

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MOBILE SATELLITE VENTURES, LP	03/28/2006
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
Patent Number:	7974575
CORRESPONDENCE DATA	
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<i>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.</i>	
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Correspondent Name:	SUSAN E. FREEDMAN
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ATTORNEY DOCKET NUMBER:	9301-154DV2
NAME OF SUBMITTER:	SUSAN E. FREEDMAN
SIGNATURE:	/Susan E. Freedman/
DATE SIGNED:	09/30/2015
Total Attachments: 4	
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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;

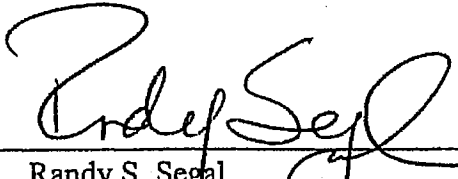
NOW, THEREFORE, To All Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the above assignor has sold and by these presents does hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, 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

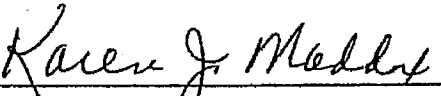
or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said Patents and Applications.

IN WITNESS WHEREOF, the assignor has caused this assignment to be executed this 28th day of March, 2006.

By:  (SEAL)
Randy S. Segal
Senior Vice President and General Counsel
Mobile Satellite Ventures, LP

COMMONWEALTH
STATE OF VIRGINIA)
) ss:
COUNTY OF FAIRFAX)

Before me personally appeared Randy S. Segal, 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 28th day of March, 2006.


Notary Public

(SEAL)

My Commission Expires: 7/31/2009

Schedule A
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In re.	Serial No.	Filed	Title	Attorney Dkt.
Karabinis	10/225,613	08/22/2002	Multi-Band/Multi-Mode Satellite Radiotelephone Communications Systems and Methods	9301-7
Bedwell	08/654,453	05/28/1996	Communication Protocol for Satellite Data Processing	9301-19CX
Duske, Jr. et al.	09/093,095	06/08/1998	Mobile Communications Terminal for Satellite Communications System	9301-21
Karabinis et al.	11/327,687	01/06/2006	Coordinated Satellite-Terrestrial Frequency Reuse	9301-38XXCT3
Karabinis	10/225,615	08/22/2002	Methods and Systems for Modifying Satellite Antenna Cell Patterns in Response to Terrestrial Reuse of Satellite Frequencies	9301-76
Karabinis	60/502,787	09/11/2003	Systems and Methods for Inter-System Sharing of Satellite Communications Frequencies Within a Common Footprint	9301-90PR
Karabinis et al.	11/061,346	02/18/2005	Multi-Band Satellite and/or Ancillary Terrestrial Component Radioterminal Communications Systems and Methods With Diversity Operation	9301-95
Karabinis	11/094,931	03/31/2005	Satellite/Hands-Free Interlock Systems and/or Companion Devices for Radioterminals and Related Methods	9301-100
Dutta	11/167,010	06/24/2005	Methods of Ground-Based Beamforming and On-Board Frequency Translation and Related Systems	9301-108
Karabinis et al.	11/126,799	05/11/2005	Satellite Communications Systems and Methods Using Radiotelephone Location-Based Beamforming	9301-114
Karabinis et al.	11/200,609	08/10/2005	Satellite-Band Spectrum Utilization for Reduced or Minimum Interference	9301-119
Dutta	11/281,078	11/17/2005	Electronic Antenna Beam Steering Using Ancillary Receivers and Related Methods	9301-120
Karabinis	11/291,192	12/01/2005	Location Based Broadcast Messaging for Radioterminal Users	9301-150
Zheng et al.	11/324,711	01/03/2006	Adaptive Beam Forming With Multi-User Detection and Interference Reduction in Satellite Communication Systems and Methods	9301-152
Karabinis	11/375,422	03/14/2006	Methods and Systems Providing Adaptive Feeder Links for Ground Based Beam Forming and Related Systems and Satellites	9301-153
Karabinis	60/661,690	03/15/2005	Methods and Systems Providing Adaptive Feeder Links for Ground Based Beam Forming	9301-153PR
Karabinis	11/375,277	03/14/2006	Intra-System and/or Inter-System Reuse of Feeder Link Frequencies Including Interference Suppression Systems and Methods	9301-154

Schedule A
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In re:	Serial No.:	Filed	Title:	Attorney Dkt.:
Karabinis	60/662,053	03/15/2005	Intra-System and/or Inter-System Reuse Of Feeder Link Frequencies Including Interference Suppression Systems And Methods	9301-154PR
Karabinis	11/313,039	12/20/2005	Satellite Communications Systems and Methods Using Diverse Polarizations	9301-156
Karabinis	11/313,572	12/21/2005	Satellites Using Inter-Satellite Links to Create Indirect Feeder Link Paths	9301-157
Karabinis	11/374,191	03/13/2006	Satellite Communications Systems and Methods With Distributed and/or Centralized Architecture Including Ground-Based Beam Forming	9301-161
Zheng	60/760,432	01/20/2006	Systems and Methods for Satellite Forward Link Transmit Diversity and/or Beamforming	9301-180PR
Dutta et al.	60/773,490	02/15/2006	Adaptive Spotbeam Broadcasting, Systems, Methods and Devices for High Bandwidth Content Distribution Over Satellite	9301-181PR