PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4579224

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ACHILLES TECHNOLOGY MANAGEMENT CO II, INC.	08/14/2017

RECEIVING PARTY DATA

Name:	SKYCROSS KOREA CO., LTD.
Street Address:	DIGITAL EMPIRE BUILDING, YEONGTONG-DONG #C-1001, 16, DEOGYEONG-DAERO 1556 BEON-GIL
City:	YEONGTONG-GU, SUWON-SI, GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF

PROPERTY NUMBERS Total: 92

Property Type	Number
Application Number:	11769565
Application Number:	12099320
Application Number:	12750196
Application Number:	13454738
Application Number:	13974479
Application Number:	14319882
Application Number:	15066713
Application Number:	15590135
Application Number:	12727531
Application Number:	14450365
Application Number:	14918895
Application Number:	15190870
Application Number:	13726871
Application Number:	14225640
Application Number:	14754900
Application Number:	15094570
Application Number:	12786032
Application Number:	12644691
Application Number:	12644718
Application Number:	13757192
Application Number:	14107568

Property Type	Number
Application Number:	15182791
Application Number:	12873823
Application Number:	14558269
Application Number:	15627572
Application Number:	12899900
Application Number:	13308695
Application Number:	13337789
Application Number:	13912331
Application Number:	13768834
Application Number:	14574752
Application Number:	29281429
Application Number:	29281430
Application Number:	29281432
Application Number:	29282578
Application Number:	29283563
Application Number:	29331169
Application Number:	29331806
Application Number:	29331808
Application Number:	29331810
Application Number:	29332351
Application Number:	29332356
Application Number:	29333739
Application Number:	29350010
Application Number:	09643302
Application Number:	09871047
Application Number:	09871201
Application Number:	09724332
Application Number:	10007818
Application Number:	10787549
Application Number:	10878909
Application Number:	10160930
Application Number:	10285291
Application Number:	10331105
Application Number:	10313971
Application Number:	10418947
Application Number:	10453841
Application Number:	10645862
Application Number:	10289617

Property Type	Number
Application Number:	10779562
Application Number:	10856354
Application Number:	10875850
Application Number:	10863809
Application Number:	10881742
Application Number:	29232133
Application Number:	11145171
Application Number:	29243371
Application Number:	11252248
Application Number:	11421878
Application Number:	11623307
Application Number:	13646012
Application Number:	11678964
Application Number:	11627371
Application Number:	11627357
Application Number:	11971573
Application Number:	12028833
Application Number:	12055259
Application Number:	14257592
Application Number:	14467915
Application Number:	14449498
Application Number:	15155193
Application Number:	14516647
Application Number:	14472551
Application Number:	14471604
Application Number:	14471567
Application Number:	14307857
Application Number:	14338090
Application Number:	14338099
Application Number:	14263621
Application Number:	14285262
Application Number:	14568801
Application Number:	11157154

CORRESPONDENCE DATA

Fax Number: (267)546-0594

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: 2675460624

Email:	patents@sprucelaw.com
Correspondent Name:	STEPHEN B. SCHOTT
Address Line 1:	1622 SPRUCE STREET
Address Line 4:	PHILADELPHIA, PENNSYLVANIA 19103

ATTORNEY DOCKET NUMBER:	835-01
NAME OF SUBMITTER:	STEPHEN B. SCHOTT
SIGNATURE:	/Stephen B. Schott/
DATE SIGNED:	09/05/2017

Total Attachments: 8
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INTELLECTUAL PROPERTY ASSIGNMENT

This Intellectual Property Assignment is made from Achilles Technology Management Co II, Inc., located at 400 Hamilton Avenue, Suite 310, Palo Alto, California 94301, United States ("Seller"), to Skycross Korea Co., Ltd. ("Buyer"), located at Digital Empire Building, Yeongtong-dong #C-1001, 16, Deogyeong-daero 1556 beon-gil, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea.

In exchange for Buyer's consideration Seller conveys, transfers, and assigns to Buyer, among other assets, certain intellectual property of Seller, and has agreed to execute and deliver this Intellectual Property Assignment, for recording with the United States Patent and Trademark Office and corresponding entities or agencies in any applicable jurisdictions;

THEREFORE, Seller agrees as follows:

1. Assignment. Seller hereby irrevocably conveys, transfers, and assigns to Buyer all of Seller's right, title, and interest in and to the following (the "Assigned Intellectual Property"), which Assigned Intellectual Property is conveyed, transferred, and assigned "as is":

(a) the patents, patent applications, and trademarks set forth in Schedule 1 hereto and all issuances, divisions, continuations, continuations-in-part, reissues, extensions, reexaminations, and renewals thereof;

(b) all software licenses acquired by Seller and used by Skycross Korea Co., Ltd., to the extent that such software licenses are lawfully transferable by Seller to Buyer, with the mutual understanding that Seller is making no representation regarding the ability to transfer any software license and in the event that there are costs associated with such a transfer, such costs will be the responsibility of Buyer;

(c) all rights of any kind whatsoever of Seller in all of Seller's Assigned Intellectual Property, including any rights in any unfiled, abandoned, licensed, and conveyed intellectual property, including but not limited to Seller's rights under the

[redacted]

(d) any and all royalties, fees, income, payments, and other proceeds now or hereafter due or payable with respect to any and all of the foregoing;

(e) all common law trademark rights, copyrights, trade secrets, and any domain names including but not limited to its domain name "skycross.com"; and

(f) any and all claims and causes of action with respect to any of the foregoing, whether accruing before, on, or after the date hereof, including all rights to and claims for damages, restitution, and injunctive and other legal and equitable relief for past, present, and future infringement, misappropriation, violation, misuse, breach, or default, with the right but no obligation to sue for such legal and equitable relief and to collect, or otherwise recover, any such damages.

2. Recordation and Further Actions. Seller hereby authorizes officials of Patent and Trademark Offices or other government agencies in any applicable jurisdictions to record and register this Intellectual Property Assignment upon request by Buyer. Following the date hereof, upon Buyer's reasonable request and at Buyer's expense, Seller shall take such steps and actions, and provide such cooperation and assistance to Buyer and its successors, assigns, and legal representatives, including the execution and delivery of any affidavits, declarations, oaths, exhibits, assignments, powers of attorney, or other documents, as may be necessary to effect, evidence, or perfect the assignment of the Assigned Intellectual Property to Buyer, or any assignee or successor thereto as may be required in any such jurisdiction and Seller has identified Tamarack Associates, Inc. to act on Seller's behalf as its authorized Officer and to bind Seller in all matters related to this Intellectual Property Assignment, and if this authorized Officer is not available, Seller shall assign another appropriate authorized Officer.

3. Assigned IP Status. The Assigned Intellectual Property is transferred on an As Is basis without any representation or warranty by Seller as to its usefulness or validity or non-infringement of third-party intellectual property rights.

4. Successors and Assigns. This Intellectual Property Assignment shall be binding upon and shall inure to the benefit of the parties hereto and their respective successors and assigns.

5. Governing Law. This Intellectual Property Assignment and any claim, controversy, dispute, or cause of action (whether in contract, tort, or otherwise) based upon, arising out of, or relating to this Intellectual Property Assignment and the transactions contemplated hereby shall be governed by, and construed in accordance with, the laws of the United States and the State of California without giving effect to any choice or conflict of law provision or rule (whether of the State of California or any other jurisdiction). The parties hereto agree that any dispute between the parties arising from or related to this Intellectual Property Assignment, including any question regarding its existence, validity or termination, shall be finally and exclusively resolved by arbitration in Singapore and shall be conducted in the English language in accordance with the Rules of the Conciliation and Arbitration of the International Chamber of Commerce (the "Arbitration Rules") then in effect, except as modified herein. There shall be three arbitrators, one to be appointed by the claimant/claimants and one to be appointed by the respondent/respondents and the two nominated arbitrators shall jointly nominate the third and presiding arbitrator within thirty (30) days of the nomination of the second arbitrator. If any arbitrator has not been nominated within the 30-day period, then such arbitrator shall be appointed in accordance with the Arbitration Rules. The award made by the arbitral tribunal (the "Award") shall be final and binding upon the parties to the arbitration as from the date rendered, and shall be the sole and exclusive remedy among the parties to the arbitration regarding any claims, counterclaims, issues, or accounting presented to the arbitration

tribunal. Notwithstanding the foregoing, the parties hereto shall have the right to bring in any court having competent jurisdiction judicial proceedings to seek injunctive relief at any time during the pendency of arbitration proceedings, provided that such injunctive relief shall be subject to the Award. The Award may be enforced by any court having competent jurisdiction.

[*Signatures on the Following Page*]

IN WITNESS WHEREOF, Seller has duly executed and delivered this Intellectual Property Assignment.

Achilles Technology Management Co II, Inc.

By: _____

Name:John L Palmer, Ph.D.

Title:Chief Restructuring Officer

Date: August 14, 2017

_____
Witness 1 Name: Madhuri H. Malkani

_____
Witness 2 Name:
Michael C. Stinson

On this 14th day of August, 2017, before me a notary public, the undersigned officer, personally appeared John L. Palmer, known to me to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged that they executed the same for the purposes therein contained.

_____
Notary Public

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
ROSEMARY GORESKI, Notary Public
Whitpain Township, Montgomery County
My Commission Expires November 9, 2019

SCHEDULE 1

LIST OF PATENTS, PATENT APPLICATIONS AND TRADEMARKS

SCHEDULE 1: Achilles Pending and Issued Intellectual Property

Attorney Ref	Country Code	Type	Application Number	Patent/Trademark Number	Issue Date	Filing Date	Status	Title
5000-0002-CN-A	CN	Utility	200880020727	200880020727	2013-05-29	2008-04-18	Issued	MULTIMODE ANTENNA STRUCTURE
5000-0002-CN-01-A	CN	Utility	201310138898	201310138098.2	2015-09-30	2013-04-19	Issued	MULTIMODE ANTENNA STRUCTURE
5000-0189-CN-B	CN	Utility	201410232846.8			2014-05-29	Pending	ANTENNA WITH RADIATOR FIXED BY FUSION, AND MANUFACTURING METHOD THEREOF
5000-TM02-CN	CN	Trademark	7054633		2010-10-25	2008-11-13	Issued	Word Mark for IMAT
5000-0001-01-JP-A	JP	Utility	2009511268	4723673	2011-04-15	2007-08-23	Issued	MULTIMODE ANTENNA STRUCTURE
5000-0002-JP 01-A	JP	Utility	2013092612	5617005	2014-10-19	2013-04-25	Issued	MULTIMODE ANTENNA STRUCTURE
5000-0002-JP-A	JP	Utility		5260633	2013-05-02		Issued	MULTIMODE ANTENNA STRUCTURE
5000-0076-JP-C	JP	Utility	2009-513487	5603072	2014-08-24		Issued	METHOD AND APPARATUS FOR ADAPTIVELY CONTROLLING ANTENNA PARAMETERS TO ENHANCE EFFICIENCY AND MAINTAIN ANTENNA SIZE COMPACTNESS
5000-TM12-JP	JP	Trademark	JP2009089428		2009-11-26		Issued	Word Mark for SkyCross
5000-TM13-JP	JP	Trademark	JP2009089449	5311728	2010-03-26	2009-11-26	Issued	Word Mark for SkyCross
5000-TM14-JP	JP	Trademark	JP2009089462		2009-11-26		Issued	Word Mark for IMAT
5000-0001-KR-A	KR	Utility	10-2007-7021744	979437	2010-08-26	2007-09-21	Issued	MULTIMODE ANTENNA STRUCTURE
5000-0002-KR-A	KR	Utility	1020097024250	1475295	2014-12-16	2008-04-18	Issued	MULTIMODE ANTENNA STRUCTURE
5000-0004-KR-B	KR	Utility	1020117030224	10-1727303	2017-04-10	2010-05-24	Issued	Methods for Reducing Near-Field Radiation and Specific Absorption Rate (SAR) Values in Communications Devices
5000-0005B-KR-B	KR	Utility	1020117015321	10-1689844	2016-12-20	2009-12-22	Issued	Dual Feed Antenna
5000-0006-KR-B	KR	Utility	1020127008008	10-0175689	2017-07-05	2010-09-01	Issued	High Isolation Antenna System
5000-0006-KR-01-B	KR	Utility	10-2017-7018541			2017-07-04	Pending	High Isolation Antenna System
5000-0076-01-KR-A	KR	Utility	20087032224	1525426	2015-05-28	2007-06-04	Issued	METHODS AND APPARATUSES FOR ADAPTIVELY CONTROLLING ANTENNA PARAMETERS TO ENHANCE EFFICIENCY AND MAINTAIN ANTENNA SIZE COMPACTNESS
5000-0091-KR-A	KR	Utility	1020060108387	802597	2008-02-01	2006-11-03	Issued	EXTERNAL ANTENNA ASSEMBLY
5000-0095-KR-B	KR	Utility	1020070015900	10-0886488	2008-08-20	2007-02-15	Issued	ANTENNA FOR DIGITAL MULTIMEDIA BROADCASTING
5000-0102-KR-B	KR	Utility	10-2008-0041925	982740	2010-09-10	2008-05-06	Issued	STRUCTURE FOR PRECLUDING PROJECTION OF ANTENNA
5000-0111-KR-B	KR	Utility	10-2011-0075382	1166779	2012-07-12	2011-07-28	Issued	MULTI-BAND ROD ANTENNA HAVING HINGE
5000-0113-KR2-A	KR	Utility	10-2012-0085007	1298945	2013-08-16	2012-08-03	Issued	DIGITAL BROADCAST RECEIVING ANTENNA HAVING MOVABLE MATCHING DEVICE
5000-0189-KR-B	KR	Utility	1020140032916	1547131	2015-08-19	2014-03-20	Issued	ANTENNA WITH RADIATOR FIXED BY FUSION, AND MANUFACTURING METHOD THEREOF
5000-0193-KR-C	KR	Utility	1020130071254			2013-06-20	Pending	Single Feeding Multiband Antenna Module for Mobile Device
5000-0197-KR-B	KR	Utility	1020140165046			2014-11-25	Pending	Multiband Antenna Structure
5000-TM07-KR	KR	Trademark	4020080047278	4008060010000	2009-11-11	2008-10-01	Issued	Word Mark for SkyCross
5000-TM08-KR	KR	Trademark	4020080047279	4008060000000	2009-11-11	2008-10-01	Issued	iMAT
5000-TM09-KR	KR	Trademark	4120080026008	4101915490000	2009-11-11	2008-10-01	Issued	Word Mark for SkyCross
5000-TM10-KR	KR	Trademark	4120080026009	4101915480000	2009-11-11	2008-10-01	Issued	Word Mark for SkyCross
5000-TM11-KR	KR	Trademark	4120090018641	4102062010000	2011-01-25	2009-08-14	Issued	Word Mark for SkyCross
5000-0001-TW-A	TW	Utility	96144278	I354403	2011-12-11	2007-11-22	Issued	MULTIMODE ANTENNA STRUCTURE
5000-0002-TW-A	TW	Utility	97114209	I505563	2015-10-21	2008-04-18	Issued	MULTIMODE ANTENNA STRUCTURE
5000-0004-TW-B	TW	Utility	99116692	99116692	2016-05-01	2010-05-25	Issued	METHODS FOR REDUCING NEAR-FIELD RADIATION AND SPECIFIC ABSORPTION RATE (SAR) VALUES IN COMMUNICATIONS DEVICES
5000-TM03-TW	TW	Trademark	97049973		2008-10-29		Issued	Word Mark for IMAT
5000-TM05-TW	TW	Trademark	98005352		2009-02-17		Issued	Word Mark for SkyCross
5000-0001-A	US	Utility: Non-Provisional	11/769,565	7688275	2010-03-30	2007-06-27	Issued	MULTIMODE ANTENNA STRUCTURE
5000-0002-A	US	Utility: Non-Provisional	12/099,320	7688273	2010-03-30	2008-04-08	Issued	MULTIMODE ANTENNA STRUCTURE
5000-0002-01-A	US	Utility: Non-Provisional	12/750,196	8164538	2012-04-24	2010-03-30	Issued	MULTIMODE ANTENNA STRUCTURE
5000-0002-02-A	US	Utility: Non-Provisional	13/454,738	8547289	2013-10-01	2012-04-24	Issued	MULTIMODE ANTENNA STRUCTURE
5000-0002-03-A	US	Utility: Non-Provisional	13/974,479	8803756	2014-08-12	2013-08-23	Issued	MULTIMODE ANTENNA STRUCTURE
5000-0002-04-A	US	Utility: Non-Provisional	14/319,882	9318803	2016-04-19	2014-06-30	Issued	MULTIMODE ANTENNA STRUCTURE
5000-0002-05-A	US	Utility: Non-Provisional	15/066,713	9660337	2017-05-23	2016-03-10	Issued	MULTIMODE ANTENNA STRUCTURE
5000-0002-06-A	US	Utility: Non-Provisional	15/590,135			2017-05-09	Pending	MULTIMODE ANTENNA STRUCTURE
5000-0003-A	US	Utility: Non-Provisional	12/727,531	8866691	2014-10-21	2010-03-19	Issued	MULTIMODE ANTENNA STRUCTURE
5000-0003-01-B	US	Utility: Non-Provisional	14/450,365	9190725	2015-11-17	2014-08-04	Issued	MULTIMODE ANTENNA STRUCTURE
5000-0003-02-B	US	Utility: Non-Provisional	14/918,895	9401547	2016-07-26	2015-10-21	Issued	MULTIMODE ANTENNA STRUCTURE
5000-0003-03-B	US	Utility: Non-Provisional	15/190,870			2016-06-23	Published	MULTIMODE ANTENNA STRUCTURE
5000-0004-01-A	US	Utility: Non-Provisional	13/726,871	8723743	2014-05-13	2012-12-26	Issued	METHODS FOR REDUCING NEAR-FIELD RADIATION AND SPECIFIC ABSORPTION RATE (SAR) VALUES IN COMMUNICATIONS DEVICES
5000-0004-02-A	US	Utility: Non-Provisional	14/225,640	9100095	2015-08-04	2014-03-26	Issued	METHODS FOR REDUCING NEAR-FIELD RADIATION AND SPECIFIC ABSORPTION RATE (SAR) VALUES IN COMMUNICATIONS DEVICES
5000-0004-03-A	US	Utility: Non-Provisional	14/754,900	9337548	2016-05-10	2015-06-30	Issued	METHODS FOR REDUCING NEAR-FIELD RADIATION AND SPECIFIC ABSORPTION RATE (SAR) VALUES IN COMMUNICATIONS DEVICES
5000-0004-04-A	US	Utility: Non-Provisional	15/094,570	9680514	2017-06-13	2016-04-08	Issued	METHODS FOR REDUCING NEAR-FIELD RADIATION AND SPECIFIC ABSORPTION RATE (SAR) VALUES IN COMMUNICATIONS DEVICES
5000-0004-A	US	Utility: Non-Provisional	12/786,032	8344956	2013-01-01	2010-05-24	Issued	METHODS FOR REDUCING NEAR-FIELD RADIATION AND SPECIFIC ABSORPTION RATE (SAR) VALUES IN COMMUNICATIONS DEVICES
5000-0005A-A	US	Utility: Non-Provisional	12/644,691	8228258	2012-07-24	2009-12-22	Issued	MULTI-PORT ANTENNA
5000-0005B-A	US	Utility: Non-Provisional	12/644,718	8373603	2013-02-12	2009-12-22	Issued	DUAL FEED ANTENNA
5000-0005B-01-A	US	Utility: Non-Provisional	13/757,192	8633860	2014-01-21	2013-02-01	Issued	DUAL FEED ANTENNA
5000-0005B-02-B	US	Utility: Non-Provisional	14/107,568	9397388	2016-07-19	2013-12-16	Issued	DUAL FEED ANTENNA
5000-0005B-03-B	US	Utility: Non-Provisional	15/182,791			2016-06-15	Published	DUAL FEED ANTENNA
5000-0006-A	US	Utility: Non-Provisional	12/873,823	8937578	2015-01-20	2010-09-01	Issued	HIGH ISOLATION ANTENNA SYSTEM
5000-0006-01-B	US	Utility: Non-Provisional	14/558,269	9685701	2017-06-20	2014-12-02	Issued	HIGH ISOLATION ANTENNA SYSTEM
5000-0006-02-B	US	Utility: Non-Provisional	15/627,572			2017-06-20	Pending	HIGH ISOLATION ANTENNA SYSTEM

5000-0007 -A	US	Utility: Non-Provisional	12/895,900	8928538	2015-01-06	2010-10-07	Issued	ANTENNA SYSTEM PROVIDING HIGH ISOLATION BETWEEN ANTENNAS ON ELECTRONICS DEVICE
5000-0008 -C	US	Utility: Non-Provisional	13/308,695	8681061	2014-03-25	2011-12-01	Issued	DETACHABLE ANTENNA FOR RADIO COMMUNICATIONS DEVICE
5000-0009 -C	US	Utility: Non-Provisional	13/337,789	8588717	2013-11-19	2011-12-27	Issued	HEADPHONE ANTENNA FOR RADIO COMMUNICATIONS DEVICE
5000-0011 -B	US	Utility: Non-Provisional	13/912,331			2013-06-07	Published	MULTIMODE ANTENNA STRUCTURES AND METHODS THEREOF
5000-0012 -C	US	Utility: Non-Provisional	13/768,834	8947308	2015-02-03	2013-02-15	Issued	METHOD AND APPARATUS FOR CONTROLLING AN ANTENNA
5000-0012-01-C	US	Utility: Non-Provisional	14/574,752			2014-12-18	Published	METHOD AND APPARATUS FOR CONTROLLING AN ANTENNA
5000-0014D -A	US	Design	29/281,429	D573589	2008-07-22	2007-06-22	Issued	ANTENNA STRUCTURE
5000-0015D -B	US	Design	29/281,430	D588585	2009-03-17	2007-06-22	Issued	ANTENNA STRUCTURE
5000-0016D -B	US	Design	29/281,432	D588586	2009-03-17	2007-06-22	Issued	ANTENNA STRUCTURE
5000-0017D -B	US	Design	29/282,578	D573590	2008-07-22	2007-07-24	Issued	ANTENNA STRUCTURE
5000-0018D -A	US	Design	29/283,563	D581400	2008-11-25	2007-08-17	Issued	ANTENNA STRUCTURE
5000-0021D -B	US	Design	29/331,169	D610132	2010-02-16	2009-01-21	Issued	ANTENNA STRUCTURE
5000-0022D - B	US	Design	29/331,806	D604278	2009-11-17	2009-02-02	Issued	ANTENNA STRUCTURE
5000-0024D -B	US	Design	29/331,808	D604279	2009-11-17	2009-02-02	Issued	ANTENNA STRUCTURE
5000-0025D -B	US	Design	29/331,810	D604280	2009-11-17	2009-02-02	Issued	ANTENNA STRUCTURE
5000-0026D -B	US	Design	29/332,351	D606058	2009-12-15	2009-02-13	Issued	ANTENNA STRUCTURE
5000-0027D -B	US	Design	29/332,356	D611936	2010-03-16	2009-02-13	Issued	ANTENNA STRUCTURE
5000-0028D -B	US	Design	29/333,739	D603851	2009-11-10	2009-03-13	Issued	ANTENNA STRUCTURE
5000-0029D -B	US	Design	29/350,010	D623632	2010-09-14	2009-11-10	Issued	ANTENNA STRUCTURE
5000-0043 -C	US	Utility: Non-Provisional	09/643,302	6469675	2002-10-22	2000-08-22	Issued	HIGH GAIN, FREQUENCY TUNABLE VARIABLE IMPEDANCE TRANSMISSION LINE LOADED ANTENNA WITH RADIATING AND TUNING WING
5000-0043-01 -C	US	Utility: Non-Provisional	09/871,047	6486844	2002-11-26	2001-05-31	Issued	HIGH GAIN, FREQUENCY TUNABLE VARIABLE IMPEDANCE TRANSMISSION LINE LOADED ANTENNA HAVING SHAPED TOP PLATES
5000-0043-02 -C	US	Utility: Non-Provisional	09/871,201	6489925	2002-12-03	2001-05-31	Issued	LOW PROFILE, HIGH GAIN FREQUENCY TUNABLE VARIABLE IMPEDANCE TRANSMISSION LINE LOADED ANTENNA
5000-0044	US	Utility: Non-Provisional	09/724,332	6429820	2002-08-06	2000-11-28	Issued	HIGH GAIN, FREQUENCY TUNABLE VARIABLE IMPEDANCE TRANSMISSION LINE LOADED ANTENNA PROVIDING MULTI-BAND OPERATION
5000-0045 -C	US	Utility: Non-Provisional	10/007,818	6597321	2003-07-22	2001-11-08	Issued	ADAPTIVE VARIABLE IMPEDANCE TRANSMISSION LINE LOADED ANTENNA
5000-0046-01 -C	US	Utility: Non-Provisional	10/787,549	7084823	2006-08-01	2004-02-26	Issued	INTEGRATED FRONT END ANTENNA
5000-0047-01 -C	US	Utility: Non-Provisional	10/878,909	6965348	2005-11-15	2004-06-28	Issued	BROADBAND ANTENNA STRUCTURES
5000-0049 -C	US	Utility: Non-Provisional	10/160,930	6741212	2004-05-25	2002-05-31	Issued	LOW PROFILE DIELECTRICALLY LOADED MEANDERLINE ANTENNA
5000-0050 -A	US	Utility: Non-Provisional	10/285,291	6856286	2005-02-15	2002-10-31	Issued	DUAL BAND SPIRAL-SHAPED ANTENNA
5000-0051 -C	US	Utility: Non-Provisional	10/331,105	6842158	2005-01-11	2002-12-27	Issued	WIDEBAND LOW PROFILE SPIRAL-SHAPED TRANSMISSION LINE ANTENNA
5000-0052-B	US	Utility: Non-Provisional	10/313,971	7253779	2007-08-07	2002-12-06	Issued	MULTIPLE ANTENNA DIVERSITY FOR WIRELESS LAN APPLICATIONS
5000-0053 -B	US	Utility: Non-Provisional	10/418,947	6917334	2005-07-12	2003-04-18	Issued	ULTRA-WIDE BAND MEANDERLINE FED MONOPOLE ANTENNA
5000-0054 -B	US	Utility: Non-Provisional	10/453,841	6937193	2005-08-30	2003-06-03	Issued	WIDEBAND PRINTED MONOPOLE ANTENNA
5000-0055 -C	US	Utility: Non-Provisional	10/645,862	6950066	2005-09-27	2003-08-21	Issued	APPARATUS AND METHOD FOR FORMING A MONOLITHIC SURFACE-MOUNTABLE ANTENNA
5000-0057 -C	US	Utility: Non-Provisional	10/289,617	6812891	2004-11-02	2002-11-07	Issued	TRI-BAND MULTI-MODE ANTENNA
5000-0060 -C	US	Utility: Non-Provisional	10/779,562	7046199	2006-05-16	2004-02-13	Issued	MONOLITHIC LOW PROFILE OMNI-DIRECTIONAL SURFACE-MOUNT ANTENNA
5000-0063 -C	US	Utility: Non-Provisional	10/856,354	7336243	2008-02-26	2004-05-28	Issued	RADIO FREQUENCY IDENTIFICATION TAG
5000-0066 -C	US	Utility: Non-Provisional	10/875,850	7042404	2006-05-09	2004-06-24	Issued	APPARATUS FOR REDUCING GROUND EFFECTS IN A FOLDER-TYPE COMMUNICATIONS HANDSET DEVICE
5000-0067 -C	US	Utility: Non-Provisional	10/863,809	7113135	2006-09-26	2004-06-08	Issued	TRI-BAND ANTENNA FOR DIGITAL MULTIMEDIA BROADCAST (DMB) APPLICATIONS
5000-0068 -A	US	Utility: Non-Provisional	10/881,742	7079079	2006-07-18	2004-06-30	Issued	LOW PROFILE COMPACT MULTI-BAND MEANDERLINE LOADED ANTENNA
5000-0069D -B	US	Design	29/232,133	D530707	2006-10-24	2005-06-15	Issued	BROADBAND ADJUSTABLE MATCH DIPOLE ANTENNA FOR EMBEDDED APPLICATIONS
5000-0073 -C	US	Utility: Non-Provisional	11/145,171	7193565	2007-03-20	2005-06-03	Issued	MEANDERLINE COUPLED QUADBAND ANTENNA FOR WIRELESS HANDSETS
5000-0075D -C	US	Design	29/243,371	D562311	2008-02-19	2005-11-22	Issued	TRI-BAND MINIATURE ANTENNA FOR WIRELESS HANDSETS
5000-0076 -C	US	Utility: Non-Provisional	11/252,248	7663555	2010-02-16	2005-10-17	Issued	METHOD AND APPARATUS FOR ADAPTIVELY CONTROLLING ANTENNA PARAMETERS TO ENHANCE EFFICIENCY AND MAINTAIN ANTENNA SIZE COMPACTNESS
5000-0076-01 -C	US	Utility: Non-Provisional	11/421,878	7834813	2010-11-16	2006-06-02	Issued	METHODS AND APPARATUSES FOR ADAPTIVELY CONTROLLING ANTENNA PARAMETERS TO ENHANCE EFFICIENCY AND MAINTAIN ANTENNA SIZE COMPACTNESS
5000-0076-02 -C	US	Utility: Non-Provisional	11/623,307	8000737	2011-08-16	2007-01-15	Issued	METHODS AND APPARATUSES FOR ADAPTIVELY CONTROLLING ANTENNA PARAMETERS TO ENHANCE EFFICIENCY AND MAINTAIN ANTENNA SIZE COMPACTNESS
5000-0076-04 -C	US	Utility: Non-Provisional	13/646,012			2012-10-05	Published	METHODS AND APPARATUSES FOR ADAPTIVELY CONTROLLING ANTENNA PARAMETERS TO ENHANCE EFFICIENCY AND MAINTAIN ANTENNA SIZE COMPACTNESS
5000-0078 -C	US	Utility: Non-Provisional	11/678,964	7869783	2011-01-11	2007-02-26	Issued	EXTENDED SMART ANTENNA SYSTEM
5000-0079-01 -C	US	Utility: Non-Provisional	11/627,371	7667659	2010-02-23	2007-01-25	Issued	ANTENNA SYSTEM FOR RECEIVING DIGITAL VIDEO BROADCAST SIGNALS
5000-0080 -C	US	Utility: Non-Provisional	11/627,357	7616163	2009-11-10	2007-01-25	Issued	MULTIBAND TUNABLE ANTENNA
5000-0081 -C	US	Utility: Non-Provisional	11/971,573	8018983	2011-09-13	2008-01-09	Issued	TUNABLE DIVERSITY ANTENNA FOR USE WITH FREQUENCY HOPPING COMMUNICATIONS PROTOCOL
5000-0082 -C	US	Utility: Non-Provisional	12/028,833	8165315	2012-04-24	2008-02-10	Issued	MULTICHANNEL WIRELESS SYSTEM
5000-0083 -C	US	Utility: Non-Provisional	12/055,259	7804458	2010-09-28	2008-03-25	Issued	SLOT ANTENNA

5000-0148-B	US	Utility: Non-Provisional	14/257,592			2014-04-21	Published	ANTENNA STRUCTURES AND METHODS THEREOF FOR DETERMINING A FREQUENCY OFFSET BASED ON A SIGNAL MAGNITUDE MEASUREMENT
5000-0152-C	US	Utility: Non-Provisional	14/467,915	9362619	2016-06-07	2014-08-25	Issued	ANTENNA STRUCTURES AND METHODS THEREOF FOR ADJUSTING AN OPERATING FREQUENCY RANGE OF AN ANTENNA
5000-0153-B	US	Utility: Non-Provisional	14/449,498	9368869	2016-06-14	2014-08-01	Issued	ANTENNA STRUCTURES AND METHODS
5000-0153-01-B	US	Utility: Non-Provisional	15/155,193			2016-05-16	Published	ANTENNA STRUCTURES AND METHODS
5000-0156-B	US	Utility: Non-Provisional	14/516,647			2014-10-17	Published	ANTENNA STRUCTURES AND METHODS THEREOF FOR SELECTING ANTENNA CONFIGURATIONS
5000-0159-B	US	Utility: Non-Provisional	14/472,551	9444139	2016-09-13	2014-08-29	Issued	ANTENNA STRUCTURES AND METHODS THEREOF FOR CONFIGURING AN ANTENNA STRUCTURE OF A COMMUNICATION DEVICE IN TRANSIT
5000-0166-C	US	Utility: Non-Provisional	14/471,604	9478856	2016-10-25	2014-08-28	Issued	METHODS AND APPARATUS FOR SELECTING A COMMUNICATION NODE BY EXCHANGING MESSAGES
5000-0167-C	US	Utility: Non-Provisional	14/471,567	9496609	2016-11-15	2014-08-28	Issued	METHODS AND APPARATUS FOR SELECTING A COMMUNICATION NODE BY MONITORING SIGNALS
5000-0168-C	US	Utility: Non-Provisional	14/307,857	9413065	2016-08-09	2014-06-18	Issued	ANTENNA STRUCTURES AND METHODS THEREOF THAT HAVE A COMMON OPERATING FREQUENCY RANGE
5000-0169-C	US	Utility: Non-Provisional	14/338,090	9692124	2017-06-27	2014-07-22	Issued	ANTENNA STRUCTURES AND METHODS THEREOF THAT HAVE DISPARATE OPERATING FREQUENCY RANGES
5000-0171-C	US	Utility: Non-Provisional	14/338,099	9680220	2017-06-13	2014-07-22	Issued	METHOD AND APPARATUS FOR TRANSITIONING BETWEEN CELL SITES
5000-0189-B	US	Utility: Non-Provisional	14/263,621			2014-04-28	Published	ANTENNA WITH RADIATOR FIXED BY FUSION, AND MANUFACTURING METHOD THEREOF
5000-0192-C	US	Utility: Non-Provisional	14/285,262	9627753	2017-04-18	2014-05-22	Issued	ANTENNA STRUCTURES AND METHODS THEREOF
5000-0197-B	US	Utility: Non-Provisional	14/568,801			2014-12-12	Published	MULTIBAND ANTENNA STRUCTURE
5000-TM01	US	Trademark	77464016	3549671	2008-12-23	2008-05-02	Issued	Word Mark for IMAT
5000-TM15	US	Trademark	85877671	4446857	2013-12-10	2013-03-15	Issued	Word Mark for SkyCross
5000-TM15-MP	WO	Trademark		1180129	2013-09-16		Issued	Word Mark for SkyCross
5000-0053-01-C	US	Utility: Non-Provisional	11/157,154	7,436,360	2008-10-14	2005-06-20	Issued	ULTRA-WIDE BAND MONOPOLE ANTENNA