITLE: COMMUNICATION SYSTEM USING CABLES CARRYING ETHERNET SIGNALS

APPLICATION NUMBER: 11558913 FILING DATE: 11/12/2006  
PATENT NUMBER: 7710327 ISSUE DATE: 05/04/2010  
TITLE: MULTI BAND INDOOR ANTENNA

APPLICATION NUMBER: 11828363 FILING DATE: 07/26/2007  
PATENT NUMBER: 7840190 ISSUE DATE: 11/23/2010  
TITLE: FREQUENCY SOURCE SYNCHRONIZATION AND REDUNDANCY

APPLICATION NUMBER: 08661886 FILING DATE: 06/11/1996  
PATENT NUMBER: 5689837 ISSUE DATE: 11/25/1997  
TITLE: WATER ACTUATED TOILET FAN

APPLICATION NUMBER: 12026557 FILING DATE: 02/06/2008  
PATENT NUMBER: 7483504 ISSUE DATE: 01/27/2009  
TITLE: MIMO-ADAPTED DISTRIBUTED ANTENNA SYSTEM

APPLICATION NUMBER: FILING DATE: 02/19/2008  
PATENT NUMBER: ISSUE DATE:  
PCT NUMBER: US0802225  
TITLE: METHOD AND SYSTEM FOR IMPROVING UPLINK PERFORMANCE

APPLICATION NUMBER: FILING DATE: 06/22/2009  
PATENT NUMBER: ISSUE DATE:  
PCT NUMBER: US0948155  
TITLE: METHOD AND SYSTEM FOR REAL TIME CONTROL OF AN ACTIVE ANTIENNA  
OVER A DISTRIBUTED ANTIENNA SYSTEM

APPLICATION NUMBER: FILING DATE: 07/29/2009  
PATENT NUMBER: ISSUE DATE:  
PCT NUMBER: US0952075  
TITLE: METHOD AND SYSTEM FOR COUPLING MULTIMODE OPTICAL FIBER TO  
AN OPTICAL DETECTOR

OCRUSER, EXAMINER  
ASSIGNMENT SERVICES BRANCH  
PUBLIC RECORDS DIVISION

PATENT ASSIGNMENT
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Electronic Version v1.1  
 Stylesheet Version v1.1

03/03/2011  
 501455601

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE BY SECURED PARTY
CONVEYING PARTY DATA	
Name	Execution Date
Silicon Valley Bank	03/01/2011
RECEIVING PARTY DATA	
Name:	Mobileaccess Networks, Inc.
Street Address:	8391 Old Courthouse Road
Internal Address:	Suite 300
City:	Vienna
State/Country:	VIRGINIA
Postal Code:	22182
PROPERTY NUMBERS Total: 20	
Property Type	Number
Application Number:	12227123
Application Number:	11958062
Application Number:	12016459
Application Number:	12061477
Application Number:	12028201
Application Number:	12033226
Application Number:	12033252
Application Number:	12465288
Application Number:	12488559
Application Number:	12511199
Application Number:	12028842
Application Number:	12359321
Application Number:	61150764
PCT Number:	US0802225

CH \$800.00 12227123

CORPORATION SERVICE COMPANY COMPANY:1090 VERMONT AVENUE NW, SUITE 430

PCT Number:	US0948155
PCT Number:	US0952075
Patent Number:	5689837
Patent Number:	7483504
Application Number:	11558913
Application Number:	11828363

## CORRESPONDENCE DATA

Fax Number: (202)408-3141  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
 Phone: 202-408-3121 x2348  
 Email: jpaterso@cscinfo.com  
 Correspondent Name: Corporation Service Company  
 Address Line 1: 1090 Vermont Avenue NW, Suite 430  
 Address Line 4: Washington, DISTRICT OF COLUMBIA 20005

ATTORNEY DOCKET NUMBER:	696449
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NAME OF SUBMITTER:	Jean Paterson
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## Total Attachments: 20

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PATENTS ONLY

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Silicon Valley Bank

2. Name and address of receiving party(ies)

Name: mobileaccess Networks, Inc.

Internal Address: Suite 300

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

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other Release

Street Address: 8391 Old Courthouse Road

City: Vienna State: VA Zip: 22182

Execution Date: March 4, 2011

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

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

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

See Schedule A

B. Patent No.(s)

See Schedule A

Additional numbers attached?  Yes  No

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

Name: \_\_\_\_\_

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

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

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

6. Total number of applications and patents involved: 20

7. Total fee (37 CFR 3.41).....\$ \_\_\_\_\_

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number: \_\_\_\_\_

(Attach duplicate copy of this page if paying by deposit account)

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9. 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.

Laura A. Croston  
Name of Person Signing

[Signature]  
Signature

3/3/11  
Date

Total number of pages including cover sheet, attachments, and documents: 20

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

RELEASE OF SECURITY INTEREST IN PATENTS

WHEREAS, **MOBILEACCESS NETWORKS, INC.**, a Delaware corporation with offices located at 8391 Old Courthouse Road, Suite 300, Vienna, Virginia 22182 ("**Grantor**"), granted a security interest in and lien upon certain patents and related rights to **SILICON VALLEY BANK**, a California corporation, with its principal place of business at 3003 Tasman Drive, Santa Clara, California 95054 and with a loan production office located at 275 Grove Street, Suite 2-200, Newton, Massachusetts 02466 ("**Secured Party**"), as set forth in a certain Amended and Restated Intellectual Property Security Agreement, dated December 30, 2009, by Grantor in favor of Secured Party (the "**Security Agreement**");

WHEREAS, an executed copy of the Security Agreement was recorded in the United States Patent and Trademark Office on March 11, 2010 at Reel 024066 Frame 0387;

WHEREAS, Grantor has requested that Secured Party release and reassign its interest in the patents more fully identified in Schedule A annexed hereto and made a part hereof; and

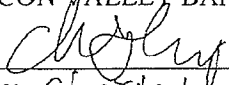
NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, Secured Party hereby:

1. releases and reassigns to Grantor any and all liens, security interests, right, title and interest of Secured Party pursuant to the Security Agreement in the patents more fully identified in Schedule A, without recourse or representation or warranty, express or implied, of any kind;
2. agrees that any power of attorney or similar rights granted by Grantor to Secured Party pursuant to or in connection with the Security Agreement is terminated; and
3. authorizes and requests that the United States Patent and Trademark Office note and record the existence of the release hereby given.

[remainder of page intentionally left blank]

IN WITNESS WHEREOF, Grantor has caused this Release of Security Interest in Patents to be executed as of March 1, 2011.

SILICON VALLEY BANK

By: 

Name: Christopher Lewy

Title: VP



**UNITED STATES PATENT AND TRADEMARK OFFICE**

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE



MARCH 12, 2010

PTAS

\*501117041\*

CHRISTOPHER E. KONDRACKI  
1501 WILSON BOULEVARD  
SUITE 510  
ARLINGTON, VA 22209

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 03/11/2010

REEL/FRAME: 024066/0387  
NUMBER OF PAGES: 14

BRIEF: SECURITY AGREEMENT  
DOCKET NUMBER: 1003802

ASSIGNOR:

MOBILEACCESS NETWORKS, INC.

DOC DATE: 12/30/2009

ASSIGNEE:

SILICON VALLEY BANK  
ONE NEWTON EXECUTIVE PARK  
2221 WASHINGTON STREET, SUITE 200  
NEWTON, MASSACHUSETTS 02462

SERIAL NUMBER: 12227123

FILING DATE: 02/25/2009

PATENT NUMBER:

ISSUE DATE:

TITLE: TRANSMISSION OF INFORMATION TO A GPS DEVICE

SERIAL NUMBER: 11958062

FILING DATE: 12/17/2007

PATENT NUMBER:

ISSUE DATE:

TITLE: DISTRIBUTED ANTENNA SYSTEM FOR MIMO TECHNOLOGIES

024066/0387 PAGE 2

SERIAL NUMBER: 12016459 FILING DATE: 01/18/2008  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD AND SYSTEM FOR EQUALIZING CABLE LOSSES IN A DISTRIBUTED  
ANTENNA SYSTEM

SERIAL NUMBER: 12016477 FILING DATE: 01/18/2008  
PATENT NUMBER: ISSUE DATE:  
TITLE: HYBRID PASSIVE ACTIVE BROADBAND ANTENNA FOR A DISTRIBUTED ANTENNA  
SYSTEM

SERIAL NUMBER: 12028201 FILING DATE: 02/08/2008  
PATENT NUMBER: ISSUE DATE:  
TITLE: TRANSMISSION OF INFORMATION TO A SYSTEM UTILIZING A GPS DEVICE

SERIAL NUMBER: 12033226 FILING DATE: 02/19/2008  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD AND SYSTEM FOR IMPROVING UPLINK PERFORMANCE

SERIAL NUMBER: 12033252 FILING DATE: 02/19/2008  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD AND SYSTEM FOR IMPROVING UPLINK PERFORMANCE

SERIAL NUMBER: 12465288 FILING DATE: 05/13/2009  
PATENT NUMBER: ISSUE DATE:  
TITLE: MULTIPLE DATA SERVICES OVER A DISTRIBUTED ANTENNA SYSTEM

SERIAL NUMBER: 12488559 FILING DATE: 06/20/2009  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD AND SYSTEM FOR REAL TIME CONTROL OF AN ACTIVE ANTENNA OVER A  
DISTRIBUTED ANTENNA SYSTEM

SERIAL NUMBER: 12511199 FILING DATE: 07/29/2009  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD AND SYSTEM FOR COUPLING MULTIMODE OPTICAL FIBER TO AN  
OPTICAL DETECTOR

SERIAL NUMBER: 12028842 FILING DATE: 02/11/2008  
PATENT NUMBER: ISSUE DATE:  
TITLE: INDOOR LOCATION DETERMINATION

SERIAL NUMBER: 12359321 FILING DATE: 01/25/2009  
PATENT NUMBER: ISSUE DATE:  
TITLE: MIMO-ADAPTED DISTRIBUTED ANTENNA SYSTEM

SERIAL NUMBER: 61150764 FILING DATE: 02/08/2009  
PATENT NUMBER: ISSUE DATE:  
TITLE: COMMUNICATION SYSTEM USING CABLES CARRYING ETHERNET SIGNALS

SERIAL NUMBER: 11558913 FILING DATE: 11/12/2006  
PATENT NUMBER: ISSUE DATE:  
TITLE: MULTI BAND INDOOR ANTENNA

024066/0387 PAGE 3

SERIAL NUMBER: 11828363 FILING DATE: 07/26/2007  
PATENT NUMBER: ISSUE DATE:  
TITLE: FREQUENCY SOURCE SYNCHRONIZATION AND REDUNDANCY

SERIAL NUMBER: 08886695 FILING DATE: 07/01/1997  
PATENT NUMBER: 5969837 ISSUE DATE: 10/19/1999  
TITLE: COMMUNICATIONS SYSTEM

SERIAL NUMBER: 12026557 FILING DATE: 02/06/2008  
PATENT NUMBER: 7483504 ISSUE DATE: 01/27/2009  
TITLE: MIMO-ADAPTED DISTRIBUTED ANTENNA SYSTEM

SERIAL NUMBER: FILING DATE: 02/19/2008  
PATENT NUMBER: ISSUE DATE:  
PCT NUMBER: US0802225  
TITLE: METHOD AND SYSTEM FOR IMPROVING UPLINK PERFORMANCE

SERIAL NUMBER: FILING DATE: 06/22/2009  
PATENT NUMBER: ISSUE DATE:  
PCT NUMBER: US0948155  
TITLE: METHOD AND SYSTEM FOR REAL TIME CONTROL OF AN ACTIVE ANTENNA OVER A  
DISTRIBUTED ANTENNA SYSTEM

SERIAL NUMBER: FILING DATE: 07/29/2009  
PATENT NUMBER: ISSUE DATE:  
PCT NUMBER: US0952075  
TITLE: METHOD AND SYSTEM FOR COUPLING MULTIMODE OPTICAL FIBER TO AN  
OPTICAL DETECTOR

ALLYSON PURNELL, EXAMINER  
ASSIGNMENT SERVICES BRANCH  
PUBLIC RECORDS DIVISION

PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

03/11/2010  
 501117041

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY AGREEMENT

CONVEYING PARTY DATA

Name	Execution Date
MobileAccess Networks, Inc.	12/30/2009

RECEIVING PARTY DATA

Name:	Silicon Valley Bank
Street Address:	One Newton Executive Park
Internal Address:	2221 Washington Street, Suite 200
City:	Newton
State/Country:	MASSACHUSETTS
Postal Code:	02462

PROPERTY NUMBERS Total: 20

Property Type	Number
Application Number:	12227123
Application Number:	11958082
Application Number:	12018459
Application Number:	12018477
Application Number:	12028201
Application Number:	12033226
Application Number:	12033252
Application Number:	12465288
Application Number:	12488559
Application Number:	12511199
Application Number:	12028842
Application Number:	12359321
Application Number:	81150784
PCT Number:	US0802226

CH \$800.00 12227123

PCT Number:	US0948155
PCT Number:	US0952075
Patent Number:	5969837
Patent Number:	7483504
Application Number:	11558913
Application Number:	11828363

**CORRESPONDENCE DATA**

Fax Number: (703)415-1557  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*

Phone: 703-415-1555  
Email: mail@specializedpatanL.com  
Correspondent Name: Christopher E. Kondracki  
Address Line 1: 1501 Wilson Boulevard  
Address Line 2: Suite 510  
Address Line 4: Arlington, VIRGINIA 22209

ATTORNEY DOCKET NUMBER:	1003802
NAME OF SUBMITTER:	Christopher E. Kondracki

Total Attachments: 12  
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## AMENDED AND RESTATED INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Amended and Restated Intellectual Property Security Agreement (this "IP Agreement") is entered into as of the Effective Date by and between SILICON VALLEY BANK ("Bank") and MOBILEACCESS NETWORKS, INC. ("Grantor") is entered into as of December 30, 2009.

### RECITALS

A. Bank has agreed to make certain advances of money and to extend certain financial accommodation to Grantor (the "Loans") in the amounts and manner set forth in that certain Third Amended and Restated Loan and Security Agreement by and between Bank and Grantor dated as of the date hereof (as the same may be amended, modified or supplemented from time to time, the "Loan Agreement"; capitalized terms used herein are used as defined in the Loan Agreement). Bank is willing to make the Loans to Grantor, but only upon the condition, among others, that Grantor shall grant to Bank a security interest in certain Copyrights, Trademarks, Patents, and Mask Works (as each term is described below) to secure the obligations of Grantor under the Loan Agreement.

B. Pursuant to the terms of the Loan Agreement, Grantor has granted to Bank a security interest in all of Grantor's right, title and interest, whether presently existing or hereafter acquired, in, to and under all of the Collateral.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, and intending to be legally bound, as collateral security for the prompt and complete payment when due of its obligations under the Loan Agreement, Grantor hereby represents, warrants, covenants and agrees as follows:

### AGREEMENT

To secure its obligations under the Loan Agreement, Grantor grants and pledges to Bank a security interest in all of Grantor's right, title and interest in, to and under its intellectual property (all of which shall collectively be called the "Intellectual Property Collateral"), including, without limitation, the following:

1. Any and all copyright rights, copyright applications, copyright registrations and like protections in each work or authorship and derivative work thereof, whether published or unpublished and whether or not the same also constitutes a trade secret, now or hereafter existing, created, acquired or held, including without limitation those set forth on Exhibit A attached hereto (collectively, the "Copyrights");
2. Any and all trade secrets, and any and all intellectual property rights in computer software and computer software products now or hereafter existing, created, acquired or held;
3. Any and all design rights that may be available to Grantor now or hereafter existing, created, acquired or held;

4. All patents, patent applications and like protections including, without limitation, improvements, divisions, continuations, renewals, reissues, extensions and continuations-in-part of the same, including without limitation the patents and patent applications set forth on Exhibit B attached hereto (collectively, the "Patents");

5. Any trademark and servicemark rights, whether registered or not, applications to register and registrations of the same and like protections, and the entire goodwill of the business of Grantor connected with and symbolized by such trademarks, including without limitation those set forth on Exhibit C attached hereto (collectively, the "Trademarks");

6. All mask works or similar rights available for the protection of semiconductor chips, now owned or hereafter acquired, including, without limitation those set forth on Exhibit D attached hereto (collectively, the "Mask Works");

7. Any and all claims for damages by way of past, present and future infringements of any of the rights included above, with the right, but not the obligation, to sue for and collect such damages for said use or infringement of the intellectual property rights identified above;

8. All licenses or other rights to use any of the Copyrights, Patents, Trademarks, or Mask Works and all license fees and royalties arising from such use to the extent permitted by such license or rights;

9. All amendments, extensions, renewals and extensions of any of the Copyrights, Trademarks, Patents, or Mask Works; and

10. All proceeds and products of the foregoing, including without limitation all payments under insurance or any indemnity or warranty payable in respect of any of the foregoing.

This security interest is granted in conjunction with the security interest granted to Bank under the Loan Agreement. The rights and remedies of Bank with respect to the security interest granted hereby are in addition to those set forth in the Loan Agreement and the other Loan Documents, and those which are now or hereafter available to Bank as a matter of law or equity. Each right, power and remedy of Bank provided for herein or in the Loan Agreement or any of the Loan Documents, or now or hereafter existing at law or in equity shall be cumulative and concurrent and shall be in addition to every right, power or remedy provided for herein and the exercise by Bank of any one or more of the rights, powers or remedies provided for in this Intellectual Property Security Agreement, the Loan Agreement or any of the other Loan Documents, or now or hereafter existing at law or in equity, shall not preclude the simultaneous or later exercise by any person, including Bank, of any or all other rights, powers or remedies.

[Signature page follows.]

IN WITNESS WHEREOF, the parties have caused this IP Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

GRANTOR:

Address of Grantor:

MOBILEACCESS NETWORKS, INC.

MobileAccess Networks, Inc.  
8391 Old Courthouse Road, Suite 300  
Vienna, Virginia 22182  
Attn: Michael Southworth  
Fax: (703) 848-0280  
Email:

By: *Michael Southworth*  
Name: Michael Southworth  
Title: CFO

BANK:

Address of Bank:

SILICON VALLEY BANK

Silicon Valley Bank  
One Newton Executive Park, Suite 200  
2221 Washington Street  
Newton, Massachusetts 02462  
Attn: Mr. Ryan Ravenscroft  
Fax: (617) 527-0177  
Email: rrvenscroft@svb.com

By: *[Signature]*  
Name: Ryan Ravenscroft  
Title: VP

[Signature Page to Amended and Restated Intellectual Property Security Agreement]

EXHIBIT A

Copyrights

Description

Registration/  
Application  
Number

Registration/  
Application  
Date

SEE ATTACHMENT I

EXHIBIT B

Patents

Description

Registration/  
Application  
Number

Registration/  
Application  
Date

SEE ATTACHMENT I

EXHIBIT C

Trademarks

Description

Registration/  
Application  
Number

Registration/  
Application  
Date

SEE ATTACHMENT I

EXHIBIT D

Mask Works

Description

Registration/  
Application  
Number


Registration/  
Application  
Date

SEE ATTACHMENT I

1183194.1

ATTACHMENT I

Trademarks and Service Marks (including applications):

<u>Mark</u>	<u>Serial No. / Registration No.</u>
LITENNA	2,357,551
MOBILEACCESS NETWORKS	76/559,481 76/559,479
MOBILEACCESS NETWORKS (& Design) 	76/559,478 76/559,480
MODU LITE (& Design)	2,674,288
RFIBER	2,440,147
WIRE IT ONCE	78/206,318
UNWIRING THE WORKPLACE	76/564,959 76/564,960



ATTACHMENT I

MobileAccess Originated Patents

File No.	Inventor	Country	Title	Inventor	Grant Date	Grant No.	Description	Link
	Stanford Cobb	US	Communication System	Farber	12/10/99	5959637	This invention discloses a wireless communication station including a base unit including a communications interface for	<a href="http://pat.uspto.gov/naisce/ndb">http://pat.uspto.gov/naisce/ndb</a>
	Stanford Cobb	Israel	Communication System			119832	This invention discloses a wireless communication station including a base unit including a communications interface for	
2161/16	Mar Friedman	US	MIMO-adapted distributed antenna system	Shapiro	27/1/09	7482904	Method and system for carrying multiple signals required for MIMO communication using a single coaxial cable between two	
2602/11	Mar Friedman	US	Multi Band Indoor Antenna	Seben	2/2/09	2007-0109188 (Allowed)	A multi-band indoor antenna includes a low band section with four modified spiral (MSE) elements, a high band section with a bent	
<b>Licensed IP</b>								
File No.	Inventor	Country	Title	Inventor	Grant Date	Grant No.	Description	Link
054065-201004	Hilon Peabody	Europe	System and Method for Carrying A Wireless Based Signal Over A Wiring	Hazon	12/2/09	1748299	A device, network and method wherein a standard wireless modem is coupled to wiring for carrying a wireless based signal over	
054065-201030	Hilon Peabody	France	System and Method for Carrying A Wireless Based Signal Over A Wiring	Hazon	12/2/09	1749395	A device, network and method wherein a standard wireless modem is coupled to wiring for carrying a wireless based signal over	
054065-201023	Hilon Peabody	Germany	System and Method for Carrying A Wireless Based Signal Over A Wiring	Hazon	12/2/09	802005613373	A device, network and method wherein a standard wireless modem is coupled to wiring for carrying a wireless based signal over	
054065-201031	Hilon Peabody	United Kingdom	System and Method for Carrying A Wireless Based Signal Over A Wiring	Hazon	12/2/09	1749299	A device, network and method wherein a standard wireless modem is coupled to wiring for carrying a wireless based signal over	
054065-202100	Hilon Peabody	US	An Apparatus and Method for Frequency Shifting of a Wireless Signal and Systems Using Frequency	Bloder	6/8/09	7,587,001	Systems, methods and apparatus for improving the coverage of a wireless network based on frequency shifting wherein a	

ATTACHMENT I

MobileAccess Patents Status Report - Active Applications

Patent No.	Country	Title	App No.	App Date	Pub No.	Pub Date	Inventor	Attorney	Status	Notes
054065-104000	US	TRANSMISSION OF INFORMATION TO A		Filed	3/9/2007	12/227,113	Oren		The invention is directed to a method and system for providing	
054065-105000	US	Distributed Antenna System for MIMO	Utility	12/17/2007	11/954,062		Oren		The invention is directed to a method and system for supporting	Pub: 20080212305
054065-106000	US	Method and System for Equilibrating Cable	Utility	1/18/2008	12/916,458		Oren		The invention is directed to a method and system for equilibrating	Info/Doc/Inbox on Patent/Spec/PTO/2AS
054065-106100	US	Hybrid Passive Active Broadband Antenna	Utility	1/13/2008	12/916,477		Oren		The invention is directed to a method and system for equilibrating	Info/Doc/Inbox on Patent/Spec/PTO/2AS
054065-107000	US	TRANSMISSION OF INFORMATION TO A	Utility	2/8/2008	12/928,301		Oren		A system for transmitting non-GPS information for reception by a	20080184647
054065-109000	US	Method and System for Improving Uplink	Utility	2/19/2008	12/931,226		Oren		The present invention is directed to improvements for distributed	
054065-109100	US	Method and System for Improving Uplink	Utility	2/19/2008	12/931,252		Oren		The present invention is directed to improvements for distributed	Pub: 20080200117
054065-109101	PCT	Method and System for Improving Uplink	PCT	2/19/2008	US2008/002215		Oren		The present invention is directed to improvements for distributed	
054065-113000	US	Multiple Data Services over a DAS	Utility	5/13/2009	12/465,288		Saban		The invention is directed to a method and system for supporting	
054065-113001	PCT	Multiple Data Services over a DAS	PCT	5/13/2009	183009/005161		Saban		The invention is directed to a method and system for supporting	
054065-114000	US	Method and System for Real Time Control	Utility	6/20/2009	12/488,559		Saban		The invention is directed to a method and system for supporting	
054065-114001	PCT	Method and System for Real Time Control	PCT/Filed?	6/22/2009	US2009/048155		Saban		The invention is directed to a method and system for supporting	
054065-116000	US	METHOD AND SYSTEM FOR	Utility	7/29/2009	12/511,199		Shapiro		According to an aspect of the present invention, there is	
054065-116001	PCT	METHOD AND SYSTEM FOR	PCT/Filed	7/29/2009	US2009/052075		Shapiro		According to an aspect of the present invention, there is	
054065-118118	US	Method and System for Integrating an	Provisional	12/15/2008			Saban, Shapiro		The invention is directed to a method and system for	
2602/10	US	Multi Band Indoor Antenna	Application	11/12/2006	20070109158 (60/925,067)		Saban		A wide band indoor antenna includes a low band section with	Allowed
2602/12	PCT	Multi Band Indoor Antenna	Application	11/14/2006	1164/001303		Saban		A wide band indoor antenna includes a low band section with	11/558913
2602/14	US	Frequency Source Synchronization and	Application	1/19/2008	20090019669		Saban		A system and method for ensuring proper synchronization of a	11/828363
2602/17	PCT	MIMO-adapted distributed antenna	Application	2/5/2008	1168/000188		Shapiro		he same frequency are frequency-separated at a first endpoint of the network. The frequ	
2602/18	US	Indoor location determination	Application	2/11/2008	12/928,842		Shapiro		The invention relates generally to location identification and more	
2602/19	PCT	Indoor location determination	Application	2/12/2008	1188/000183		Shapiro		The invention relates generally to location identification and more	
2602/21	PCT	Communication System Using Low	Application	10/32/2008	1806/004847		Shapiro		Relates to a system for improving the coverage of a wireless network	
2602/22	PCT	Enhancing Outdoor location Based	Application	12/23/2008	1808/005478		Shapiro		The invention relates to the use of BT or WiFi transmitters for	
2602/23	US	MIMO-adapted distributed antenna	Continuation of	1/29/2009	12/858,321		Shapiro		Continuation to 7483507, Method and systems for carrying different	
2602/24	PCT	Communication System using dual	Provisional	2/8/2009	61/150/764		Shapiro		Relates to a system for improving the coverage of a wireless network	

**MobileAccess Patents Status Report - License**

**Case 20: System and Method for Carrying A Wireless Based Signal Over A Wire**

Patent No.	Inventor	Title	Pub. No.	Pub. Date	Status	Class	App. No.	App. Date	App. Status	App. Description	Remarks	Priority	
05405-00000	Intel	System and Method for Carrying A Wireless Based Signal Over A Wire	6/2/2004	21869	Filed	Neutral			Withdrawn	Response to Office Action due 12-May-2004	A device, network and method		
05405-00003	US	System and Method for Carrying A Wireless Based Signal Over A Wire	2/29/2005	21306442	Filed	Neutral			Application	Granted	Response to a pending OA. Amended by ISA	A device, network and method	USPTO
05405-00010	US	System and Method for Carrying A Wireless Based Signal Over A Wire	4/26/2005	22281379	Filed	Neutral			Continuation	ISA	Filed With ISA Claim Published 13-Feb-2005	A device, network and method	
05405-00001	PCT	System and Method for Carrying A Wireless Based Signal Over A Wire	1/21/2005	1305100011	Withdrawn	Neutral			Application	Granted	Published 17-Nov-2005 as	A device, network and method	
05405-00004	Norcia	System and Method for Carrying A Wireless Based Signal Over A Wire	1/21/2005	20631544	Withdrawn	Neutral		1/18/2005	Application	Granted	Allowed - Home country 21-Jul-2005	A device, network and method	
05405-00006	France	System and Method for Carrying A Wireless Based Signal Over A Wire	1/21/2005		Granted	Neutral		1/18/2005	Application	Granted	Allowed - Home country 21-Jul-2005	A device, network and method	
05405-00002	Germany	System and Method for Carrying A Wireless Based Signal Over A Wire	1/21/2005		Granted	Neutral		1/18/2005	Application	Granted	Allowed - Home country 13-Jul-2005	A device, network and method	
05405-00005	US/UK/Japan	System and Method for Carrying A Wireless Based Signal Over A Wire	1/21/2005		Granted	Neutral		1/18/2005	Application	Granted	Allowed - Home country 11-Jul-2005	A device, network and method	
05405-00004	Japan - CN	System and Method for Carrying A Wireless Based Signal Over A Wire	12/4/2004	3023361	Filed	Neutral			Withdrawn	Granted	A request for examination to be filed 13-Feb-2005	A device, network and method	
05405-00003	China	System and Method for Carrying A Wireless Based Signal Over A Wire	1/21/2005	1348723	Filed	Neutral			Application	Withdrawn	Response to Office Action due 12-May-2004	A device, network and method	
05405-00017	China	System and Method for Carrying A Wireless Based Signal Over A Wire	1/21/2005	20050014601.5	Filed	Neutral			Application	Withdrawn	Response to Office Action due 12-May-2004	A device, network and method	
05405-00012	Japan	System and Method for Carrying A Wireless Based Signal Over A Wire	1/21/2005	2005-02299	Filed	Neutral			Application	Withdrawn	Response to Office Action due 12-May-2004	A device, network and method	
05405-00014	China	System and Method for Carrying A Wireless Based Signal Over A Wire	1/21/2005	20-2005-025329	Filed	Neutral			Application	Withdrawn	Response to Office Action due 12-May-2004	A device, network and method	

**Case 22: An apparatus and method for frequency shifting of a wireless signal and systems using frequency shifting**

Patent No.	Inventor	Title	Pub. No.	Pub. Date	Status	Class	App. No.	App. Date	App. Status	App. Description	Remarks	Priority	
05405-00000	US	An apparatus and method for frequency shifting of a wireless signal and systems using frequency shifting	1/21/2005	21306378	Filed	Neutral			Application	Withdrawn	Response to Office Action due 12-May-2004 (in a response to CN)	System, methods and apparatus for frequency shifting	USPTO
05405-00010	US	An apparatus and method for frequency shifting of a wireless signal and systems using frequency shifting	2/22/2005	21306435	Filed	Neutral		9/8/2005	Continuation	Granted	Granted May 2, 2005 after amendment by ISA 11/17/05/ISA	System, methods and apparatus for frequency shifting	
05405-00001	PCT	An apparatus and method for frequency shifting of a wireless signal and systems using frequency shifting	1/21/2005	1300700000	Filed	Neutral			Application	Granted	Published 19-Jul-2005 as WO/2005/08002 Method phase	System, methods and apparatus for frequency shifting	
05405-00004	Durata	Shifting of a wireless signal and systems using frequency shifting	1/21/2005	77000417	Filed	Neutral			Application	Withdrawn	Response to Office Action due 12-May-2004	System, methods and apparatus for frequency shifting	
05405-00017	China	An apparatus and method for frequency shifting of a wireless signal and systems using frequency shifting	1/21/2005	2005000421.3	Filed	Neutral			Application	Withdrawn	Published 17-Apr-2005 as CN 100401343A	System, methods and apparatus for frequency shifting	
05405-00017	India	An apparatus and method for frequency shifting of a wireless signal and systems using frequency shifting	1/21/2005	200504	Filed	Neutral			Application	Withdrawn	Filed, pending examination prior to publication	System, methods and apparatus for frequency shifting	
05405-00000	India	An apparatus and method for frequency shifting of a wireless signal and systems using frequency shifting	1/21/2005	2005042800/2005	Filed	Neutral			Application	Withdrawn	Published 19-Dec-2005 as WO/2005/08002	System, methods and apparatus for frequency shifting	
05405-00004	India	Shifting of a wireless signal and systems using frequency shifting	1/21/2005	20-2005-025324	Filed	Neutral			Application	Withdrawn	Response to Office Action due 12-May-2004	System, methods and apparatus for frequency shifting	

ATTACHMENT I

<u>Domain Name / TLD</u>	<u>Exp Date</u>
mobileaccess.com	2/20/2013
foxcomwireless.com	7/6/2012

All Domain names are housed at Enom - IT Director manages renewal



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE



MARCH 12, 2010

\*501117041A\*

PTAS

CHRISTOPHER E. KONDRACKI  
1501 WILSON BOULEVARD  
SUITE 510  
ARLINGTON, VA 22209

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 03/11/2010

REEL/FRAME: 024066/0387  
NUMBER OF PAGES: 14

BRIEF: SECURITY AGREEMENT  
DOCKET NUMBER: 1003802

ASSIGNOR:  
MOBILEACCESS NETWORKS, INC.

DOC DATE: 12/30/2009

ASSIGNEE:  
SILICON VALLEY BANK  
ONE NEWTON EXECUTIVE PARK  
2221 WASHINGTON STREET, SUITE 200  
NEWTON, MASSACHUSETTS 02462

SERIAL NUMBER: 12227123

FILING DATE: 02/25/2009

PATENT NUMBER:

ISSUE DATE:

TITLE: TRANSMISSION OF INFORMATION TO A GPS DEVICE

SERIAL NUMBER: 11958062

FILING DATE: 12/17/2007

PATENT NUMBER:

ISSUE DATE:

TITLE: DISTRIBUTED ANTENNA SYSTEM FOR MIMO TECHNOLOGIES

024066/0387 PAGE 2

SERIAL NUMBER: 12016459 FILING DATE: 01/18/2008  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD AND SYSTEM FOR EQUALIZING CABLE LOSSES IN A DISTRIBUTED  
ANTENNA SYSTEM

SERIAL NUMBER: 12016477 FILING DATE: 01/18/2008  
PATENT NUMBER: ISSUE DATE:  
TITLE: HYBRID PASSIVE ACTIVE BROADBAND ANTENNA FOR A DISTRIBUTED ANTENNA  
SYSTEM

SERIAL NUMBER: 12028201 FILING DATE: 02/08/2008  
PATENT NUMBER: ISSUE DATE:  
TITLE: TRANSMISSION OF INFORMATION TO A SYSTEM UTILIZING A GPS DEVICE

SERIAL NUMBER: 12033226 FILING DATE: 02/19/2008  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD AND SYSTEM FOR IMPROVING UPLINK PERFORMANCE

SERIAL NUMBER: 12033252 FILING DATE: 02/19/2008  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD AND SYSTEM FOR IMPROVING UPLINK PERFORMANCE

SERIAL NUMBER: 12465288 FILING DATE: 05/13/2009  
PATENT NUMBER: ISSUE DATE:  
TITLE: MULTIPLE DATA SERVICES OVER A DISTRIBUTED ANTENNA SYSTEM

SERIAL NUMBER: 12488559 FILING DATE: 06/20/2009  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD AND SYSTEM FOR REAL TIME CONTROL OF AN ACTIVE ANTENNA OVER A  
DISTRIBUTED ANTENNA SYSTEM

SERIAL NUMBER: 12511199 FILING DATE: 07/29/2009  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD AND SYSTEM FOR COUPLING MULTIMODE OPTICAL FIBER TO AN  
OPTICAL DETECTOR

SERIAL NUMBER: 12028842 FILING DATE: 02/11/2008  
PATENT NUMBER: ISSUE DATE:  
TITLE: INDOOR LOCATION DETERMINATION

SERIAL NUMBER: 12359321 FILING DATE: 01/25/2009  
PATENT NUMBER: ISSUE DATE:  
TITLE: MIMO-ADAPTED DISTRIBUTED ANTENNA SYSTEM

SERIAL NUMBER: 61150764 FILING DATE: 02/08/2009  
PATENT NUMBER: ISSUE DATE:  
TITLE: COMMUNICATION SYSTEM USING CABLES CARRYING ETHERNET SIGNALS

SERIAL NUMBER: 11558913 FILING DATE: 11/12/2006  
PATENT NUMBER: ISSUE DATE:  
TITLE: MULTI BAND INDOOR ANTENNA

024066/0387 PAGE 3

SERIAL NUMBER: 11828363 FILING DATE: 07/26/2007  
PATENT NUMBER: ISSUE DATE:  
TITLE: FREQUENCY SOURCE SYNCHRONIZATION AND REDUNDANCY

SERIAL NUMBER: 08886695 FILING DATE: 07/01/1997  
PATENT NUMBER: 5969837 ISSUE DATE: 10/19/1999  
TITLE: COMMUNICATIONS SYSTEM

SERIAL NUMBER: 12026557 FILING DATE: 02/06/2008  
PATENT NUMBER: 7483504 ISSUE DATE: 01/27/2009  
TITLE: MIMO-ADAPTED DISTRIBUTED ANTENNA SYSTEM

SERIAL NUMBER: FILING DATE: 02/19/2008  
PATENT NUMBER: ISSUE DATE:  
PCT NUMBER: US0802225  
TITLE: METHOD AND SYSTEM FOR IMPROVING UPLINK PERFORMANCE

SERIAL NUMBER: FILING DATE: 06/22/2009  
PATENT NUMBER: ISSUE DATE:  
PCT NUMBER: US0948155  
TITLE: METHOD AND SYSTEM FOR REAL TIME CONTROL OF AN ACTIVE ANTENNA OVER A  
DISTRIBUTED ANTENNA SYSTEM

SERIAL NUMBER: FILING DATE: 07/29/2009  
PATENT NUMBER: ISSUE DATE:  
PCT NUMBER: US0952075  
TITLE: METHOD AND SYSTEM FOR COUPLING MULTIMODE OPTICAL FIBER TO AN  
OPTICAL DETECTOR

ALLYSON PURNELL, EXAMINER  
ASSIGNMENT SERVICES BRANCH  
PUBLIC RECORDS DIVISION