

PATENT ASSIGNMENT

Electronic Version v1.1

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Dunmin Zheng | 12/21/2005 |
| Peter D. Karabinis | 12/21/2005 |
| RECEIVING PARTY DATA | |
| Name: | Mobile Satellite Ventures, LP |
| Street Address: | 10802 Parkridge Boulevard |
| City: | Reston |
| State/Country: | VIRGINIA |
| Postal Code: | 20191 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 12689590 |
| CORRESPONDENCE DATA | |
| Fax Number: | (919)854-1401 |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | |
| Phone: | 919-854-1400 |
| Email: | sfreedman@myersbigel.com |
| 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: | 9301-152DV |
| NAME OF SUBMITTER: | Susan E. Freedman |
| <p>Total Attachments: 3</p> <p>source=9301-152Fam_Assignment_MSV#page1.tif</p> <p>source=9301-152Fam_Assignment_MSV#page2.tif</p> | |

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PATENT
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ASSIGNMENT

THIS ASSIGNMENT, made by us, **Dunmin Zheng**, citizen of the United States of America, residing at 426 Center Street North, Vienna, Virginia 22180; and **Peter D. Karabinis**, citizen of the United States of America, residing at 101 Chalon Drive, Cary, North Carolina 27511;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **ADAPTIVE BEAM FORMING WITH MULTI-USER DETECTION AND INTERFERENCE REDUCTION IN SATELLITE COMMUNICATION SYSTEMS AND METHODS** for which a application has been filed, or is being concurrently filed, in the United States Patent and Trademark Office. We hereby authorize and request Myers Bigel Sibley & Sajovec, P.A., to insert here in parentheses (Application No. _____, filed _____) the filing date and application number of said application when known or to file this Assignment concurrently with said application; and

WHEREAS, **Mobile Satellite Ventures, LP**, a Delaware limited partnership, having a principal place of business at 10802 Parkridge Boulevard, Reston, Virginia 20191-5416, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues or other forms of protection thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted along with any term extensions thereof or therefor, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and

ASSIGNMENT - CONTINUED

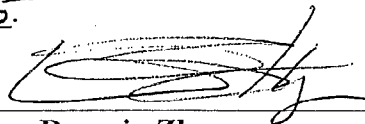
entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree to promptly communicate to said assignee or its representatives any facts known to us 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 invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns, and other legal representatives; and we hereby instruct, and further covenant and agree to bind our heirs, legal representatives, and assigns, to do same, without further compensation, but at the expense of said assignee or its representatives.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 21st day of DECEMBER, 2005.

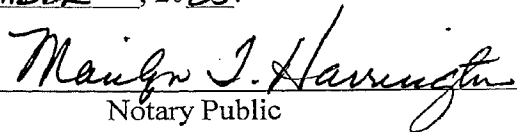


(SEAL)

Dunmin Zheng

STATE OF VIRGINIA)
) ss:
COUNTY OF FAIRFAX)

Before me personally appeared the person described in and who executed the foregoing instrument, and he acknowledged to me that he executed the same for the purposes therein stated, this 21st day of DECEMBER, 2005.



Notary Public

SEAL

My Commission Expires: 12/31/06

ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 21st day
of DECEMBER, 2005.


Peter D. Karabatsis

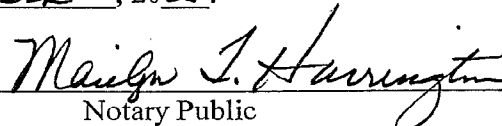
(SEAL)

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