



03-29-2002



FORM PTO-1596

1-31-92 Patent and Trademark Office

RECORDATION 1

102036377

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DOCKET NO.: 111223.123US1

PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereto:

1. Name of conveying party(ies):

Rajendra SINGH, Ph.D.

3-22-02

2. Name and address of receiving party(ies):

Name: Telcom Satellite Ventures, Inc.

Internal Address: _____

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____Street Address: 7925 Jones Branch DriveCity: McLean State/Country: VA ZIP: 22102Execution Date: March 11, 2002Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If the document is being filed together with a new application, the execution date of the application is:

A. Patent Application No(s).

10/000,799 filed December 4, 2001

B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: HALE AND DORR LLP

Internal Address: _____

Street Address: 1455 Pennsylvania Ave., N.W.City: Washington State: DC ZIP: 200046. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41) \$40.00☐ Enclosed☒ Authorized to be charged to deposit account

8. Deposit account number:

08-0219

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9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Irah H. Donner, Registration No. 35,120

Name and Registration No. of Person Signing

Signature

3/24/02

Date

Total number of pages comprising cover sheet: 1

CMB No. 0851-0011 (exp. 4/94)

03/28/2002 AAHME01 00000076 080219 10000799

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WASHINGTON 167992v1

PATENT
REEL: 012716 FRAME: 0884

ASSIGNMENT

WHEREAS I, Rajendra Singh, Ph.D. of Alexandria, Virginia, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled INTEGRATED OR AUTONOMOUS SYSTEM AND METHOD OF SATELLITE-TERRESTRIAL FREQUENCY REUSE USING SIGNAL ATTENUATION AND/OR BLOCKAGE, DYNAMIC ASSIGNMENT OF FREQUENCIES AND/OR HYSTERESIS, for which an application for United States Letters Patent was filed on December 4, 2001, and identified by United States Serial No. 10/000,799;

AND WHEREAS, Telcom Satellite Ventures, Inc., a corporation of the State of Delaware and having an address of 7925 Jones Branch Drive, McLean, Virginia 22102, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, I do hereby sell, assign, transfer and set over unto Telcom Satellite Ventures, Inc., its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, any patent applications in the United States and foreign countries, including Provisional Application Nos. 60/250,461 filed December 4, 2000, 60/222,605 filed August 2, 2000, and 60/245,194 filed November 3, 2000, U.S. Patent Application No. 09/918,709 filed August 1, 2001, and any original applications, formal applications, continuation applications, continuations-in-part applications, continued prosecution applications, request for continued examination applications, divisional applications, reissue applications, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention, and all rights to claim priority therefrom and/or thereto; and any copyright or designs associated with or in said invention; and all rights of action and damages for any past, present or future infringement relating thereto, including all rights of actions and damages from publication of the patent applications and/or issuance of any patent relating thereto;

UPON SAID CONSIDERATIONS, I hereby agree with the said assignee that I will not execute any writing or do any act whatsoever conflicting with these presents, and that I will, at any time upon request, without further or additional consideration but at the expense of said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and assignee;

The undersigned hereby grant(s) the firm of HALE and DORR LLP the power to insert on this Assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document

AND I request the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said Mobile Satellite Ventures LP, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

x Rajendra Singh
Rajendra Singh, Ph.D.

03/11/02
Date

STATE OF Virginia)
COUNTY OF Fairfax) SS:

On this 11 day of March, 2002, before me personally appeared Rajendra Singh, Ph.D., to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and purposes therein set forth.

S E A L

Mona Qazi
Notary Public

My commission expires ~~My Commission Expires~~ July 31, 2004