

PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Harris Corporation	01/07/2013

RECEIVING PARTY DATA

Name:	North South Holdings Inc.
Street Address:	63 Roebling Street
Internal Address:	#6B
City:	Brooklyn
State/Country:	NEW YORK
Postal Code:	11211

PROPERTY NUMBERS Total: 222

Property Type	Number
Patent Number:	5363401
Patent Number:	5390364
Patent Number:	5425060
Patent Number:	5463656
Patent Number:	5477210
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Patent Number:	7646263
Patent Number:	7671699
Patent Number:	7770087
Patent Number:	7894512
Patent Number:	7088308
Patent Number:	7254186

CORRESPONDENCE DATA

**PATENT**  
**REEL: 030119 FRAME: 0810**

Fax Number: 6176468646  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
Phone: 617-646-8000  
Email: sappleton@wolfgreenfield.com  
Correspondent Name: Edmund J. Walsh  
Address Line 1: Wolf, Greenfield & Sacks, P.C.  
Address Line 2: 600 Atlantic Avenue  
Address Line 4: Boston, MASSACHUSETTS 02210

ATTORNEY DOCKET NUMBER:	N0537.90003US00
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NAME OF SUBMITTER:	Stacey L. Appleton
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## ASSIGNMENT OF PATENT RIGHTS

This ASSIGNMENT OF PATENT RIGHTS (the "Assignment") is executed, acknowledged and delivered by Harris Corporation, a Delaware Corporation, having an address at 1025 West NASA Boulevard, Melbourne, Florida 32919 ("Assignor"), to North South Holdings Inc. ("Assignee") in accordance with, and pursuant to the terms and conditions of a Patent Purchase Agreement between the parties (the "Agreement"). Capitalized terms used herein and not expressly defined shall have the meaning ascribed to such terms in the Agreement.

"Listed Patents" means the patents listed on Exhibit A.

"Patents" means, all (a) Listed Patents; (b) patents or patent applications to which any of the Listed Patents claims priority; (c) patents or patent applications which claim priority to any of the Listed Patents; (d) patents which are subject to a terminal disclaimer regarding any of the Listed Patents; (e) reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, requests for continuing examinations, divisions, and registrations of any item in any of the foregoing categories (a) through (d); (f) national (of any country of origin) and multinational patents, patent applications and counterparts claiming priority to any item in any of the foregoing categories (a) through (e), including, without limitation, certificates of invention and utility models; and (g) rights provided by multinational treaties or conventions for any item in any of the foregoing categories (a) through (f).

### NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

For good and valuable consideration received pursuant to the agreement, the receipt and sufficiency of which is hereby acknowledged, Assignor agrees to and does hereby irrevocably sell, assign, transfer and convey unto said Assignee, and Assignee hereby accepts, all of Assignor's right, title, and interest (i) in and to the Patents, the same to be held and enjoyed by said Assignee for its own use, and for the use of its successors, assigns, or other legal representatives to the end of the term or terms for which said Patents may be granted as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment had not been made; (ii) in and to causes of action and enforcement rights for the Patents including all rights to pursue damages, injunctive relief and other remedies for past and future infringement of the Patents. Assignor also hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents or certificates of invention which may be granted upon any of the Patents in the name of Assignee, as the assignee to the entire interest therein.

Notwithstanding anything to the contrary herein, Assignor is executing and delivering this Assignment in accordance with and subject to all of the terms and provisions of the Agreement. In the event of any conflict between the terms of this Assignment and those of the Agreement, the terms of the Agreement shall be controlling.

This Assignment shall be binding upon and shall inure to the benefit of the parties and their respective successors and assigns.

This Assignment shall be governed by, and construed in accordance with, the laws of the United States in respect to patent issues and in all other respects by the laws of the State of New York, without giving effect to the conflict of laws rules thereof.

IN WITNESS WHEREOF, Assignor has caused this Assignment to be executed as of this 9th day of January, 2013.

**ASSIGNOR:**

Harris Corporation

By: Mitch Ewald

Name: Mitch Ewald

Title: Chief IP Counsel

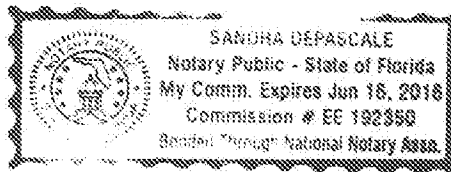
**NOTARIZATION MUST BE ON THIS PAGE**

Subscribed and sworn to before me this 7th day of January, 2013.  
Personally sworn

(Notarial Seal)

Signature: Sandra Depascale

Notary Public



**EXHIBIT A**  
**LISTED PATENTS**

<b>Filing Date</b>	<b>Appl. Number</b>	<b>Issue Date</b>	<b>Patent Number</b>	<b>Title</b>
25-Feb-1993	08/023264	08-Nov-1994	5,363,401	Mechanism for extracting hybrid (fh/ds) spread spectrum signals within multi-signal type environment
02-Nov-1992	07/970115	14-Feb-1995	5,390,364	Least-mean squares adaptive digital filter having variable size loop bandwidth
25-Jan-1993	08/008425	13-Jun-1995	5,425,060	Mechanism for reducing timing jitter in clock recovery scheme for blind acquisition of full duplex signals
29-Oct-1993	08/146289	31-Oct-1995	5,463,656	System for conducting video communications over satellite communication link with aircraft having physically compact, effectively conformal, phased array antenna
30-Apr-1993	08/322713	19-Dec-1995	5,477,210	Proximity monitoring apparatus employing encoded, sequentially generated, mutually orthogonally polarized magnetic fields
23-Nov-1994	08/346266	26-Dec-1995	5,479,425	Thermal compensation of injection laser diodes driven by shunt current modulations
23-Nov-1994	08/346267	09-Apr-1996	5,506,853	Offset stabilization of wide dynamic range injection laser diode with single bit sampling
28-Feb-1995	08/395815	27-Aug-1996	5,550,549	Transponder system and method
23-Nov-1994	08/344464	01-Oct-1996	5,560,597	Imaging unit container including bag clamping member
11-May-1994	08/241110	17-Dec-1996	5,585,675	Semiconductor die packaging tub having angularly offset pad-to-pad via structure configured to allow three-dimensional stacking and electrical interconnections among multiple identical tubs
23-Nov-1994	08/346262	22-Apr-1997	5,622,363	Sheet feeder system and method

29-Jul-1995	08/281982	06-May-1997	5,626,332	Vibration isolation system using plural signals for control
23-Nov-1994	08/346265	15-Jul-1997	5,647,584	Sheet feeder
30-Aug-1994	08/297858	15-Jul-1997	5,648,999	Remote recording device and method
30-Aug-1994	08/297849	22-Jul-1997	5,651,049	RF connected message recording device and method for a telephone system
02-Dec-1994	08/352834	19-Aug-1997	5,659,325	Low impedance loop antenna and drive circuitry
20-Sep-1995	08/530653	26-Aug-1997	5,661,459	Proximity monitoring apparatus employing encoded, sequentially generated, mutually orthogonally polarized magnetic fields
30-Aug-1994	08/297861	28-Oct-1997	5,682,069	Concentrically mounted vibration attenuator and method
03-Sep-1996	08/706909	17-Feb-1998	5,719,584	System and method for determining the geolocation of a transmitter
12-Jun-1996	08/662124	19-May-1998	5,754,944	Silent link establishment
13-May-1996	08/645098	07-Jul-1998	5,778,317	Method for allocating channels in a radio network using a genetic algorithm
19-Aug-1994	08/293654	18-Aug-1998	5,796,920	Multiprocessor system and method for identification and adaptive control of dynamic systems
25-Jun-1996	08/668665	01-Sep-1998	5,801,874	Optical scanning system having multi-pass acoustic traveling wave lens
14-Aug-1996	08/696099	15-Sep-1998	5,806,844	Imaging unit container including bag clamping member
01-Sep-1994	08/299358	09-Mar-1999	5,881,101	Burst serial tone waveform signaling method and device for squelch/wake-up control of an HF transceiver
30-Aug-1996	08/708031	09-Nov-1999	5,982,808	System and method for communicating with plural remote transmitter
16-Jan-1998	09/009008	23-Nov-1999	5,990,851	Space deployable antenna structure tensioned by hinged spreader-standoff elements distributed around inflatable hoop
09-Apr-1998	09/057676	01-Feb-2000	6,020,862	Method for making non-planar radio frequency device and device produced thereby
22-Jan-1999	09/235696	28-Mar-2000	6,043,924	Constant power density acoustic traveling wave lens
22-Jan-1999	09/235697	18-Apr-2000	6,052,215	Index-guided solid acoustic traveling wave lens

12-May-1998	09/076422	06-Jun-2000	6,072,375	Waveguide with edge grounding
08-Sep-1999	09/392134	31-Oct-2000	6,140,978	Dual band hybrid solid/dichroic antenna reflector
30-May-1997	08/866793	31-Oct-2000	6,141,557	LMDS system having cell-site diversity and adaptability
07-Apr-1998	09/056443	07-Nov-2000	6,144,692	System and method of testing for passive intermodulation in antennas
26-Dec-1995	08/587795	21-Nov-2000	6,151,339	Thermal compensation of injection laser diodes driven by shunt current modulators
30-Jul-1998	09/126672	19-Dec-2000	6,163,233	Waveguide with signal track cross-over and variable features
20-Jul-1999	09/357680	26-Dec-2000	6,166,705	Multi title-configured phased array antenna architecture
18-Feb-1998	09/025362	26-Dec-2000	6,166,774	Combining NTSC visual and aural signals with DTV signals
09-Dec-1998	09/208828	02-Jan-2001	6,169,496	Banked flight stall warning device and method
29-Oct-1998	09/182073	30-Jan-2001	6,181,296	Cast core fabrication of helically wound antenna
30-Sep-1998	09/163651	03-Apr-2001	6,211,834	Multiband ring focus antenna employing shaped-geometry main reflector and diverse-geometry shaped subreflector-feeds
22-Mar-1999	09/273599	10-Apr-2001	6,212,765	Method for removing microelectronic circuits from substrates and tool used in removal
26-Jul-1999	09/361479	22-May-2001	6,236,371	System and method for testing antenna frequency response
05-Nov-1999	09/435287	05-Jun-2001	6,243,051	Dual helical antenna for variable beam width coverage
16-Nov-1999	09/441696	05-Jun-2001	6,243,052	Low profile panel-configured helical phased array antenna with pseudo-monopulse beam-control subsystem
19-Jul-2000	09/619234	24-Jul-2001	6,266,015	Phased array antenna having stacked patch antenna element with single millimeter wavelength feed and microstrip quadrature-to-circular polarization circuit
15-Feb-2000	09/504369	07-Aug-2001	6,271,799	Antenna horn and associated methods
18-Nov-1999	09/441651	21-Aug-2001	6,278,416	Surface edge enhancement for space-deployable mesh antenna

18-Aug-1999	09/376318	04-Sep-2001	6,283,778	Circuit board mounting system and releasable connector therefor
26-Jul-1999	09/361082	18-Sep-2001	6,292,133	Array antenna with selectable scan angles
13-Dec-1999	09/459837	02-Oct-2001	6,297,764	Radar receiver having matched filter processing
09-Jul-1999	09/350482	09-Oct-2001	6,300,894	Antenna having electrically controllable radar cross-section
31-Oct-2000	09/702712	23-Oct-2001	6,307,510	Patch dipole array antenna and associated methods
11-May-2000	09/570876	23-Oct-2001	6,307,523	Antenna apparatus and associated methods
11-Jun-1999	09/330959	06-Nov-2001	6,313,811	Lightweight, compactly deployable support structure
19-Jul-2000	09/619461	20-Nov-2001	6,320,546	Phased array antenna with interconnect member for electrically connecting orthogonally positioned elements used at millimeter wavelength frequencies
14-Dec-1999	09/461176	20-Nov-2001	6,320,553	Multiple frequency reflector antenna with multiple feeds
22-Jan-1999	09/235695	20-Nov-2001	6,320,989	Stepped acoustic impedance-matching transformer for very narrow channel acoustic traveling wave lens waveguide
05-Oct-2000	09/680183	27-Nov-2001	6,323,819	Dual band multimode coaxial tracking feed
12-Mar-1999	09/267492	29-Jan-2002	6,342,870	Antenna frame structure mounting and alignment
14-Aug-2000	09/638720	05-Feb-2002	6,344,830	Phased array antenna element having flared radiating leg elements
14-Apr-2000	09/549371	05-Feb-2002	6,344,835	Compactly stowable thin continuous surface-based antenna having radial and perimeter stiffeners that deploy and maintain antenna surface in prescribed surface geometry
02-Nov-1998	09/184806	05-Mar-2002	6,353,846	Property based resource manager system
14-Aug-2000	09/638742	12-Mar-2002	6,356,240	Phased array antenna element with straight v-configuration radiating leg elements
03-Nov-1998	09/184716	19-Mar-2002	6,359,897	Control system for controlling the processing data of a first in first out memory and method therefor

17-Dec-1998	09/213641	14-May-2002	6,389,036	Airlink transport container
19-May-1998	09/081287	25-Jun-2002	6,411,612	Selective modification of antenna directivity pattern to adaptively cancel co-channel interference in TDMA cellular communication system
29-Nov-2000	09/727301	09-Jul-2002	6,417,730	Automatic gain control system and related method
31-Jul-2001	09/919449	09-Jul-2002	6,417,813	Feedthrough lens antenna and associated methods
06-Apr-2001	09/827475	09-Jul-2002	6,417,818	Tensioned cord/tie-attachment of antenna reflector to inflatable radial truss support structure
19-Jul-2000	09/619591	16-Jul-2002	6,421,012	Phased array antenna having patch antenna elements with enhanced parasitic antenna element performance at millimeter wavelength radio frequency signals
19-Sep-2000	09/666008	16-Jul-2002	6,421,022	Dual band hybrid solid/dichroic antenna reflector
11-Dec-2000	09/735396	16-Jul-2002	6,421,023	Phase shifter and associated method for impedance matching
23-Mar-2000	09/533447	16-Jul-2002	6,421,180	Apparatus for generating a laser pattern on a photomask and associated methods
04-May-2001	09/849111	06-Aug-2002	6,429,816	Spatially orthogonal signal distribution and support architecture for multi-beam phased array antenna
30-Mar-2000	09/539630	27-Aug-2002	6,441,801	Deployable antenna using screw motion-based control of tensegrity support architecture
18-Jan-2000	09/484734	03-Sep-2002	6,445,964	Virtual reality simulation-based training of telekinogenesis system for training sequential kinematic behavior of automated kinematic machine
28-Jun-2001	09/893013	17-Sep-2002	6,452,567	Geared antenna aiming system and method
28-Jun-2001	09/893010	24-Sep-2002	6,456,258	Spring loaded antenna mounting system and method
06-Mar-2000	09/519140	29-Oct-2002	6,472,748	System and method for providing MMIC seal

28-Jun-2001	09/892709	19-Nov-2002	6,483,464	Patch dipole array antenna including a feed line organizer body and related methods
29-Jun-2001	09/896167	26-Nov-2002	6,487,324	Stepped acoustic impedance-matching transformer for very narrow channel acoustic traveling wave lens waveguide
30-Nov-2001	09/998703	10-Dec-2002	6,492,903	Multiple input-type and multiple signal processing-type device and related methods
17-Oct-2000	09/690597	31-Dec-2002	6,501,437	Three dimensional antenna configured of shaped flex circuit electromagnetically coupled to transmission line feed
07-Mar-2001	09/801084	01-Apr-2003	6,542,277	Optically amplified back-up receiver
12-Nov-1999	09/439971	15-Apr-2003	6,549,562	Method and system of generating a modulated chirp signal
17-Jan-2002	10/052288	22-Apr-2003	6,552,687	Enhanced bandwidth single layer current sheet antenna
02-Apr-2001	09/825134	13-May-2003	6,563,472	Reflector antenna having varying reflectivity surface that provides selective sidelobe reduction
27-Jun-2002	10/184315	28-Oct-2003	6,639,462	Digital AM transmitter having tracking power supply compensation
29-Jun-2001	09/893432	04-Nov-2003	6,643,277	Frequency re-use for point to multipoint applications
12-Sep-2001	09/952456	13-Jan-2004	6,678,082	Electro-optical component including a fluorinated poly (phenylene ether ketone) protective coating and related methods
29-Jun-2001	09/893430	20-Jan-2004	6,681,122	System and method for selectively enabling transmit/receive modes of a radio transceiver
06-Jun-2002	10/162660	03-Feb-2004	6,686,891	System and method for a center fed reflector feed for a parabolic antenna
14-Nov-2001	09/990792	17-Feb-2004	6,694,083	Device including a fiber optic cable harness and associated methods
29-Aug-2002	10/231933	24-Feb-2004	6,697,028	Multi-band ring focus dual reflector antenna system
15-May-2002	10/146227	06-Apr-2004	6,717,549	Dual-polarized, stub-tuned proximity-fed stacked patch antenna



10-Oct-2002	10/268812	13-Apr-2004	6,721,182	Circuit card module including mezzanine card heat sink and related methods
01-May-2002	10/136673	18-May-2004	6,738,018	All digital phased array using space/time cascaded processing
19-Jun-2000	09/596490	15-Jun-2004	6,751,266	RF transmitter employing linear and non-linear pre-correctors
26-Mar-2003	10/397114	03-Aug-2004	6,770,159	Method of fabricating an RF substrate with selected electrical properties
17-Jan-2002	10/052406	03-Aug-2004	6,771,221	Enhanced bandwidth dual layer current sheet antenna
12-Apr-1999	09/290467	03-Aug-2004	6,771,698	System and method for testing antenna gain
03-Jun-2002	10/158924	02-Nov-2004	6,812,807	Tracking feed for multi-band operation
03-May-2002	10/138855	02-Nov-2004	6,812,906	Broadband quadifilar helix with high peak gain on the horizon
03-Dec-2002	10/308424	23-Nov-2004	6,822,616	Multi-layer capacitive coupling in phased array antennas
20-Jan-2000	09/488313	23-Nov-2004	6,823,031	Automated frequency compensation for remote synchronization
09-Nov-2001	09/991559	30-Nov-2004	6,824,307	Temperature sensor and related methods
17-Mar-2000	09/527194	01-Feb-2005	6,850,553	Chirp slope multiple access
15-Feb-2002	10/075387	08-Feb-2005	6,853,343	Polarization plate
06-Oct-2003	10/679767	15-Feb-2005	6,856,216	Sample-and-hold phase shifter control voltage distribution in a phased array utilizing voltage-controlled phase shift devices
17-Jan-2003	10/348542	22-Feb-2005	6,859,098	Apparatus, methods and articles of manufacture for control in an electromagnetic processor
02-Jan-2003	10/334786	22-Feb-2005	6,859,118	System and method for an ultra low noise micro-wave coaxial resonator oscillator using 5/8ths wavelength resonator
11-Jun-2003	10/458851	22-Feb-2005	6,859,185	Antenna assembly decoupling positioners and associated methods
25-Jun-2003	10/603847	01-Mar-2005	6,861,975	Chirp-based method and apparatus for performing distributed network phase calibration across phased array antenna

11-Mar-2002	10/095193	01-Mar-2005	6,862,639	Computer system including a receiver interface circuit with a scatter pointer queue and related methods
31-Jan-2000	09/494901	01-Mar-2005	6,862,708	Extensible device command commutation engine for formatting device commands for the controls of devices
28-Jun-2002	10/183488	15-Mar-2005	6,868,067	Hybrid agent-oriented object model to provide software fault tolerance between distributed processor nodes
16-Jun-2003	10/462552	22-Mar-2005	6,870,658	Energy limiter for amplitude modulated RF waveforms
15-May-2003	10/438435	05-Apr-2005	6,876,274	Variable phase delay by modifying a fluidic dielectric
07-Aug-2003	10/637027	12-Apr-2005	6,879,297	Dynamically changing operational band of an electromagnetic horn antenna using dielectric loading
16-Oct-2003	10/685985	12-Apr-2005	6,879,298	Multi-band horn antenna using corrugations having frequency selective surfaces
11-Jul-2002	10/193461	26-Apr-2005	6,885,355	Spatial filtering surface operative with antenna aperture for modifying aperture electric field
26-Aug-1998	09/140151	03-May-2005	6,888,442	Substrate/document authentication using randomly dispersed dielectric components
14-Nov-2002	10/294430	10-May-2005	6,891,432	Apparatus, methods and articles of manufacture for electromagnetic processing
06-Oct-2003	10/679608	17-May-2005	6,894,550	Phase shifter control voltage distribution in a phased array utilizing voltage-proportional phase shift devices
27-Dec-2002	10/330761	17-May-2005	6,894,579	Circulators and isolators with variable operating regions
07-Feb-2003	10/360330	17-May-2005	6,894,582	Microwave device having a slotted coaxial cable-to-microstrip connection and related methods
18-Feb-2003	10/369436	17-May-2005	6,894,652	Dielectric lens with changeable focal length using fluidic dielectrics
11-Jul-2002	10/193338	31-May-2005	6,900,763	Antenna system with spatial filtering surface

02-Apr-2001	09/825132	31-May-2005	6,901,123	Multi-panel phased array antenna, employing combined baseband decision driven carrier demodulation
04-Jun-2003	10/454698	07-Jun-2005	6,903,619	Electromagnetic wave transmitter systems, methods and articles of manufacture
06-Nov-2003	10/702848	07-Jun-2005	6,903,703	Multiband radially distributed phased array antenna with a sloping ground plane and associated methods
20-Jan-2004	10/760990	14-Jun-2005	6,906,560	Phase-continuous frequency synthesizer
12-Nov-2003	10/706150	14-Jun-2005	6,906,676	FSS feeding network for a multi-band compact horn
30-Jun-2003	10/609968	21-Jun-2005	6,909,599	Vibration tolerant electronic assembly and related methods
19-Jun-2003	10/465074	28-Jun-2005	6,911,941	Dielectric substrate with selectively controlled effective permittivity and loss tangent
07-Nov-2003	10/703253	28-Jun-2005	6,911,953	Multi-band ring focus antenna system with co-located main reflectors
09-Nov-2004	10/984638	05-Jul-2005	6,914,553	Synthetic aperture radar (SAR) compensating for ionospheric distortion based upon measurement of the Faraday rotation, and associated methods
08-Apr-2002	10/118272	12-Jul-2005	6,917,500	Hybrid relay including solid-state output and having non-volatile state-retention and associated methods
08-Apr-2002	10/118271	12-Jul-2005	6,918,068	Fault-tolerant communications system and associated methods
09-Nov-2004	10/984474	19-Jul-2005	6,919,839	Synthetic aperture radar (SAR) compensating for ionospheric distortion based upon measurement of the group delay, and associated methods
25-Aug-2003	10/647764	09-Aug-2005	6,927,745	Frequency selective surfaces and phased array antennas using fluidic dielectrics
19-Nov-2002	10/300456	16-Aug-2005	6,930,568	RF delay lines with variable composition fluidic dielectric
17-Nov-2003	10/713107	16-Aug-2005	6,931,362	System and method for hybrid minimum mean squared error matrix-pencil separation weights for blind source separation

02-Oct-2001	09/968828	23-Aug-2005	6,933,933	Pen cartridge that transmits acceleration signal for recreating handwritten signatures and communications
02-Apr-2003	10/405792	30-Aug-2005	6,937,120	Conductor-within-a-via microwave launch
07-Nov-2003	10/703257	30-Aug-2005	6,937,201	Multi-band coaxial ring-focus antenna with co-located subreflectors
19-Sep-2003	10/665004	06-Sep-2005	6,940,462	Broadband dipole antenna to be worn by a user and associated methods
06-Nov-2003	10/702853	18-Oct-2005	6,956,532	Multiband radially distributed phased array antenna with a stepped ground plane and associated methods
21-Apr-2004	10/829095	25-Oct-2005	6,958,738	Reflector antenna system including a phased array antenna having a feed-through zone and related methods
21-Apr-2004	10/828585	15-Nov-2005	6,965,355	Reflector antenna system including a phased array antenna operable in multiple modes and related methods
05-Apr-2004	10/816947	29-Nov-2005	6,970,138	Polarization plate
26-Feb-2004	10/787963	13-Dec-2005	6,975,268	Phased array antenna including a distributed phase calibrator and associated method
30-May-2003	10/448973	13-Dec-2005	6,975,279	Efficient radome structures of variable geometry
27-Oct-2003	10/694469	03-Jan-2006	6,982,679	Coaxial horn antenna system
26-Sep-2003	10/672583	03-Jan-2006	6,983,198	Onboard satellite processing to mitigate data recorder limits
16-Apr-2003	10/414696	10-Jan-2006	6,985,047	Continuously tunable waveguide attenuator
07-Jul-2003	10/614626	10-Jan-2006	6,985,118	Multi-band horn antenna using frequency selective surfaces
05-May-2004	10/839835	17-Jan-2006	6,987,392	Electromagnetic protection test and surveillance system
29-Apr-2005	11/118445	31-Jan-2006	6,992,636	Dielectric substrate with selectively controlled effective permittivity and loss tangent
19-Dec-2003	10/739021	31-Jan-2006	6,993,440	System and method for waveform classification and characterization using multidimensional higher-order statistics

19-Dec-2003	10/739022	31-Jan-2006	6,993,460	Method and system for tracking eigenvalues of matrix pencils for signal enumeration
21-Apr-2004	10/828690	14-Feb-2006	6,999,044	Reflector antenna system including a phased array antenna operable in multiple modes and related methods
15-May-2003	10/439094	28-Feb-2006	7,006,052	Passive magnetic radome
04-Aug-2003	10/633929	07-Mar-2006	7,009,570	Phased array antenna absorber and associated methods
12-May-2003	10/435387	07-Mar-2006	7,009,571	Method and apparatus for forming symmetrical energy patterns in beam forming antennas
20-Jan-2004	10/761046	14-Mar-2006	7,012,453	Phase continuous synthesizer with phase coasting and associated methods
06-Jun-2005	11/145843	28-Mar-2006	7,018,216	Coaxial connector for circuit boards
20-Jan-2004	10/761014	04-Apr-2006	7,023,378	Self-calibrating wideband phase continuous synthesizer and associated methods
08-Aug-2003	10/637409	04-Apr-2006	7,023,384	Beam steering with a periodic resonance structure
03-Sep-2003	10/654153	18-Apr-2006	7,030,834	Active magnetic radome
18-Mar-2002	10/098470	25-Apr-2006	7,036,065	ARQ combining holdoff system and method
29-Jun-1999	9/342768	06-Jun-2006	7,058,359	LMDS system with equal power to subscriber locations
31-Jul-2003	10/631271	18-Jul-2006	7,079,260	Optical profile determining apparatus and associated methods including the use of a plurality of wavelengths in the reference beam and a plurality of wavelengths in a reflective transit beam
08-Oct-2003	10/681712	08-Aug-2006	7,088,308	Feedback and control system for radomes
01-Feb-2005	11/048214	29-Aug-2006	7,097,460	Coaxial connector
20-Apr-2005	11/110388	05-Sep-2006	7,102,588	Antenna system including swing arm and associated methods
12-Nov-2004	10/987061	12-Sep-2006	7,104,515	Flexure elastomer antenna isolation system
01-Jul-2004	10/883319	12-Dec-2006	7,148,459	Photon energized cavity and system
16-Dec-2004	11/013841	26-Dec-2006	7,154,329	Method and apparatus for compensating amplifier output for temperature and process variations

08-Mar-2005	11/074532	26-Dec-2006	7,155,071	Device for Mach-Zehnder modulator bias control for duobinary optical transmission and associated system and method
03-Jun-2002	10/158923	02-Jan-2007	7,158,588	System and method for obtaining accurate symbol rate and carrier phase, frequency, and timing acquisition for minimum shift keyed waveform
21-Jun-2005	11/159434	06-Feb-2007	7,173,577	Frequency selective surfaces and phased array antennas using fluidic dielectrics
16-Jun-2003	10/462559	20-Mar-2007	7,194,025	Updating adaptive equalizer coefficients using known or predictable bit patterns distributed among unknown data
17-Jan-06	11/332902	27-Mar-07	7,195,511	Cable strain relief
26-Apr-2005	11/114492	26-Jun-2007	7,236,679	Optical microresonator coupling system and associated method
25-Mar-2003	10/396251	17-Jul-2007	7,245,183	Apparatus, methods and articles of manufacture for processing an electromagnetic wave
22-Jul-2003	10/624312	07-Aug-2007	7,254,186	Electromagnetic wave transmitter, receiver and transceiver systems, methods and articles of manufacture
25-Aug-2003	10/647617	07-Aug-2007	7,254,195	Apparatus, methods and articles of manufacture for dynamic differential delay correction
24-Jul-2006	11/491684	02-Oct-2007	7,277,623	Equal duty cycle frequency divider
28-Jun-2002	10/183383	23-Oct-2007	7,286,497	Look up table for QRT
04-Dec-2002	10/309518	20-Nov-2007	7,298,854	Apparatus, methods and articles of manufacture for noise reduction in electromagnetic signal processing
22-Oct-2003	10/691325	27-Nov-2007	7,299,589	Telescoping boom actuation mechanism formed of concentrically nested tubular boom sections mutually engaged by roller assemblies riding on helical tracks
08-Mar-2005	11/074985	27-Nov-2007	7,302,185	Device and method for millimeter wave detection and block conversion
20-Jul-2005	11/185953	11-Dec-2007	7,307,570	Method and apparatus to emulate a filter
28-Jun-2002	10/183486	25-Dec-2007	7,313,154	TDD frame format
15-May-2006	11/434329	08-Jan-2008	7,317,412	Techniques for biasing a radio frequency digital to analog converter

11-Jul-2006	11/484517	29-Jan-2008	7,322,843	Cam activated circuit card clamp
14-Feb-2005	11/058500	26-Feb-2008	7,335,892	High energy photon detector and power source with MEMS switch
12-May-2006	11/382944	26-Feb-2008	7,336,242	Antenna system including transverse swing arms and associated methods
17-Aug-2005	11/205384	04-Mar-2008	7,339,340	Control system and related method for multi-limbed, multi-legged robot
31-May-2005	11/141796	18-Mar-2008	7,345,534	Efficient power amplification system
06-Feb-2004	10/772441	18-Mar-2008	7,346,133	Automated frequency compensation for remote synchronization
11-Jan-2007	11/622012	08-Apr-2008	7,353,592	Method of fabricating an RF substrate with selected electrical properties
01-Dec-2005	11/291317	15-Apr-2008	7,358,921	Dual polarization antenna and associated methods
03-Feb-2006	11/347128	13-May-2008	7,370,566	Complimentary retrograde/prograde satellite constellation
29-Jun-2001	09/893440	27-May-2008	7,379,304	Hub IDU card insert panel and method
16-Dec-2005	11/303345	05-Aug-2008	7,408,520	Single polarization slot antenna array with inter-element capacitive coupling plate and associated methods
29-Aug-2007	11/846616	04-Nov-2008	7,447,276	Receiver and method for blind adaptive thresholding using noise estimator
06-Jul-2006	11/428947	11-Nov-2008	7,449,987	Transformer and associated method of making
28-Jun-2002	10/183492	02-Dec-2008	7,460,551	Data-driven interface control circuit
09-Nov-2006	11/594734	02-Dec-2008	7,460,618	System and method for obtaining accurate symbol rate and carrier phase, frequency, and timing acquisition for minimum shift keyed waveform
14-Nov-2002	10/294358	28-Apr-2009	7,526,260	Apparatus, methods and articles of manufacture for linear signal modification
05-Aug-2005	11/198058	05-May-2009	7,529,194	Auto-synchronization of format definitions in a commutation/de-commutation system
13-Mar-2006	11/374512	26-May-2009	7,539,251	Communications system with selective baseband pilot injected carrier (BPIC) and input data modulation and related methods

13-Mar-2006	11/374592	26-May-2009	7,539,252	Communications system with baseband pilot injected carrier (BPIC) modulation/demodulation and frame recovery and related methods
03-Dec-2002	10/308593	09-Jun-2009	7,545,865	Apparatus, methods and articles of manufacture for wideband signal processing
22-Jul-2005	11/187150	27-Oct-2009	7,610,023	Voltage controlled oscillator band switching system
24-May-2004	10/851066	12-Jan-2010	7,646,263	Tracking feed for multi-band operation
14-Aug-2007	11/838856	02-Mar-2010	7,671,699	Coupler
19-Jan-2007	11/624904	03-Aug-2010	7,770,087	Serial concatenated convolutional code decoder
31-Jul-2007	11/830881	22-Feb-2011	7,894,512	System and method for automatic recovery and covariance adjustment in linear filters