

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Mobile Satellite Ventures, LP	06/16/2005
RECEIVING PARTY DATA	
Name:	ATC Technologies, LLC
Street Address:	10802 Parkridge Boulevard
City:	Reston
State/Country:	VIRGINIA
Postal Code:	20191
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12604994
CORRESPONDENCE DATA	
Fax Number:	(919)854-1401
Phone:	919-854-1400
Email:	sfreedman@myersbigel.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	Susan E. Freedman/MBSS
Address Line 1:	4140 Parklake Avenue
Address Line 2:	Suite 600
Address Line 4:	Raleigh, NORTH CAROLINA 27612
ATTORNEY DOCKET NUMBER:	9301-2IP2CT
NAME OF SUBMITTER:	Susan E. Freedman

Total Attachments: 14
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ASSIGNMENT

THIS ASSIGNMENT, made by **Mobile Satellite Ventures, LP**, a Delaware limited partnership, having a principal place of business at Reston, County of Fairfax, State of Virginia, hereinafter referred to as assignor;

WITNESSETH: That,

WHEREAS the above named limited partnership is the owner of the entire right, title, and interest in and to the U.S. patents and patent applications set forth in Schedule A attached hereto, and all rights therein provided by international conventions or treaties, and the inventions disclosed and claimed therein, and any applications that rely on one or more of the patents and patent applications set forth in Schedule A for priority, including with respect to all of the foregoing, any and all divisionals, continuations, continued prosecution applications, continuations-in-part, reissues, reexaminations thereof as well as foreign counterparts thereof, together with all patents issuing on any of the aforesaid applications for a patent (collectively the "Patents and Applications");

WHEREAS **ATC Technologies, LLC**, a Delaware limited liability corporation, having its principal place of business at Reston, County of Fairfax, State of Virginia, hereinafter referred to as assignee, is desirous of acquiring the assignor's entire right, title, and interest in and to said Patents and Applications;

NOW, THEREFORE, To All Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the above assignor has sold and by these presents does hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, its entire right, title, and interest in and to said Patents and Applications, for the full end of the term for which said Patents and Applications may be granted along with any term extensions thereon or therefor, together with the right to claim the priority of said application in all foreign countries in accordance with the international conventions or treaties, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by assignor if this assignment and sale had not been made.

The assignor further covenants and agrees that, at the time of the execution and delivery of these presents, it possesses full title to said Patents and Applications, and that it has the unencumbered right and authority to make this assignment.

The assignor further covenants and agrees to promptly communicate to said assignee or its representatives any facts known to the assignor relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said Patents and Applications.

IN WITNESS WHEREOF, the assignor has caused this assignment to be executed this 16th day of JUNE, 2005.

By: *Alexander H. Good* (SEAL)
Alexander H. Good
Vice Chairman and CEO
Mobile Satellite Ventures, LP

STATE OF VIRGINIA)
) ss:
COUNTY OF FAIRFAX)

Before me personally appeared Alexander H. Good, to me known to be the person described in and who executed the foregoing instrument, and she acknowledged to me that she executed the same for the purposes therein stated, this 16th day of JUNE, 2005.

Maury J. Harrington
Notary Public

(SEAL)

My Commission Expires: My Commission Expires December 31, 2006

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In re:	Serial No.:	Filed	Title:	Assignment Recorded:	Reel:	Frame:	Atty. Dkt. No.
Karabinis	10/074,097	02/12/2002	Systems and Methods for Terrestrial Reuse of Cellular Satellite Frequency Spectrum	02/12/2002	012592	0569	9301-2
Karabinis	10/730,660	12/08/2003	Systems and Methods for Terrestrial Reuse of Cellular Satellite Frequency Spectrum in a Time-Division Duplex Mode	12/08/2003	014785	0295	9301-2IP
Karabinis et al.	11/021,077	12/23/2004	Systems and Methods for Terrestrial Reuse of Cellular Satellite Frequency Spectrum in a Time-Division Duplex and/or Frequency-Division Duplex Mode	03/18/2005	015920	0498	9301-2IP2
Karabinis	60/356,264	02/12/2002	Wireless Communications Systems and Methods Using Satellite-Linked Remote Terminal Interface Subsystems	02/12/2002	012592	0780	9301-3PR
Karabinis	10/151,567	05/20/2002	Wireless Communications Systems and Methods Using Satellite-Linked Remote Terminal Interface Subsystems	05/20/2002	012919	0244	9301-3
Karabinis	60/347,173	01/09/2002	Spatial Guardbands for Terrestrial Reuse of Satellite Frequencies	01/09/2002	012470	0351	9301-4PR
Karabinis	10/180,281	06/26/2002	Spatial Guardbands for Terrestrial Reuse of Satellite Frequencies	06/26/2002	013061	0695	9301-4
Karabinis	60/347,174	01/09/2002	Systems and Methods for Monitoring Terrestrial-Reused Satellite Frequencies to Reduce Interference	01/09/2002	012470	0354	9301-5PR
Karabinis et al.	10/156,363	05/28/2002	Systems and Methods for Monitoring Terrestrial Reused Satellite Frequencies To Reduce Potential Interference	05/28/2002	012944	0956	9301-5
Karabinis et al.	60/392,754	07/01/2002	Additional Systems and Methods For Monitoring Terrestrial Reused Satellite Frequencies To Reduce Potential Interference	07/01/2002	013108	0211	9301-5IPPR
Karabinis et al.	10/225,616	08/22/2002	Additional Systems and Methods For Monitoring Terrestrial Reused Satellite Frequencies To Reduce Potential Interference	08/22/2002	013220	0625	9301-5IP
Karabinis	60/383,688	05/28/2002	Systems and Methods For Reducing Satellite Feeder Link Bandwidth In Satellite Cellular Systems	05/28/2002	012943	0774	9301-6PR
Karabinis	10/328,062	12/23/2002	Systems and Methods for Reducing Satellite Feeder Link Bandwidth/Carriers in Cellular Satellite Systems	12/23/2002	013646	0851	9301-6
Karabinis	60/388,087	06/12/2002	Multi-Band/Multi-Mode Satellite Radiotelephone Communications and Systems	06/12/2002	012999	0419	9301-7PR

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In re:	Serial No.:	Filed	Title:	Assignment Recorded:	Reel:	Frame:	Atty. Dkt. No.
Karabinis	60/225,613	08/22/2002	Multi-Band/Multi-Mode Satellite Radiotelephone Communications Systems and Methods	08/22/2002	013220	0635	9301-7
Karabinis	60/467,100	05/01/2003	Aggregate Radiated Power Control for Multi-Band/Multi-Mode Satellite Radiotelephone Communications Systems	08/11/2003	014376	0728	9301-71PPR
Karabinis	10/819,542	04/07/2004	Aggregate Radiated Power Control for Multi-Band/Multi-Mode Satellite Radiotelephone Communications Systems and Methods	04/07/2004	015192	0495	9301-71P
Henely et al.	07/237,912	08/29/1988	Differential Phase-Shift Keying Demodulator	04/05/2002	012785	0731	9301-8
Nicholas	07/245,478	09/16/1988	Method of Carrier Frequency Estimation	04/05/2002	012785	0731	9301-9
Nicholas	07/373,833	06/28/1989	Method Demodulation Using Split Delay Line	04/05/2002	012785	0731	9301-10
Dutta	07/532,283	06/01/1990	Phasal-Differential, Phase Shift-Keyed Modulation, Communications System	04/05/2002	012785	0731	9301-11
Dutta	07/954,640	09/30/1992	Adaptive Variable-Gain Phase and Frequency Locked Loop for Rapid Carrier Acquisition	04/05/2002	012785	0731	9301-12
Buck	08/022,037	02/24/1993	System for Mapping Occurrences of Predetermined Conditions in a Transport Route	04/05/2002	012785	0731	9301-13
Buck et al.	08/566,410	12/01/1995	System for Mapping Occurrences of Conditions in a Transport Route	04/05/2002	012785	0731	9301-131P
McCurrick	08/038,979	05/10/1993	MSAT Mast Antenna With Reduced Frequency Scanning	04/05/2002	012785	0731	9301-14
McCurrick	08/481,995	06/07/1995	Method of Manufacturing a Helical Antenna	04/05/2002	012785	0731	9301-14DV
O'Neill, Jr.	08/450,737	05/25/1995	Low Loss Quadrature Matching Network for Quadrifilar Helix Antenna	04/05/2002	012785	0731	9301-15CA (FWC)
Dutta	08/126,847	09/24/1993	Arrangement for an Method of Concurrent Quadrature Downconversion Input Sampling of a Bandpass Signal	04/05/2002	012785	0731	9301-16
Ross et al.	08/187,996	01/28/1994	Marine Antenna Mount	04/05/2002	012785	0731	9301-17
Ross et al.	08/408,526	03/22/1995	Mobile Communicator Systems	04/05/2002	012785	0731	9301-171P
Ross et al.	08/445,777	05/22/1995	Mobile Communicator Bracing System	04/05/2002	012785	0731	9301-171P3
Ross et al.	08/796,769	02/06/1997	Mobile Communicator System	04/05/2002	012785	0731	9301-171P3CT
Ross et al.	29/036,572	03/21/1995	Mobile Communicator Computer	04/05/2002	012785	0731	9301-18DS
Ross et al.	29/045,826	10/31/1995	Mobile Communicator Computer	04/05/2002	012785	0731	9301-18DS1P
Bedwell	09/654,453	05/28/1996	Communication Protocol for Satellite Processing	04/05/2002	012790	0802	9301.19CX
Tisdale et al.	08/563,036	11/30/1995	Fraud Detection and User Validation System for Mobile Earth Terminal Communication Device	04/05/2002	012785	0731	9301-20
Tisdale et al.	08/601,912	02/15/1996	Fraud Detection and User Validation System for Mobile Earth Terminal Communication Device	04/05/2002	012785	0731	9301-20CT
Tisdale et al.	09/024,256	02/17/1998	Fraud Detection and User Validation System for Mobile Earth Terminal Communication Device	04/05/2002	012785	0731	9301-20DV
				04/05/2002	012791	0347	

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In re:	Serial No.:	Filed	Title:	Assignment Recorded:	Reel:	Frame:	Atty. Dkt. No.
Tisdale et al.	09/468,932	12/22/1999	Fraud Detection and User Validation System for Mobile Earth Terminal Communications Device	04/05/2002	012648	0648	9301-20DVCT
Duske, Jr. et al.	09/903,809	07/13/2001	Mobile Communications Terminal for Satellite Communications System	04/05/2002	012648	0648	9301-21CT
Farrar Jr. et al.	09/100,775	06/08/1998	Mobile Communications From Computer Aided Dispatch System Via A Customer Premises Gateway for Satellite Communication System	04/05/2002 04/05/2002	012785 012791	0731 0347	9301-22
Farrar Jr. et al.	09/625,310	07/25/2000	Mobile Communications From Computer Aided Dispatch System Via a Customer Premises Gateway for Satellite Communication System	04/05/2002	012648	0648	9301-22CT
Dutta	08/724,116	09/30/1996	Methods of Dynamically Switching Return Channel Transmissions of Time-Division Multiple-Access (TDMA) Communication Systems Between Signalling Burst Transmissions and Message Transmissions	04/05/2002 04/05/2002	012785 012791	0731 0347	9301-23
Dutta	09/233,068	01/20/1999	Methods of Dynamically Switching Return Channel Transmissions of Time-Division Multiple-Access (TDMA) Communication Systems Between Signalling Burst Transmissions and Message Transmissions	04/05/2002	012785	0731	9301-23DV
Dutta	09/233,179	01/20/1999	Methods of Dynamically Switching Return Channel Transmissions of Time-Division Multiple-Access (TDMA) Communication Systems Between Signalling Burst Transmissions and Message Transmissions	04/05/2002	012785	0731	9301-23DV2
Dutta	09/233,067	01/20/1999	Methods of Dynamically Switching Return Channel Transmissions of Time-Division Multiple-Access (TDMA) Communication Systems Between Signalling Burst Transmissions and Message Transmissions	04/05/2002	012648	0648	9301-23DV3
Dutta	09/233,066	01/20/1999	Methods of Dynamically Switching Return Channel Transmissions of Time-Division Multiple-Access (TDMA) Communication Systems Between Signalling Burst Transmissions and Message Transmissions	04/05/2002	012648	0648	9301-23DV4
Dutta	08/724,115	09/30/1996	Methods of Dynamically Switching Return Channel Transmissions of Time-Division Multiple-Access (TDMA) Communication Systems Between Signalling Burst Transmissions and Message Transmissions Methods of Load Balancing and Controlling Congestion in a Combined Frequency Division and Time Division Multiple Access Communication System Using Intelligent Login Procedures and Mobile Terminal Move Commands	04/05/2002 04/05/2002	012785 012791	0731 0347	9301-24

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Dutta	09/231,089	01/14/1999	Method of Load Balancing and Controlling Congestion in a Combined Frequency Division and Time Division Multiple Access Communication System Using Intelligent Login Procedures and Mobile Terminal Move Commands	04/05/2002	012648	0648	9301-24CT
Dutta et al.	08/723,406	09/30/1996	Demand-Based Power and Data Rate Adjustments to a Transmitter to Optimize Channel Capacity and Power Usage With Respect to Data Transmission Traffic Over a Fixed-Bandwidth Channel	04/05/2002 04/05/2002	012785 012791	0731 0347	9301-25
Dutta et al.	09/358,890	07/22/1999	Demand-Based Power and Data Rate Adjustments to a Transmitter to Optimize Channel Capacity and Power Usage With Respect to Data Transmission Traffic Over A Fixed-Bandwidth Channel	04/05/2002	012648	0648	9301-25CT
Dutta	08/724,120	09/30/1996	Methods of Communicating Over Time-Division Multiple-Access (TDMA) Communication Systems With Distinct Non-Time-Critical and Time-Critical Network Management Information Transmission Rates	04/05/2002 04/05/2002	012785 012791	0731 0347	9301-26
Dutta	09/300,424	04/28/1999	Methods of Communicating Over Time-Division Multiple-Access (TDMA) Communication Systems With Distinct Non-Time-Critical and Time-Critical Network Management Information Transmission Rates	04/05/2002	012648	0648	9301-26DV
Dutta	09/300,429	04/28/1999	Methods of Communicating Over Time-Division Multiple-Access (TDMA) Communication Systems With Distinct Non-Time-Critical and Time-Critical Network Management Information Transmission Rates	04/05/2002	012648	0648	9301-26DV2
Dutta	09/300,422	04/28/1999	Methods of Communicating Over Time-Division Multiple-Access (TDMA) Communication Systems With Distinct Non-Time-Critical and Time-Critical Network Management Information Transmission Rates	04/05/2002	012648	0648	9301-26DV3
Dutta	09/300,423	04/28/1999	Methods of Communicating Over Time-Division Multiple-Access (TDMA) Communication Systems With Distinct Non-Time-Critical and Time-Critical Network Management Information Transmission Rates	04/05/2002	012648	0648	9301-26DV4

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Halverson	09/030,953	02/26/1998	Service Preemption for Mobile Terminals In a Mobile Satellite Communications System	04/05/2002	012785	0731	9301-28
Ward et al.	08/634,305	04/16/1996	Mobile Earth Terminal Communication Device Providing Voice, Data, Facsimile, and/or Roaming Communication Features	04/05/2002	012791	0347	9301-29
Ward et al.	09/124,254	07/29/1998	Mobile Earth Terminal With Roaming Capability	04/05/2002	012785	0731	9301-29IP
Ward et al.	09/917,942	07/31/2001	Mobile Earth Terminal	04/05/2002	012785	0731	9301-29IP
Pawa et al.	08/598,556	02/08/1996	Conversion System Used In Billing System for Mobile Satellite System	04/05/2002	012791	0347	9301-29IPCF
Peppers	08/691,190	08/05/1996	Call Forwarding Bypass Arrangement for Mobile Earth Terminal Communication Device Used in Mobile Satellite Communication System	04/05/2002	012648	0648	9301-30
Singh	60/253,937	11/30/2000	Coordinated Satellite-Terrestrial Frequency Reuse	08/05/1996	008156	0020	9301-33
Singh	60/222,605	08/02/2000	System and Method of Satellite-Terrestrial Frequency Reuse	05/09/2001	011787	0038	9301-35PR
Okeva et al.	60/245,194	11/03/2000	Coordinated Satellite-Terrestrial Frequency Reuse	05/09/2001	011785	0963	9301-36PR
Karabinis et al.	09/918,709	08/01/2001	Coordinated Satellite-Terrestrial Frequency Reuse	05/09/2001	011787	0044	9301-37PR
Karabinis et al.	11/7079,574	03/14/2005	Coordinated Satellite-Terrestrial Frequency Reuse	04/09/2002	012793	0929	9301-38XX
Modzelesky et al.	08/728,227	10/10/1996	Network Control Center for Satellite Communication System	04/09/2002	012793	0929	9301-38XXCCT
Threadgill et al.	08/601,749	02/15/1996	Network Engineering/Systems Engineering System for Mobile Satellite Communications System	04/05/2002	012785	0731	9301-39
Threadgill et al.	08/700,943	08/21/1996	Network Operations Center for Mobile Earth Terminal Satellite Communications System	04/05/2002	012791	0347	9301-40
Singh	60/250,461	12/04/2000	System and Method Of Satellite-Terrestrial Frequency Reuse Using Signal Blockage, Dynamic Assignment Of Frequencies and/or Switching Center/Base Station Coordinated Frequency Use	04/05/2002	012785	0731	9301-41
Karabinis et al.	10/000,799	12/04/2001	Integrated or Autonomous System and Method Of Satellite-Terrestrial Frequency Reuse Using Signal Attenuation and/or Blockage, Dynamic Assignment Of Frequencies and/or Hysteresis	05/09/2001	011787	0027	9301-43PR

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In re:	Serial No.:	Filed	Title:	Assignment Recorded:	Reel:	Frame:	Atty. Dkt. No.
Karabinis et al.	10/965,303	10/15/2004	Integrated Or Autonomous System and Method Of Satellite-Terrestrial Frequency Reuse Using Signal Attenuation and/or Blockage, Dynamic Assignment Of Frequencies and/or Hysteresis	03/22/2002	012716	0878	9301-43CT
Karabinis et al.	11/069,305	03/01/2005	Integrated Or Autonomous System and Method Of Satellite-Terrestrial Frequency Reuse Using Signal Attenuation and/or Blockage, Dynamic Assignment Of Frequencies and/or Hysteresis	03/22/2002	012716	0878	9301-43CT2
Sigler et al.	08/718,133	09/18/1996	Improved Satellite Trunked Radio Service System	09/17/2004 09/17/2004 09/17/2004 09/24/2004	015822 015915 015813 015853	0165 0008 0445 0271	9301-52
Modzelesky et al.	09/133,687	08/13/1998	Network Control Center for Satellite Communication System	04/05/2002	012648	0648	9301-53CT
Modzelesky et al.	09/796,647	03/02/2001	Network Control Center for Satellite Communication System	04/05/2002	012648	0648	9301-53CT2
Sigler et al.	09/887,691	08/29/1997	Satellite Trunked Radio Service System	09/17/2004 09/17/2004 09/17/2004 09/24/2004 04/05/2002	015822 015915 015813 015853 012648	0165 0008 0445 0271 0648	9301-54FWC
Sigler et al.	09/114,289	07/13/1998	Improved Satellite Trunked Radio Service System	04/05/2002	012648	0648	9301-54IP
Tisdale et al.	08/654,193	05/28/1996	Communication Protocol for Mobile Earth Terminal Communication Device Used in Mobile Satellite Communication System	04/05/2002	021785	0731	9301-55
Threadgill et al.	08/931,622	09/16/1997	Network Engineering/Systems Engineering System for Mobile Satellite Communication	04/05/2002 04/05/2002	012785 012791	0731 0347	9301-56CT
Threadgill et al.	09/918,550	08/01/2001	Network Engineering/Systems Engineering System for Mobile Satellite Communication	04/05/2002	012648	0648	9301-56CT2
Threadgill et al.	09/007,172	01/14/1998	Network Engineering/Systems Engineering System for Mobile Satellite Communication	04/05/2002	012785	0731	9301-56IP
Threadgill et al.	09/267,800	03/15/1999	Network Operations Center for Mobile Earth Terminal Satellite Communication System	04/05/2002	012785	0731	9301-57CT
Sweet et al.	08/751,807	11/19/1996	Full Service Dispatcher for Satellite Trunked Radio Service System	04/05/2002	012785	0731	9301-58
Garner et al.	08/923,534	09/04/1997	Virtual Network Configuration and Management System For Satellite Communication System	04/05/2002	012791	0347	9301-59IP

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In re:	Serial No.:	Filed	Title:	Assignment Recorded:	Reel:	Frame:	Atty. Dkt. No.
Garner	09/022,877	02/12/1998	Priority And Preemption Service System For Satellite Related Communication Using Central Controller	04/05/2002	012785	0731	9301-591P2
Garner et al.	09/611,759	07/06/2000	Virtual Network Configuration and Management System For Satellite Communications Systems	04/05/2002	012648	0648	9301-591PDV
Garner et al.	09/611,713	07/06/2000	Virtual Network Configuration And Management System For Satellite Communications System	04/05/2002	012648	0648	9301-591PDV2
Garner et al.	09/448,921	11/23/1999	Priority and Preemption Service System For Satellite Related Communication Using Central Controller	04/05/2002 04/05/2002	012785 012791	0731 0347	9301-591P2CT
Garner	09/679,560	10/06/2000	Priority and Preemption Service System for Satellite Related Communication Using Central Controller	04/05/2002	012648	0648	9301-591P2CT2
Halvorsen	09/756,749	01/10/2001	Computer Architecture for Service Preemption to Mobile Terminals in a Mobile Satellite Communications System	04/05/2002	012648	0648	9301-60CT
McGowan et al.	09/694,282	10/24/2000	Dual-Mode Satellite and Terrestrial Antenna	04/05/2002	012790	0802	9301-67
Sigler et al.	08/637,479	05/29/1996	Satellite Trunked Radio Service System	04/05/2002 04/05/2002	012785 012791	0731 0347	9301-72XX
Karabinis et al.	60/392,771	07/02/2002	Space-Based Network Architectures for Satellite Radiotelephone Systems	07/01/2002	01369	0574	9301-73PR
Karabinis et al.	10/225,623	08/22/2002	Space-Based Network Architectures For Satellite Radiotelephone Systems	08/22/2002	013222	0821	9301-73
Karabinis	60/393,191	07/02/2002	Filters for Combined Satellite Radiotelephone/GPS Terminals	07/02/2002	013090	0648	9301-74PR
Karabinis	10/353,548	01/29/2003	Filters For Combined Radiotelephone/GPS Terminals	06/26/2003	014207	0311	9301-74
Karabinis	60/393,287	07/02/2002	Staggered Sectorization for Terrestrial Reuse of Satellite Frequencies	07/02/2002	013090	0660	9301-75PR
Karabinis	10/353,308	01/29/2003	Staggered Sectorization for Terrestrial Reuse of Satellite Frequencies	01/29/2003	013724	0153	9301-75
Karabinis	60/392,772	07/01/2002	Modified Satellite Antenna Cell Patterns for Terrestrial Reuse of Satellite Frequencies	07/01/2002	013069	0565	9301-76PR
Karabinis	10/225,625	08/22/2002	Methods and Systems for Modifying Satellite Antenna Cell Patterns in Response to Terrestrial Reuse of Satellite Frequencies	08/22/2002	013220	0632	9301-76
Karabinis	10/317,320	12/12/2002	Systems and Methods for Increasing Capacity and/or Quality of Service of Terrestrial Cellular and Satellite Systems Using Terrestrial Reception of Satellite Band Frequencies	12/12/2002	013572	0482	9301-79

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In re:	Serial No.:	Filed	Title:	Assignment Recorded:	Reel:	Frame:	Atty. Dkt. No.
Karabinis et al.	10/447,461	05/29/2003	Wireless Communications Methods and Apparatus Using Licensed-Use System Protocols With Unlicensed-Use Access Points	05/29/2003	014126	0721	9301-80
Chutran	60/438,967	01/09/2003	Terrestrial Network-Assisted Global Positioning Systems, Methods and Terminals Including Doppler Shift Estimates	06/24/2003	014193	0606	9301-81PR
Chutran	10/751,715	01/05/2004	Network-Assisted Global Positioning Systems, Methods and Terminals Including Doppler Shift and Code Phase Estimates	01/05/2004	014784	0770	9301-81
Karabinis	60/457,043	03/24/2003	Satellite Assisted Push-to-Send Radiotelephone Systems and Methods	03/11/2004	015061	0279	9301-82PR
Karabinis	10/795,620	03/08/2004	Satellite Assisted Push-to-Send Radiotelephone Systems and Methods	03/08/2004	015068	0534	9301-82
Karabinis	60/457,118	03/24/2003	Radio Frequency Communication Systems and Methods That Use Polarization Orthogonality To Double Channel Capacity	03/18/2004	015102	0057	9301-83PR
Karabinis	10/795,875	03/08/2004	Co-Channel Wireless Communication Methods and Systems Using Nonsymmetrical Alphabets	03/08/2004	015091	0601	9301-83
Dutta et al.	60/470,992	05/16/2003	Systems and Methods For Handover Between Space Based and Terrestrial Radioterminal Communications, and For Monitoring Terrestrially Reused Satellite Frequencies At A Radioterminal To Reduce Potential Interference	07/07/2003	014229	0702	9301-84PR
Dutta et al.	10/828,378	04/20/2004	Systems and Methods for Handover Between Space Based and Terrestrial Radioterminal Communications, and for Monitoring Terrestrially Reused Satellite Frequencies at a Radioterminal to Reduce Potential Interference	04/20/2004	015254	0329	9301-84
Dutta et al.	11/095,067	03/31/2005	Systems and Methods For Handover Between Space Based and Terrestrial Radioterminal Communications	04/20/2004	015254	0329	09301-84CT
Karabinis	60/475,959	05/28/2003	Systems and Methods That Enable Co-Channel Communications With A Base Station Of A Plurality Of Radioterminals	07/28/2003	014312	0640	9301-85PR
Karabinis et al.	60/477,522	06/11/2003	Satellite Assisted Push-to-Send Radioterminal Systems, Methods and Protocols	03/11/2004	015059	0265	9301-86PR
Karabinis et al.	60/490,993	07/30/2003	Intra- and Inter-System Interference Reduce Systems and Methods for Satellite Communications Systems	10/24/2003	014621	0287	9301-87PR

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Karabinis et al	10/890,758	07/14/2004	Infra-an/or Inter-System Interference Reduce Systems and Methods for Satellite Communications Systems	09/29/2004	015198	0616	9301-87
Karabinis	60/490,638	07/28/2003	Systems and Methods For Modifying Antenna Radiation Patterns Of Peripheral Base Stations Of An Ancillary Terrestrial Component To Allow Reduced Interference	10/24/2003	014621	0242	9301-88PR
Karabinis	60/492,710	08/05/2003	Additional Systems and Methods For Modifying Antenna Radiation Patterns Of Peripheral Base Stations Of An Ancillary Terrestrial Component To Allow Reduced Interference	10/24/2003	014621	0236	9301-88PR2
Karabinis	10/880,023	06/28/2004	Systems and Methods For Modifying Antenna Radiation Patterns Of Peripheral Base Stations Of An Ancillary Terrestrial Component To Allow Reduced Interference	09/15/2004	015155	0107	9301-88
Karabinis et al	60/497,269	08/22/2003	Time-Frequency Division Multiplexing (T-FDM) and/or Orthogonal FDM (OFDM) Systems and Methods Employing Unsymmetrical Sub-Band Carrier Groupings	07/22/2004	014889	0283	9301-89PR
Karabinis et al	10/914,515	08/09/2004	Time-Frequency Division Multiplexing (T-FDM) and/or Orthogonal FDM (OFDM) Systems and Methods Employing Unsymmetrical Sub-Band Carrier Groupings	12/20/2004	015479	0201	9301-89
Dutta	60/505,526	09/23/2003	Mobility Management for Hybrid Terrestrial-Satellite Networks	10/24/2003	014621	0273	9301-91PR
Dutta	10/948,606	09/23/2004	Systems and Methods for Mobility Management in Overlay Mobile Communications Systems	11/15/2004	015376	0528	9301-91
Karabinis	60/538,299	01/22/2004	Satellite With Different Size Service Link Antennas and Radioterminal Communication Methods Using Same	01/15/2005	015634	0782	9301-92PR
Karabinis	11/036,230	01/14/2005	Satellite With Different Size Service Link Antennas and Radioterminal Communication Methods Using Same	04/18/2005	016088	0832	9301-92
Churan	60/551,526	03/09/2004	Code Synchronization Over Satellite Return Path	05/19/2004	015373	0820	9301-93PR
Churan	11/067,066	02/25/2005	Code Synchronization in CDMA Satellite Wireless Communications System Using Uplink Channel Detection	04/07/2005	016024	0646	9301-93
Levin et al	10/827,961	04/20/2004	Extraterrestrial Communications Systems and Methods Including Ancillary Extraterrestrial Components	04/20/2004	015245	0264	9301-94

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Singh et al	60/555,283	03/22/2004	Multi-Band Satellite Radioterminal Communications Systems and Methods With Common Return Link Band	07/22/2004	014888	0478	9301-95PR
Karabinis	60/564,177	04/21/2004	Mobile Terminals Including Multiple Satellite Band Service Links, and Related Systems and Methods	06/29/2004	014790	0416	9301-98PR
Karabinis	60/561,325	04/12/2004	Different Utilization of Satellite Frequency Bands by a Space-Based Network and an Ancillary Terrestrial Network	06/29/2004	014790	0452	9301-99PR
Karabinis	60/560,221	04/07/2004	Satellite/Hands-Free Interlock Systems and Methods of Radioterminals	06/29/2004	014790	0473	9301-100PR
Dutta	60/583,218	06/25/2004	Methods of Ground Based Beamforming and On-Board Frequency Translation and Related Systems	07/20/2004	014873	0630	9301-108PR
Karabinis	10/979,295	11/02/2004	Apparatus and Methods for Power Control in Satellite Communications Systems With Satellite-Linked Terrestrial Stations	02/08/2005	015716	0553	9301-109
Karabinis	60/573,253	05/21/2004	Systems and Methods for Space-Based Reuse of Terrestrial Cellular Frequency Spectrum	07/27/2004	014907	0834	9301-112PR
Karabinis et al	60/573,992	05/24/2004	Control Channel Synchronization of Terrestrial-Only Radioterminals to Space-Based Networks	08/31/2004	015095	0241	9301-113PR
Karabinis et al	60/572,164	05/18/2004	Space-Based Networks and Methods With Ground-Based Beam Forming	10/19/2004	015263	0343	9301-114PR
Karabinis	60/573,991	05/24/2004	Systems And Methods For Monitoring Selected Terrestrially Reused Satellite Frequency Signals To Reduce Potential Interference	08/10/2004	015059	0378	9301-115PR
Karabinis	60/598,975	08/05/2004	Systems And Methods For Monitoring Selected Terrestrially Reused Satellite Frequency Signals To Reduce Potential Interference	10/19/2004	015263	0155	9301-115PR2
Karabinis	10/979,404	11/02/2004	Multi Frequency Band/Multi Air Interface/Multi Spectrum Reuse Cluster Size/Multi Cell Size Satellite Radioterminal Communications Systems and Methods	01/31/2005	015634	0867	9301-117
Karabinis et al	60/600,575	08/11/2004	Satellite-Band Spectrum Utilization for Reduced or Minimum Interference	08/26/2004	015086	0261	9301-119PR
Dutta	60/629,794	11/19/2004	Electronic Antenna Beam Steering Using Ancillary, Asynchronous, Pilot Channel Receivers	12/16/2004	015470	0224	9301-120PR
Mallinckrodt	07/495,497	03/19/1990	Integrated Cellular Communications Systems	01/05/2005	015530	0272	9301-121
Mallinckrodt	07/781,972	10/24/1991	Integrated Cellular Communications Systems	01/05/2005	015530	0275	9301-122
Mallinckrodt	08/145,246	10/28/1993	Integrated Cellular Communications System	01/05/2005	015530	0275	9301-123

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Oiten	08/223,437	04/05/1994	System and Method for Mobile Communications in Coexistence With Established Communications Systems	01/05/2005	015530	0292	9301-124
Oiten et al.	08/255,341	06/07/1994	Communications System	01/05/2005	015533	0962	9301-125
Mallinckrodt	08/444,574	05/19/1995	Position Determination In An Integrated Cellular Communications System	01/05/2005	015530	0289	9301-131
Mallinckrodt	08/444,573	05/19/1995	Power Control Of An Integrated Cellular Communications System	01/05/2005	015539	0326	9301-132
Oiten	08/679,848	07/15/1996	System for Mobile Communications in Coexistence With Communication Systems Having Priority	01/05/2005	015530	0702	9301-133
Oiten	08/751,651	11/18/1996	Position Determination for Reducing Unauthorized Use Of A Communication System	01/05/2005	015530	0736	9301-134
Mallinckrodt	08/780,519	01/08/1997	Power Control Of An Integrated Cellular Communications System	01/05/2005	015530	0727	9301-135
Mallinckrodt	08/815,310	03/11/1997	Position Determination In An Integrated Cellular Communications System	01/05/2005	015539	0472	9301-136
Mallinckrodt	08/944,727	10/06/1997	Controller for Cellular Communications System	01/05/2005	015530	0767	9301-137
Mallinckrodt	08/944,570	10/06/1997	Communications System Including Control Means For Designating Communication Between Space Nodes And Surface Nodes	01/05/2005	015530	0906	9301-138
Mallinckrodt	09/181,492	10/28/1998	Communications System	01/05/2005	015530	0909	9301-140
Mallinckrodt	09/182,724	10/29/1998	Position Determination In An Integrated Cellular Communications System	01/05/2005	015530	0970	9301-141
Mallinckrodt	09/260,161	03/01/1999	Power Control Of An Integrated Cellular Communications System	01/05/2005	015530	0895	9301-142
Oiten	09/371,316	08/10/1999	Hybrid Satellite Communications System	01/05/2005	015530	0892	9301-143
Oiten et al.	10/246,868	09/17/2002	Data Communications Systems and Methods Using Different Wireless Links for Inbound and Outbound Data	01/05/2005	055540	0062	9301-145
Mayfield et al.	10/374,375	02/25/2003	Security System For Defeating Satellite Television Piracy	01/05/2005	015540	0003	9301-146
Karabinis	11/006,318	12/07/2004	Broadband Wireless Communications Systems and Methods Using Multiple Non-Contiguous Frequency Bands/Segments	01/31/2005	015634	0864	9301-148
Karabinis	60/628,149	11/16/2004	Satellite Communications Systems and Methods Having Shared Ground Infrastructure	01/31/2005	015634	0826	9301-149PR
Karabinis	60/636,594	12/16/2004	Location-Based Broadcast Messaging For Radioterminal Users	01/31/2005	015634	0766	9301-150PR
Karabinis	60/636,592	12/16/2004	Prediction of Uplink Interference Potential Generated By An Ancillary Terrestrial Network	01/31/2005	015635	0166	9301-151PR

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Zheng	60/641,560	01/05/2005	Adaptive Beam-Forming With Interference Suppression and Multi-User Detection In Satellite Systems With Terrestrial Reuse of Frequencies	03/18/2005	015920	0433	9301-152PR
Karabinis et al.	60/655,199	02/22/2005	Reusing Frequencies of a Fixed and/or Mobile Communications System	04/18/2005	016088	0705	9301-155PR
Karabinis	60/655,150	02/22/2005	Using Different Service Link Polarizations to Increase Service Link Capacity of a Satellite Communication System	04/18/2005	016088	0660	9301-156PR
Karabinis	60/655,148	02/22/2005	Satellites Using Inter-Satellite Links to Create Indirect Feeder Link Paths	04/18/2005	016088	0637	9301-157PR
Karabinis	60/660,755	03/11/2005	Interference Reduction In Forward Link Satellite Communications by Prefdistortion	04/18/2005	016088	0734	9301-158PR
Karabinis et al.	60/659,794	03/09/2005	Interference Reduction in Satellite Communications by Excision	04/18/2005	016088	0701	9301-159PR
Karabinis	60/659,463	03/08/2005	Reusing Spectrum of Another Satellite Operator for MSS and ATC Without Exceeding a Coordination Threshold	04/18/2005	016088	0698	9301-160PR
Karabinis	60/661,364	03/14/2005	Satellite Communications Systems and Methods With Distributed and/or Centralized Architecture Including Ground-Based Beam Forming	04/18/2005	016088	0604	9301-161PR