

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3895094

|                              |                   |
|------------------------------|-------------------|
| <b>SUBMISSION TYPE:</b>      | NEW ASSIGNMENT    |
| <b>NATURE OF CONVEYANCE:</b> | SECURITY INTEREST |

**CONVEYING PARTY DATA**

| Name           | Execution Date |
|----------------|----------------|
| SKYCROSS, INC. | 06/25/2014     |

**RECEIVING PARTY DATA**

|                        |                                                                         |
|------------------------|-------------------------------------------------------------------------|
| <b>Name:</b>           | HERCULES CAPITAL, INC. (F/K/A HERCULES TECHNOLOGY GROWTH CAPITAL, INC.) |
| <b>Street Address:</b> | 400 HAMILTON AVENUE, SUITE 310                                          |
| <b>City:</b>           | PALO ALTO                                                               |
| <b>State/Country:</b>  | CALIFORNIA                                                              |
| <b>Postal Code:</b>    | 94301                                                                   |

**PROPERTY NUMBERS Total: 34**

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 14560724 |
| Application Number: | 13646012 |
| Application Number: | 14516647 |
| Application Number: | 14471567 |
| Application Number: | 14558269 |
| Application Number: | 14472551 |
| Application Number: | 14574752 |
| Application Number: | 14467915 |
| Application Number: | 14338081 |
| Application Number: | 14307857 |
| Application Number: | 14338090 |
| Application Number: | 14338099 |
| Application Number: | 14449498 |
| Application Number: | 14516862 |
| Application Number: | 14471604 |
| Application Number: | 14491140 |
| Patent Number:      | 8000737  |
| Patent Number:      | D581400  |
| Patent Number:      | D610132  |
| Patent Number:      | D604278  |

| Property Type  | Number  |
|----------------|---------|
| Patent Number: | D604279 |
| Patent Number: | D604280 |
| Patent Number: | D606058 |
| Patent Number: | D562311 |
| Patent Number: | 7869783 |
| Patent Number: | 7667659 |
| Patent Number: | 7616163 |
| Patent Number: | 8018983 |
| Patent Number: | 7663555 |
| Patent Number: | 7834813 |
| Patent Number: | 7489281 |
| Patent Number: | 7193565 |
| Patent Number: | 9318803 |
| Patent Number: | 9190726 |

#### CORRESPONDENCE DATA

**Fax Number:** (201)678-6305

*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.*

**Phone:** 2015256305

**Email:** dgold@coleschotz.com

**Correspondent Name:** DAVID S. GOLD, ESQ.

**Address Line 1:** COLE SCHOTZ P.C., COURT PLAZA NORTH, 25 MAIN ST.

**Address Line 4:** HACKENSACK, NEW JERSEY 07601

|                           |                                                            |
|---------------------------|------------------------------------------------------------|
| <b>NAME OF SUBMITTER:</b> | DAVID S. GOLD                                              |
| <b>SIGNATURE:</b>         | /David S. Gold/                                            |
| <b>DATE SIGNED:</b>       | 05/31/2016                                                 |
|                           | This document serves as an Oath/Declaration (37 CFR 1.63). |

#### Total Attachments: 17

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## INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Intellectual Property Security Agreement is entered into as of June 25, 2014 by and between HERCULES TECHNOLOGY GROWTH CAPITAL, INC., a Maryland corporation (“Agent”), and SKYXCROSS, INC., a Delaware corporation (“Grantor”).

### RECITALS

A. Lender has agreed to make certain advances of money and to extend certain financial accommodation (the “Loans”) to Grantor in the amounts and manner set forth in that certain Loan and Security Agreement by and among the several banks and other financial institutions or entities from time to time parties thereto (collectively, referred to as “Lender”), Agent and Grantor, dated as of June 25, 2014 (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).

B. Lender is willing to make the Loans to Grantor, but only upon the condition, among others, that Grantor shall grant to Agent a security interest in certain Copyrights, Trademarks and Patents to secure the obligations of Grantor under the Loan Agreement.

C. Pursuant to the terms of the Loan Agreement, Grantor has granted to Agent 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 and all other agreements now existing or hereafter arising among Lender, Grantor and Agent, Grantor hereby represents, warrants, covenants and agrees as follows:

### AGREEMENT

To secure its obligations under the Loan Agreement and under any other agreement now existing or hereafter arising among Lender, Agent and Grantor, Grantor grants and pledges to Agent a security interest in all of Grantor’s right, title and interest in, to and under its Intellectual Property Collateral (including without limitation those Copyrights, Patents and Trademarks listed on Exhibits A, B and C hereto), and including without limitation all proceeds thereof (such as, by way of example but not by way of limitation, license royalties and proceeds of infringement suits), the right to sue for past, present and future infringements, all rights corresponding thereto throughout the world and all re-issues, divisions continuations, renewals, extensions and continuations-in-part thereof.

This security interest is granted in conjunction with the security interest granted to Agent under the Loan Agreement. The rights and remedies of Agent 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 Agent as a matter of law or equity. Each right, power and remedy of Agent 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 Agent 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 Agent, of any or all other rights, powers or remedies.

Grantor represents and warrants that Exhibits A, B, and C attached hereto set forth any and all intellectual property rights in connection to which Grantor has registered or filed an application with either the United States Patent and Trademark Office or the United States Copyright Office, as applicable.

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

Address of Grantor:

2025 Gateway Place, Suite 385  
San Jose, CA 95110  
Attention: Warren Weiner

GRANTOR:

SKYCROSS, INC.

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

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

*Warren Weiner*  
*Chief Financial Officer*

Address of Agent:

400 Hamilton Avenue, Suite 310  
Palo Alto, CA 94301  
Attn: Loan Documentation

AGENT:

HERCULES TECHNOLOGY GROWTH CAPITAL, INC.

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

Ben Bang, Senior Counsel

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

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2025 Gateway Place  
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Attention: Warren Weiner

GRANTOR:

SKYCROSS, INC.

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

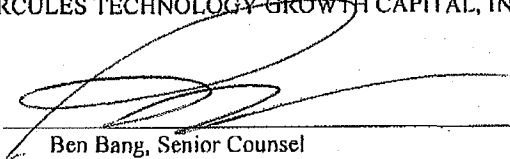
Title: \_\_\_\_\_

Address of Agent:

400 Hamilton Avenue, Suite 310  
Palo Alto, CA 94301  
Attn: Loan Documentation

AGENT:

HERCULES TECHNOLOGY GROWTH CAPITAL, INC.

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

Ben Bang, Senior Counsel

EXHIBIT A

Copyrights

NONE

**EXHIBIT B**

## Patents

| <b>TITLE</b>                                                    | <b>CLIENT OWNERSHIP INTEREST</b> | <b>STATUS</b> | <b>COUNTRY</b>           | <b>SERIAL NUMBER</b> |
|-----------------------------------------------------------------|----------------------------------|---------------|--------------------------|----------------------|
| MULTIMODE ANTENNA STRUCTURE                                     | Owned                            | Allowed       | United States of America | 13974479             |
| MULTIMODE ANTENNA STRUCTURE                                     | Owned                            | Allowed       | China                    | 2008800207279        |
| MULTIMODE ANTENNA STRUCTURE                                     | Owned                            | Allowed       | United States of America | 12727531             |
| A Low Profile Dielectrically Loaded Meanderline Antenna         | Owned                            | Issued        | United States of America | 10160930             |
| An Adaptive Variable Impedance Transmission Line Loaded Antenna | Owned                            | Issued        | United States of America | 10007818             |
| An exterior quadrifilar helical antenna                         | Owned                            | Issued        | Republic of Korea        | 1020060022085        |
| ANTENNA APPARATUS HAVING ELASTIC CONNECTION MODULE              | Owned                            | Issued        | Republic of Korea        | 1020090089435        |
| ANTENNA COUPLER VERIFICATION DEVICE AND METHOD                  | Owned                            | Issued        | United States of America | 06720445             |
| ANTENNA FOR DIGITAL MULTIMEDIA BROADCASTING                     | Owned                            | Issued        | Republic of Korea        | 1020070015900        |
| ANTENNA STRUCTURE                                               | Owned                            | Issued        | United States of America | 29281429             |
| ANTENNA STRUCTURE                                               | Owned                            | Issued        | United States of America | 29281430             |
| ANTENNA STRUCTURE                                               | Owned                            | Issued        | United States of America | 29281432             |
| ANTENNA STRUCTURE                                               | Owned                            | Issued        | United States of America | 29282578             |
| ANTENNA STRUCTURE                                               | Licensed                         | Issued        | United States of America | 29283563             |
| ANTENNA STRUCTURE                                               | Licensed                         | Issued        | Republic of Korea        | 3020080006164        |
| ANTENNA STRUCTURE                                               | Licensed                         | Issued        | Republic of Korea        | 3020080006177        |
| ANTENNA STRUCTURE                                               | Licensed                         | Issued        | United States of America | 29331169             |
| ANTENNA                                                         | Licensed                         | Issued        | United States of         | 29331806             |



| TITLE                                                                                | CLIENT OWNERSHIP INTEREST | STATUS | COUNTRY                  | SERIAL NUMBER |
|--------------------------------------------------------------------------------------|---------------------------|--------|--------------------------|---------------|
| STRUCTURE                                                                            |                           |        | America                  |               |
| ANTENNA STRUCTURE                                                                    | Licensed                  | Issued | United States of America | 29331808      |
| ANTENNA STRUCTURE                                                                    | Licensed                  | Issued | United States of America | 29331810      |
| ANTENNA STRUCTURE                                                                    | Licensed                  | Issued | United States of America | 29332351      |
| ANTENNA STRUCTURE                                                                    | Owned                     | Issued | United States of America | 29332356      |
| ANTENNA STRUCTURE                                                                    | Owned                     | Issued | United States of America | 29333739      |
| ANTENNA STRUCTURE                                                                    | Owned                     | Issued | United States of America | 29350010      |
| Antenna System for Receiving Digital Video Broadcast Signals                         | Licensed                  | Issued | United States of America | 11627371      |
| Apparatus and Method For Forming a Monolithic Surface-Mountable Antenna              | Owned                     | Issued | United States of America | 10645862      |
| Apparatus for Reducing Ground Effects in a Folder-Type Communications Handset Device | Owned                     | Issued | United States of America | 10875850      |
| Apparatus for Reducing Ground Effects in a Folder-Type Communication Handset Device  | Owned                     | Issued | Republic of Korea        | 2003102224    |
| Beamforming Quad Meanderline Loaded Antenna                                          | Owned                     | Issued | United States of America | 10246659      |
| Broadband Adjustable Match Dipole Antenna for Embedded Applications                  | Owned                     | Issued | United States of America | 29232133      |
| Broadband Antenna Structures                                                         | Owned                     | Issued | United States of America | 10878909      |
| Broadband Flexible Printed Circuit Balun                                             | Owned                     | Issued | United States of America | 09845998      |
| BROAD-BAND HIGH-DIRECTIVITY ANTENNA                                                  | Owned                     | Issued | United States of America | 07401889      |
| Cavity Embedded Antenna                                                              | Owned                     | Issued | United States of America | 10550367      |
| COMPACT, LOW PROFILE, CIRCULAR POLARIZATION CUBIC ANTENNA                            | Owned                     | Issued | United States of America | 10643760      |
| CROSSED TEE-FED                                                                      | Owned                     | Issued | United States of         | 06504567      |

| TITLE                                                                                      | CLIENT OWNERSHIP INTEREST | STATUS | COUNTRY                  | SERIAL NUMBER |
|--------------------------------------------------------------------------------------------|---------------------------|--------|--------------------------|---------------|
| SLOT ANTENNA                                                                               |                           |        | America                  |               |
| DETACHABLE ANTENNA FOR RADIO COMMUNICATIONS DEVICE                                         | Owned                     | Issued | United States of America | 13308695      |
| Digital Broadcast Receiving Antenna Having Movable Matching Device                         | Owned                     | Issued | Republic of Korea        | 1020120085007 |
| DIPATCH ANTENNA                                                                            | Owned                     | Issued | United States of America | 06773699      |
| Dipole Tunable Reconfigurable Reflector Array                                              | Owned                     | Issued | United States of America | 09844950      |
| Dual Band Spiral-Shaped Antenna                                                            | Owned                     | Issued | United States of America | 10285291      |
| DUAL FEED ANTENNA                                                                          | Owned                     | Issued | United States of America | 12644718      |
| DUAL FEED ANTENNA                                                                          | Owned                     | Issued | United States of America | 13757192      |
| Dual Uncoupled Mode Box Antenna                                                            | Owned                     | Issued | United States of America | 10119133      |
| Ear-phone antenna for a mobile communication device with video application                 | Owned                     | Issued | Republic of Korea        | 1020060065158 |
| Extended Smart Antenna System                                                              | Licensed                  | Issued | United States of America | 11678964      |
| External Antenna Assembly                                                                  | Owned                     | Issued | Republic of Korea        | 1020060108387 |
| FABRICATION METHOD AND APPARATUS FOR ANTENNA STRUCTURES IN WIRELESS COMMUNICATIONS DEVICES | Owned                     | Issued | United States of America | 10123380      |
| FASTENING APPARATUS FOR A ROD ANTENNA                                                      | Owned                     | Issued | Republic of Korea        | 1020100102265 |
| Handset Quadrifilar Helical Antenna Mechanical Structures                                  | Owned                     | Issued | United States of America | 11130035      |
| Handset quadrifilar helical antenna mechanical structures                                  | Licensed                  | Issued | Republic of Korea        | 1020050067681 |
| HEADPHONE ANTENNA FOR RADIO                                                                | Owned                     | Issued | United States of America | 13337789      |

| TITLE                                                                                                           | CLIENT OWNERSHIP INTEREST | STATUS | COUNTRY                  | SERIAL NUMBER |
|-----------------------------------------------------------------------------------------------------------------|---------------------------|--------|--------------------------|---------------|
| COMMUNICATIONS DEVICE                                                                                           |                           |        |                          |               |
| High Gain, Frequency Tunable Variable Impedance Transmission Line Loaded Antenna Having Shaped Top Plates       | Owned                     | Issued | United States of America | 09871047      |
| High Gain, Frequency Tunable Variable Impedance Transmission Line Loaded Antenna Providing Multi-Band Operation | Owned                     | Issued | United States of America | 09724332      |
| HIGH GAIN, FREQUENCY TUNABLE VARIABLE IMPEDANCE TRANSMISSION LINE LOADED ANTENNA WITH RADIATING AND TUNING WING | Owned                     | Issued | United States of America | 09643302      |
| Hinge device for external dmb receiver antenna                                                                  | Owned                     | Issued | Republic of Korea        | 1020050122398 |
| Independently Tunable Multiband Meanderline Loaded Antenna                                                      | Owned                     | Issued | United States of America | 10686903      |
| Independently tunable multiband meanderline loaded antenna                                                      | Owned                     | Issued | Republic of Korea        | 1020030073834 |
| Integrated Front End Antenna                                                                                    | Owned                     | Issued | United States of America | 10787549      |
| Internal antenna for a mobile communication device                                                              | Owned                     | Issued | Republic of Korea        | 1020060022086 |
| Low Profile Compact Multi-band Meanderline Loaded Antenna                                                       | Owned                     | Issued | United States of America | 10881742      |
| Low Profile, Boradband, Dual Mode, Modified Notch Antenna                                                       | Owned                     | Issued | United States of America | 09847551      |
| LOW PROFILE, HIGH GAIN FREQUENCY TUNABLE VARIABLE IMPEDANCE TRANSMISSION LINE LOADED ANTENNA                    | Owned                     | Issued | United States of America | 09871201      |
| MEANDER LINE LOADED ANTENNA                                                                                     | Owned                     | Issued | United States of America | 08389866      |
| Meanderline Coupled Quadband Antenna For                                                                        | Licensed                  | Issued | United States of America | 11145171      |

| <b>TITLE</b>                                                                                                                      | <b>CLIENT OWNERSHIP INTEREST</b> | <b>STATUS</b> | <b>COUNTRY</b>           | <b>SERIAL NUMBER</b> |
|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------|--------------------------|----------------------|
| Wireless Handsets                                                                                                                 |                                  |               |                          |                      |
| Metamorphic Parallel Plate Antenna                                                                                                | Owned                            | Issued        | United States of America | 09844949             |
| METHOD AND APPARATUS FOR ADAPTIVELY CONTROLLING ANTENNA PARAMETERS TO ENHANCE EFFICIENCY AND MAINTAIN ANTENNA SIZE COMPACTNESS    | Licensed                         | Issued        | United States of America | 11252248             |
| Method and Apparatus for Reducing SAR Exposure in aCommunication Handset Device                                                   | Owned                            | Issued        | Republic of Korea        | 2003099176           |
| Method And Apparatus For Reducing The Low Frequency Cut-Off Of A Wideband Meander Line Loaded Antenna                             | Owned                            | Issued        | United States of America | 10123787             |
| Method And Apparatus For Using Rf-Activated Mems Switching Elements                                                               | Owned                            | Issued        | United States of America | 09847554             |
| METHODS AND APPARATUSES FOR ADAPTIVELY CONTROLLING ANTENNA PARAMETERS TO ENHANCE EFFICIENCY AND MAINTAIN ANTENNA SIZE COMPACTNESS | Licensed                         | Issued        | United States of America | 11421878             |
| METHODS AND APPARATUSES FOR ADAPTIVELY CONTROLLING ANTENNA PARAMETERS TO ENHANCE EFFICIENCY AND MAINTAIN ANTENNA SIZE COMPACTNESS | Licensed                         | Issued        | United States of America | 11623307             |
| METHODS FOR REDUCING NEAR-FIELD RADIATION AND SPECIFIC                                                                            | Owned                            | Issued        | United States of America | 12786032             |

| TITLE                                                                                                         | CLIENT OWNERSHIP INTEREST | STATUS | COUNTRY                  | SERIAL NUMBER |
|---------------------------------------------------------------------------------------------------------------|---------------------------|--------|--------------------------|---------------|
| ABSORPTION RATE (SAR) VALUES IN COMMUNICATIONS DEVICES                                                        |                           |        |                          |               |
| METHODS FOR REDUCING NEAR-FIELD RADIATION AND SPECIFIC ABSORPTION RATE (SAR) VALUES IN COMMUNICATIONS DEVICES | Owned                     | Issued | United States of America | 13726871      |
| MICROSTRIP TEE-FED SLOT ANTENNA                                                                               | Owned                     | Issued | United States of America | 06856874      |
| Monolithic Low Profile Omni-Directional Surface-Mount Antenna                                                 | Owned                     | Issued | United States of America | 10779562      |
| Multi-band Rod Antenna Having hinge support embedding matching element                                        | Owned                     | Issued | Republic of Korea        | 1020110075382 |
| Multiband Tunable Antenna                                                                                     | Licensed                  | Issued | United States of America | 11627357      |
| Multichannel Wireless System                                                                                  | Owned                     | Issued | United States of America | 12028833      |
| MULTIMODE ANTENNA STRUCTURE                                                                                   | Owned                     | Issued | United States of America | 11769565      |
| MULTIMODE ANTENNA STRUCTURE                                                                                   | Owned                     | Issued | Japan                    | 2009511268    |
| MULTIMODE ANTENNA STRUCTURE                                                                                   | Owned                     | Issued | Republic of Korea        | 1020077021744 |
| MULTIMODE ANTENNA STRUCTURE                                                                                   | Owned                     | Issued | Taiwan R.O.C.            | 96144278      |
| MULTIMODE ANTENNA STRUCTURE                                                                                   | Owned                     | Issued | United States of America | 12099320      |
| MULTIMODE ANTENNA STRUCTURE                                                                                   | Owned                     | Issued | United States of America | 12750196      |
| MULTIMODE ANTENNA STRUCTURE                                                                                   | Owned                     | Issued | United States of America | 13454738      |
| MULTIMODE ANTENNA STRUCTURE                                                                                   | Owned                     | Issued | Japan                    | 2010504260    |
| Multiple Antenna Diversity for Wireless                                                                       | Owned                     | Issued | United States of America | 10313971      |

| TITLE                                                                                  | CLIENT OWNERSHIP INTEREST | STATUS | COUNTRY                  | SERIAL NUMBER |
|----------------------------------------------------------------------------------------|---------------------------|--------|--------------------------|---------------|
| LAN Applications                                                                       |                           |        |                          |               |
| MULTI-PORT ANTENNA                                                                     | Owned                     | Issued | United States of America | 12644691      |
| Narrow-Band, Crossed-Element, Offset-Tuned Band, Dual Mode Meander Line Loaded Antenna | Owned                     | Issued | United States of America | 09871038      |
| Narrow-Band, Symmetric, Crossed, Circularly Polarized Meander Line Loaded Antenna      | Owned                     | Issued | United States of America | 09871036      |
| Quadrifilar Helical Antenna                                                            | Owned                     | Issued | United States of America | 10998301      |
| Quadrifilar Helical Antenna                                                            | Licensed                  | Issued | United States of America | 11879208      |
| Quadrifilar Helical Antenna                                                            | Licensed                  | Issued | United States of America | 12367528      |
| Quadrifilar Helical Antenna                                                            | Licensed                  | Issued | Republic of Korea        | 2005022253    |
| Radio Frequency Identification Tag                                                     | Owned                     | Issued | United States of America | 10856354      |
| Reconfigurable Diplexer For Comsat Applications                                        | Owned                     | Issued | United States of America | 09809449      |
| Reconfigurable Resonant Cavity With Frequency Selective Surfaces And Shorting Posts    | Owned                     | Issued | United States of America | 09808865      |
| REDUCED SIDE LOBE ANTENNA SYSTEM                                                       | Owned                     | Issued | United States of America | 06543669      |
| RF-Actuated MEMS Switching Element                                                     | Owned                     | Issued | United States of America | 11008503      |
| Scanning, Circularly Polarized Varied Impedance Transmission Line Antenna              | Owned                     | Issued | United States of America | 09871139      |
| Slot Antenna                                                                           | Owned                     | Issued | United States of America | 12055259      |
| SPREAD-SPECTRUM DETECTION SYSTEM FOR A MULTI-ELEMENT ANTENNA                           | Owned                     | Issued | United States of America | 06601453      |
| Stacked, Multi-Band Look-Thru Antenna                                                  | Owned                     | Issued | United States of America | 09847792      |
| Structure for Precluding Projection of Antenna                                         | Owned                     | Issued | Republic of Korea        | 1020080041925 |
| T-DMB ANTENNA                                                                          | Owned                     | Issued | Republic of Korea        | 1020080123899 |
| Thin, Broadband Salisbury Screen Absorber                                              | Owned                     | Issued | United States of America | 09847552      |

| <b>TITLE</b>                                                                     | <b>CLIENT OWNERSHIP INTEREST</b> | <b>STATUS</b> | <b>COUNTRY</b>           | <b>SERIAL NUMBER</b> |
|----------------------------------------------------------------------------------|----------------------------------|---------------|--------------------------|----------------------|
| TRI-BAND ANTENNA FOR DIGITAL MULTIMEDIA BROADCAST (DMB) APPLICATIONS             | Owned                            | Issued        | United States of America | 10863809             |
| Tri-Band Miniature Antenna for Wireless Handsets                                 | Licensed                         | Issued        | United States of America | 29243371             |
| Tri-Band Multi-Mode Antenna                                                      | Owned                            | Issued        | United States of America | 10289617             |
| Tunable Diversity Antenna for use with Frequency Hopping Communications Protocol | Licensed                         | Issued        | United States of America | 11971573             |
| Ultra-Wide Band Meanderline Fed Monopole Antenna                                 | Owned                            | Issued        | United States of America | 10418947             |
| ULTRA-WIDE BAND MONOPOLE ANTENNA                                                 | Owned                            | Issued        | United States of America | 11157154             |
| WIDEBAND LOW PROFILE SPIRAL-SHAPED TRANSMISSION LINE ANTENNA                     | Owned                            | Issued        | United States of America | 10331105             |
| Wideband Printed Monopole Antenna                                                | Owned                            | Issued        | United States of America | 10453841             |
| Absortion Guide for Multistage Antenna and Manufacturing Method Thereof          | Owned                            | Pending       | Republic of Korea        | 1020110030862        |
| ANTENNA STRUCTURES AND METHODS THEREOF                                           | Owned                            | Pending       | United States of America | 14257592             |
| ANTENNA STRUCTURES AND METHODS THEREOF                                           | Owned                            | Pending       | United States of America | 14266008             |
| ANTENNA STRUCTURES AND METHODS THEREOF                                           | Owned                            | Pending       | United States of America | 14285223             |
| ANTENNA STRUCTURES AND METHODS THEREOF                                           | Owned                            | Pending       | United States of America | 14257624             |
| ANTENNA STRUCTURES AND METHODS THEREOF                                           | Owned                            | Pending       | United States of America | 14266053             |
| ANTENNA STRUCTURES AND METHODS THEREOF                                           | Owned                            | Pending       | United States of America | 14285262             |
| ANTENNA SYSTEM                                                                   | Owned                            | Pending       | United States of         | 12899900             |

| TITLE                                                                          | CLIENT OWNERSHIP INTEREST | STATUS  | COUNTRY                  | SERIAL NUMBER |
|--------------------------------------------------------------------------------|---------------------------|---------|--------------------------|---------------|
| PROVIDING HIGH ISOLATION BETWEEN ANTENNAS ON ELECTRONICS DEVICE                |                           |         | America                  |               |
| ANTENNA SYSTEM PROVIDING HIGH ISOLATION BETWEEN ANTENNAS ON ELECTRONICS DEVICE | Owned                     | Pending | Canada                   | 2813942       |
| ANTENNA SYSTEM PROVIDING HIGH ISOLATION BETWEEN ANTENNAS ON ELECTRONICS DEVICE | Owned                     | Pending | Republic of Korea        | 1020127009984 |
| ANTENNA WITH RADIATOR FIXED BY FUSION, AND MANUFACTURING METHOD THEREOF        | Owned                     | Pending | United States of America | 14263621      |
| ANTENNA WITH RADIATOR FIXED BY FUSION, AND MANUFACTURING METHOD THEREOF        | Owned                     | Pending | Republic of Korea        | 1020140032916 |
| Digital Broadcast Receiving Antenna Having Movable Matching Device             | Owned                     | Pending | Republic of Korea        | 1020110114412 |
| DUAL FEED ANTENNA                                                              | Owned                     | Pending | Republic of Korea        | 1020117015321 |
| DUAL FEED ANTENNA                                                              | Owned                     | Pending | United States of America | 14107568      |
| Earphone antenna                                                               | Owned                     | Pending | Republic of Korea        | 1020140009906 |
| Earphone Antenna with spaced lines                                             | Owned                     | Pending | Republic of Korea        | 1020140033027 |
| HEADPHONE ANTENNA FOR RADIO COMMUNICATIONS DEVICE                              | Owned                     | Pending | PCT                      | PCTUS1167327  |
| Helical earphone antenna                                                       | Owned                     | Pending | Republic of Korea        | 1020140022805 |
| HIGH ISOLATION ANTENNA SYSTEM                                                  | Owned                     | Pending | United States of America | 12873823      |
| HIGH ISOLATION ANTENNA SYSTEM                                                  | Owned                     | Pending | Republic of Korea        | 1020127008008 |



| TITLE                                                                                                                             | CLIENT OWNERSHIP INTEREST | STATUS  | COUNTRY                   | SERIAL NUMBER |
|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------|---------------------------|---------------|
| METHOD AND APPARATUS FOR CONTROLLING AN ANTENNA                                                                                   | Owned                     | Pending | United States of America  | 13768834      |
| METHOD AND APPARATUS FOR CONTROLLING AN ANTENNA                                                                                   | Owned                     | Pending | PCT                       | PCTUS1326606  |
| Methods and Apparatus For adaptively Controlling Antenna Parameters to Enhance Efficiency and Maintain Antenna Size Compactness   | Licensed                  | Pending | China                     | 2007800282487 |
| Methods and Apparatus For adaptively Controlling Antenna Parameters to Enhance Efficiency and Maintain Antenna Size Compactness   | Licensed                  | Pending | Japan                     | 2009513487    |
| Methods and Apparatus For adaptively Controlling Antenna Parameters to Enhance Efficiency and Maintain Antenna Size Compactness   | Licensed                  | Pending | Republic of Korea         | 20087032224   |
| METHODS AND APPARATUS FOR IMPROVING RF COMMUNICATIONS                                                                             | Owned                     | Pending | United States of America. | 61896233      |
| METHODS AND APPARATUS FOR PERFORMING RF COMMUNICATIONS                                                                            | Owned                     | Pending | United States of America  | 61932831      |
| METHODS AND APPARATUSES FOR ADAPTIVELY CONTROLLING ANTENNA PARAMETERS TO ENHANCE EFFICIENCY AND MAINTAIN ANTENNA SIZE COMPACTNESS | Licensed                  | Pending | United States of America  | 13646012      |
| METHODS FOR REDUCING NEAR-FIELD RADIATION AND SPECIFIC                                                                            | Owned                     | Pending | United States of America  | 14225640      |

| TITLE                                                                                                         | CLIENT OWNERSHIP INTEREST | STATUS  | COUNTRY                  | SERIAL NUMBER |
|---------------------------------------------------------------------------------------------------------------|---------------------------|---------|--------------------------|---------------|
| ABSORPTION RATE (SAR) VALUES IN COMMUNICATIONS DEVICES                                                        |                           |         |                          |               |
| METHODS FOR REDUCING NEAR-FIELD RADIATION AND SPECIFIC ABSORPTION RATE (SAR) VALUES IN COMMUNICATIONS DEVICES | Owned                     | Pending | Republic of Korea        | 1020117030224 |
| METHODS FOR REDUCING NEAR-FIELD RADIATION AND SPECIFIC ABSORPTION RATE (SAR) VALUES IN COMMUNICATIONS DEVICES | Owned                     | Pending | Taiwan R.O.C.            | 99116692      |
| Misuk IM Vs. SkyCross Korea                                                                                   | Owned                     | Pending | Republic of Korea        |               |
| MULTIBAND ANTENNA WITH INDEPENDENT HIGH AND LOW BAND STRUCTURES AND METHOD FOR TUNING                         | Owned                     | Pending | United States of America | 61793856      |
| MULTIMODE ANTENNA STRUCTURE                                                                                   | Owned                     | Pending | China                    | 201310138982  |
| MULTIMODE ANTENNA STRUCTURE                                                                                   | Owned                     | Pending | European Patent Office   | 087461927     |
| MULTIMODE ANTENNA STRUCTURE                                                                                   | Owned                     | Pending | Japan                    | 2013092612    |
| MULTIMODE ANTENNA STRUCTURE                                                                                   | Owned                     | Pending | Republic of Korea        | 1020097024250 |
| MULTIMODE ANTENNA STRUCTURE                                                                                   | Owned                     | Pending | Taiwan R.O.C.            | 97114209      |
| MULTIMODE ANTENNA STRUCTURE                                                                                   | Owned                     | Pending | China                    | 2010800216491 |
| MULTIMODE ANTENNA STRUCTURE                                                                                   | Owned                     | Pending | Japan                    | 2012500989    |
| MULTIMODE                                                                                                     | Owned                     | Pending | Republic of Korea        | 1020117024319 |

| <b>TITLE</b>                                                                                          | <b>CLIENT OWNERSHIP INTEREST</b> | <b>STATUS</b> | <b>COUNTRY</b>           | <b>SERIAL NUMBER</b> |
|-------------------------------------------------------------------------------------------------------|----------------------------------|---------------|--------------------------|----------------------|
| ANTENNA STRUCTURE                                                                                     |                                  |               |                          |                      |
| MULTIMODE ANTENNA STRUCTURES AND METHODS THEREOF                                                      | Owned                            | Pending       | United States of America | 13912331             |
| MULTI-PORT ANTENNA                                                                                    | Owned                            | Pending       | Republic of Korea        | 1020117015320        |
| Multistage Antenna Having Matching Element                                                            | Owned                            | Pending       | Republic of Korea        | 1020110081862        |
| RECONFIGURABLE MIMO APPLICATIONS                                                                      | Owned                            | Pending       | United States of America | 61941888             |
| SINGLE FEEDING MULTIBAND ANTENNA MODULE FOR MOBILE DEVICE                                             | Owned                            | Pending       | Republic of Korea        | 1020130071254        |
| THREE-FEED LOW-PROFILE ANTENNA STRUCTURE OFFERING HIGH PORT-TO-PORT ISOLATION AND MULTIBAND OPERATION | Owned                            | Pending       | United States of America | 13657138             |

**EXHIBIT C**

**Trademarks**

| <b>Name</b> | <b>Date Filed</b> | <b>Status</b> | <b>Country</b>              | <b>Serial Number</b> |
|-------------|-------------------|---------------|-----------------------------|----------------------|
| IMAT        | May 2, 2008       | Registered    | United States of America    | 77464016             |
| IMAT        | Nov 13, 2008      | Registered    | China                       | 7054633              |
| IMAT        | Oct 29, 2008      | Registered    | Taiwan R.O.C.               | 097049973            |
| iMAT        | Oct 1, 2008       | Registered    | Republic of Korea           | 4020080047279        |
| IMAT        | Nov 26, 2009      | Registered    | Japan                       | JP2009089462         |
| SkyCross    | Feb 17, 2009      | Registered    | Taiwan R.O.C.               | 098005352            |
| Skycross    | Oct 1, 2008       | Registered    | Republic of Korea           | 4020080047278        |
| SkyCross    | Oct 1, 2008       | Registered    | Republic of Korea           | 4120080026008        |
| SkyCross    | Oct 1, 2008       | Registered    | Republic of Korea           | 4120080026009        |
| SkyCross    | Aug 14, 2009      | Registered    | Republic of Korea           | 4120090018641        |
| SkyCross    | Nov 26, 2009      | Registered    | Japan                       | JP2009089428         |
| SkyCross    | Nov 26, 2009      | Registered    | Japan                       | 2009089449           |
| SkyCross    | Mar 15, 2013      | Registered    | United States of America    | 85877671             |
| SkyCross    | Sep 16, 2013      | Registered    | International Bureau (WIPO) | 1180129              |
| VersiTune   | Jul 15, 2013      | Allowed       | United States of America    | 86010889             |