

# PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

| SUBMISSION TYPE:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NEW ASSIGNMENT               |               |                |                 |                              |                     |            |                     |            |              |           |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------|----------------|-----------------|------------------------------|---------------------|------------|---------------------|------------|--------------|-----------|---------------------|----------|---------------------|----------|---------------------|----------|---------------------|----------|---------------------|----------|---------------------|----------|---------------------|----------|---------------------|----------|---------------------|----------|---------------------|----------|
| NATURE OF CONVEYANCE:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ASSIGNMENT                   |               |                |                 |                              |                     |            |                     |            |              |           |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                              |               |                |                 |                              |                     |            |                     |            |              |           |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Steve Shattil</td> <td>12/19/2005</td> </tr> <tr> <td>Arnold Alagar</td> <td>12/19/2005</td> </tr> </tbody> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                              | Name          | Execution Date | Steve Shattil   | 12/19/2005                   | Arnold Alagar       | 12/19/2005 |                     |            |              |           |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |
| Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Execution Date               |               |                |                 |                              |                     |            |                     |            |              |           |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |
| Steve Shattil                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 12/19/2005                   |               |                |                 |                              |                     |            |                     |            |              |           |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |
| Arnold Alagar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 12/19/2005                   |               |                |                 |                              |                     |            |                     |            |              |           |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                              |               |                |                 |                              |                     |            |                     |            |              |           |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Aquity LLC</td> </tr> <tr> <td>Street Address:</td> <td>9710 Scranton Rd., Suite 270</td> </tr> <tr> <td>City:</td> <td>San Diego</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>92121</td> </tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                              | Name:         | Aquity LLC     | Street Address: | 9710 Scranton Rd., Suite 270 | City:               | San Diego  | State/Country:      | CALIFORNIA | Postal Code: | 92121     |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |
| Name:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Aquity LLC                   |               |                |                 |                              |                     |            |                     |            |              |           |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |
| Street Address:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 9710 Scranton Rd., Suite 270 |               |                |                 |                              |                     |            |                     |            |              |           |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |
| City:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | San Diego                    |               |                |                 |                              |                     |            |                     |            |              |           |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |
| State/Country:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | CALIFORNIA                   |               |                |                 |                              |                     |            |                     |            |              |           |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |
| Postal Code:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 92121                        |               |                |                 |                              |                     |            |                     |            |              |           |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |
| <b>PROPERTY NUMBERS Total: 26</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                              |               |                |                 |                              |                     |            |                     |            |              |           |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr><td>PCT Number:</td><td>US9408247</td></tr> <tr><td>Application Number:</td><td>09347182</td></tr> <tr><td>Application Number:</td><td>10078774</td></tr> <tr><td>PCT Number:</td><td>US0018113</td></tr> <tr><td>Application Number:</td><td>09718851</td></tr> <tr><td>Application Number:</td><td>09381588</td></tr> <tr><td>Application Number:</td><td>60163141</td></tr> <tr><td>Application Number:</td><td>09703202</td></tr> <tr><td>Application Number:</td><td>60194633</td></tr> <tr><td>Application Number:</td><td>09824264</td></tr> <tr><td>Application Number:</td><td>60219482</td></tr> <tr><td>Application Number:</td><td>10770202</td></tr> <tr><td>Application Number:</td><td>60259433</td></tr> <tr><td>Application Number:</td><td>10034386</td></tr> </tbody> </table> |                              | Property Type | Number         | PCT Number:     | US9408247                    | Application Number: | 09347182   | Application Number: | 10078774   | PCT Number:  | US0018113 | Application Number: | 09718851 | Application Number: | 09381588 | Application Number: | 60163141 | Application Number: | 09703202 | Application Number: | 60194633 | Application Number: | 09824264 | Application Number: | 60219482 | Application Number: | 10770202 | Application Number: | 60259433 | Application Number: | 10034386 |
| Property Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Number                       |               |                |                 |                              |                     |            |                     |            |              |           |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |
| PCT Number:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | US9408247                    |               |                |                 |                              |                     |            |                     |            |              |           |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |
| Application Number:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 09347182                     |               |                |                 |                              |                     |            |                     |            |              |           |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |
| Application Number:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 10078774                     |               |                |                 |                              |                     |            |                     |            |              |           |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |
| PCT Number:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | US0018113                    |               |                |                 |                              |                     |            |                     |            |              |           |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |
| Application Number:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 09718851                     |               |                |                 |                              |                     |            |                     |            |              |           |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |
| Application Number:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 09381588                     |               |                |                 |                              |                     |            |                     |            |              |           |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |
| Application Number:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 60163141                     |               |                |                 |                              |                     |            |                     |            |              |           |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |
| Application Number:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 09703202                     |               |                |                 |                              |                     |            |                     |            |              |           |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |
| Application Number:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 60194633                     |               |                |                 |                              |                     |            |                     |            |              |           |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |
| Application Number:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 09824264                     |               |                |                 |                              |                     |            |                     |            |              |           |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |
| Application Number:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 60219482                     |               |                |                 |                              |                     |            |                     |            |              |           |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |
| Application Number:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 10770202                     |               |                |                 |                              |                     |            |                     |            |              |           |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |
| Application Number:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 60259433                     |               |                |                 |                              |                     |            |                     |            |              |           |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |
| Application Number:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 10034386                     |               |                |                 |                              |                     |            |                     |            |              |           |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |                     |          |

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**PATENT  
 REEL: 018676 FRAME: 0626**

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|---------------------|----------|
| Application Number: | 60286850 |
| Application Number: | 10131163 |
| Application Number: | 60422670 |
| Application Number: | 10697534 |
| Application Number: | 60431877 |
| Application Number: | 60435439 |
| Application Number: | 10730452 |
| Application Number: | 10360346 |
| Application Number: | 10414663 |
| Application Number: | 10446022 |
| Application Number: | 11102152 |
| Application Number: | 11102088 |

#### CORRESPONDENCE DATA

Fax Number: (415)882-0300  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
 Phone: 415.882.5000  
 Email: tfahmi@sonnenschein.com  
 Correspondent Name: Tarek N. Fahmi  
 Address Line 1: P.O. Box 061080  
 Address Line 2: Wacker Drive Station, Sears Tower  
 Address Line 4: Chicago, ILLINOIS 60606-1080

|                         |               |
|-------------------------|---------------|
| ATTORNEY DOCKET NUMBER: | 40007474-1000 |
|-------------------------|---------------|

|                    |                |
|--------------------|----------------|
| NAME OF SUBMITTER: | Tarek N. Fahmi |
|--------------------|----------------|

Total Attachments: 6  
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**PATENT**  
**REEL: 018676 FRAME: 0627**

## U.S. PATENT APPLICATION ASSIGNMENT

This Patent Application Assignment (this "Assignment") is made as of December 19, 2005 by Steve Shartil and Arnold Alagar, each an individual and collectively as joint tenants with right of survivorship ("Assignors"), to Aquity LLC, a Delaware Limited Liability Company ("Assignee").

### RECITALS

A. Assignors are the owners of the patent applications set forth on Exhibit A hereto (the "Patent Applications").

B. Assignors now desire to assign to Assignee all of Assignors' right, title and interest in and to the Patent Applications and Assignee desires to receive said assignment.

### AGREEMENT

NOW, THEREFORE, in consideration of the foregoing premises, the mutual covenants and agreements contained in this Assignment the parties agree as follows:

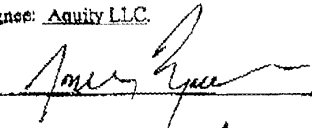
1. For good and valuable consideration, the receipt of which is hereby acknowledged, Assignors do hereby sell, transfer, convey, assign and deliver to Assignee all of Assignors' right, title and interest in and to the Patent Applications and any patents that may issue therefrom, including any foreign counterparts, divisions, continuations, or reissues of such patents, the same to be held by Assignee for Assignee's own use and enjoyment, and for the use and enjoyment of Assignee's successors, assigns and other legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignors if this Assignment and sale had not been made; together with all claims for damages by reason of past infringements of the Patent Applications, along with the right to sue for and collect such damages for the use and benefit of Assignee and its successors, assigns and other legal representatives.

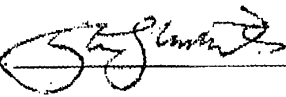
2. Assignors hereby authorize and request the Commissioner of Patents of the United States, and, in the case of any patent applications filed with any office of any country or countries foreign to the United States, any officer of such country whose duty it is to issue patents or other evidence or forms of intellectual property protection or applications as aforesaid, to issue the same to Assignee and its successors, assigns and other legal representatives in accordance with the terms of this instrument.

IN WITNESS WHEREOF, the parties have executed this Assignment on the date first above written.

Assignee: Aquity LLC

Assignor: Steve Shartil

By: 

By: 

Name: JONATHAN MASTERS

Assignor: Arnold Alagar

Title: CFO

By: \_\_\_\_\_

**PATENT**  
**REEL: 018676 FRAME: 0628**

## U.S. PATENT APPLICATION ASSIGNMENT

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### AGREEMENT

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1. For good and valuable consideration, the receipt of which is hereby acknowledged, Assignors do hereby sell, transfer, convey, assign and deliver to Assignee all of Assignors' right, title and interest in and to the Patent Applications and any patents that may issue therefrom, including any foreign counterparts, divisions, continuations, or reissues of such patents, the same to be held by Assignee for Assignee's own use and enjoyment, and for the use and enjoyment of Assignee's successors, assigns and other legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignors if this Assignment and sale had not been made; together with all claims for damages by reason of past infringements of the Patent Applications, along with the right to sue for and collect such damages for the use and benefit of Assignee and its successors, assigns and other legal representatives.

2. Assignors hereby authorize and request the Commissioner of Patents of the United States, and, in the case of any patent applications filed with any office of any country or countries foreign to the United States, any officer of such country whose duty it is to issue patents or other evidence or forms of intellectual property protection or applications as aforesaid, to issue the same to Assignee and its successors, assigns and other legal representatives in accordance with the terms of this instrument.

IN WITNESS WHEREOF, the parties have executed this Assignment on the date first above written.

Assignee: Aquity LLC.

Assignor: Steve Shattil

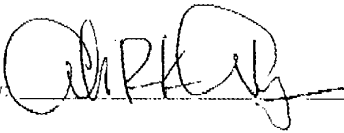
By: \_\_\_\_\_

By: \_\_\_\_\_

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

Assignor: Arnold Alagar

Title: \_\_\_\_\_

By:  \_\_\_\_\_

**PATENT**  
**REEL: 018676 FRAME: 0629**

**EXHIBIT A  
TO U.S. PATENT APPLICATION ASSIGNMENT**

| Title                                                                                                                                            | Filing Date | Application Number | Publication No. | Country   |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------|-----------------|-----------|
| Active Electromagnetic Shielding                                                                                                                 | 22-Jul-94   | PCT/US94/08247     |                 | PCT       |
| Active Electromagnetic Shielding                                                                                                                 | 22-Jul-94   | CA19942165173      | CA2165173       | Canada    |
| Active Electromagnetic Shielding                                                                                                                 | 22-Jul-94   | EP19940922671      | EP0710434       | Europe    |
| Method and Apparatus for Using Frequency Diversity to Spatially Separate Wireless Communication Signals                                          | 22-Jul-99   | 09/347,182         |                 | US        |
| Cancellation Systems for Multicarrier Transceiver Arrays                                                                                         | 19-Feb-02   | 10/078,774         |                 | US        |
| Method and Apparatus for using Frequency Diversity to Separate Wireless Communication Signals                                                    | 30-Jun-00   | PCT/US00/18113     |                 | PCT       |
| Frequency-shifted Feedback Cavity Used as a Phased Array Antenna Controller and Carrier Interference Multiple Access Spread-spectrum Transmitter | 10-Feb-99   | BR19990087892      | BR9907892       | Brazil    |
| Frequency-shifted Feedback Cavity Used as a Phased Array Antenna Controller and Carrier Interference Multiple Access Spread-spectrum Transmitter | 10-Feb-99   | DE19996026343      | DE69926343D     | Germany   |
| Multiple Access Method and System                                                                                                                | 10-Feb-99   | PCT/US99/02838     |                 | PCT       |
| Multiple Access Method and System                                                                                                                | 10-Feb-99   | AU199926681        | AU762,683       | Australia |
| Multiple Access Method and System                                                                                                                | 10-Feb-99   | AU19990026681D     | AU2668199       | Australia |
| Method and Apparatus for Using Frequency Diversity to Separate Wireless Communication Signals                                                    | 30-Jun-00   | AU20000059045D     | AU5904500       | Australia |
| Method and Apparatus for Using Frequency Diversity to Separate Wireless Communication Signals                                                    | 30-Jun-00   | EP20000945050      | EP1198903       | Europe    |
| Frequency-shifted Feedback Cavity Used as a Phased Array Antenna Controller and Carrier Interference Multiple Access Spread-spectrum             | 10-Feb-99   | ID20000001770      | ID25666         | Indonesia |

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**PATENT  
REEL: 018676 FRAME: 0630**

|                                                                                                                                                  |           |                |               |         |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------|---------------|---------|
| Transmitter                                                                                                                                      |           |                |               |         |
| Multiple Access Method and System                                                                                                                | 10-Feb-99 | unknown        | IL137731D     | Israel  |
| Frequency-shifted Feedback Cavity Used as a Phased Array Antenna Controller and Carrier Interference Multiple Access Spread-spectrum Transmitter | 10-Feb-99 | JP20000531927T | JP2002503917T | Japan   |
| Multiple Access Method and System                                                                                                                | 10-Feb-99 | CN19990804952  | CN1296684     | China   |
| Multiple Access Method and System                                                                                                                | 10-Feb-99 | EP19990906864  | EP1033615     | Europe  |
| Multiple Access Method and System                                                                                                                | 10-Feb-99 | CA19992321748  | CA2321748     | Canada  |
| Multiple Access Method and Carrier-Interference Multiple Access Communication System                                                             | 10-Feb-99 | EA20000000827  | EA2914        | Estonia |
| Frequency-shifted Feedback Cavity Used as a Phased Array Antenna Controller and Carrier Interference Multiple Access Spread-spectrum Transmitter | 22-Nov-00 | 09/718,851     |               | US      |
| Multiple Access Method and System                                                                                                                | 20-Sep-99 | 09/381,588     |               | US      |
| Method and Apparatus for Using Multicarrier Interferometry to Enhance Optical Fiber Communications                                               | 02-Nov-99 | 60/163,141     |               | US      |
| Method and Apparatus for Using Multicarrier Interferometry to Enhance Optical Fiber Communications                                               | 31-Oct-00 | 09/703,202     |               | US      |
| Spread spectrum Communication Method and System using Diversity Correlation and Multi-user Detection                                             | 04-Apr-00 | 60/194,633     |               | US      |
| Spread spectrum Communication Method and System using Diversity Correlation and Multi-user Detection                                             | 02-Apr-01 | 09/824264      |               | US      |
| Method and Apparatus for Transmitting and Receiving Signals having a Carrier Interferometry Architecture                                         | 19-Jul-00 | 60/219,482     |               | US      |
| Method and Apparatus for Transmitting and Receiving Signals having a Carrier Interferometry Architecture                                         | 02-Feb-04 | 10/770202      |               | US      |
| Method and Apparatus for Using Carrier Interferometry to Process Multi-Carrier Signals                                                           | 30-Dec-00 | 60/259,433     |               | US      |

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**PATENT**  
**REEL: 018676 FRAME: 0631**

|                                                                                                                                                  |           |                |               |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------|---------------|--------|
| Carrier Interferometry Coding and Multicarrier Processing                                                                                        | 26-Dec-01 | PCT/US01/30856 |               | PCT    |
| Carrier Interferometry Coding and Multicarrier Processing                                                                                        | 26-Dec-01 | CN20010821637  | CN1484877     | China  |
| Carrier Interferometry Coding and Multicarrier Processing                                                                                        | 26-Dec-01 | EP20010991614  | EP1356544     | Europe |
| Carrier Interferometry Coding and Multicarrier Processing                                                                                        | 26-Dec-01 | JP20020354918T | JP2004525547T | Japan  |
| Method and Apparatus for Using Frequency Diversity to Spatially Separate Wireless Communication Signals                                          | 27-Dec-01 | 10/034,386     |               | US     |
| Carrier Interferometry Coding and Multicarrier Processing                                                                                        | 23-May-03 | 60/286,850     |               | US     |
| Multicarrier Sub-Layer for Direct Sequence Channel and Multiple-Access Coding                                                                    | 24-Apr-02 | 10/131,163     |               | US     |
| Carrier Interferometry Coding with Applications to Cellular and Local Area Networks                                                              | 31-Oct-02 | 60/422,670     |               | US     |
| Carrier Interferometry Coding with Applications to Cellular and Local Area Networks                                                              | 30-Oct-03 | 10/697,534     |               | US     |
| Time-Domain Applications of Basis Carrier Interferometry Codes for Spectrum Allocation                                                           | 09-Dec-02 | 60/431,877     |               | US     |
| Software Adaptable High Performance Multicarrier Transmission Protocol                                                                           | 20-Dec-02 | 60/435,439     |               | US     |
| Software Adaptable High Performance Multicarrier Transmission Protocol                                                                           | 08-Dec-03 | 10/730,452     |               | US     |
| Unified Multi-carrier Framework for Multiple-Access Technologies                                                                                 | 7-Feb-03  | 10/360,346     |               | US     |
| Orthogonal Superposition Coding for Direct-Sequence Communications                                                                               | 16-Apr-03 | 10/414,663     |               | US     |
| Carrier Interferometry Coding and Multicarrier Processing                                                                                        | 27-May-03 | 10/446,022     |               | US     |
| Frequency-Shifted Feedback Cavity Used as a Phased Array Antenna Controller and Carrier Interference Multiple Access Spread-Spectrum Transmitter | 07-Apr-05 | 11/102,152     |               | US     |

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**PATENT**  
**REEL: 018676 FRAME: 0632**

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| Cancellation System for Frequency Reuse in<br>Microwave Communications | 07-Apr-05 | 11/102,088 |  | US |
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**RECORDED: 12/26/2006**

**PATENT**  
**REEL: 018676 FRAME: 0633**