

07-30-2003

Form PTO-1595

(Rev. 10-02)  
OMB No. 0651-0027 (exp. 5/31/2002)

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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof

1. Name of conveying party(ies):

Vladimir Radionov, Bin-Fan Liu and Yu Kou

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

2. Name and address of receiving party(ies)

Name: BroadLogic Network Technologies Inc.

Street Address: 1740 Technology Drive, Suite 500

City: San Jose State: CA ZIP: 95110

Additional name(s) and address(es) attached?  Yes  No

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other:

Execution Date: July 11, 2003

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

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

A. Patent Application No(s): 10/402,368

B. Patent No(s):

Additional numbers attached?  Yes  No

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

Name: Horace H. Ng  
TOWNSEND AND TOWNSEND AND CREW LLP  
Two Embarcadero Center, 8<sup>th</sup> Floor  
San Francisco, California 94111-3834  
(415) 576-0200

6. Total number of applications and patents involved #

7. Total fee (37 CFR 3.41): -----\$40.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number: 20-1430

(Attach duplicate copy of this page if paying by deposit account)

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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.

Horace H. Ng  
Name of Person Signing  
Att. Reg. No. 39,315

Signature

7/22/03

Date

Total number of pages including cover sheet, attachments and documents: 5

Mail documents to be recorded with required cover sheet information to:

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07/29/2003 6TON11 00000002 201430 10402368

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**ASSIGNMENT OF PATENT APPLICATION**

JOINT

WHEREAS, Vladimir Radionov of 902 Radiant Lane, San Ramon, CA 94583; Bin-Fan Liu of 47 Raccolio Way, Livermore, CA 94550 and Yu Kou of 6167 Paseo Pueblo Dr., San Jose, CA 95120 hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:           **METHOD AND SYSTEM FOR PROVIDING MULTI-CHANNEL MULTIMODE QAM EQUALIZATION AND CARRIER RECOVERY**

Date(s) of execution of Declaration:   July 11, 2003

Filing Date:                    March 27, 2003

Application No.:                10/402,368; and

WHEREAS, BroadLogic Network Technologies Inc., a corporation of the state of California, located at 1740 Technology Drive, Suite 500, San Jose, CA, 95110, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8<sup>th</sup> Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 07/11/03

  
Vladimir Radionov

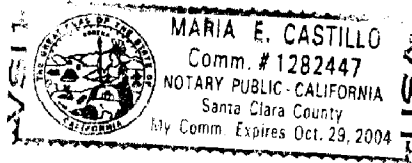
STATE OF Ca )  
                                  )  
COUNTY OF Santa Clara)       ss.

On July 11, 2003, before me, Maria E. Castillo,  
personally appeared Vladimir Radionov, ~~personally known to me~~ (or proved to me on the  
basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and  
acknowledged to me that he/~~she~~ executed the same in his/~~her~~ authorized capacity, and that by his/~~her~~ signature on  
the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Maria E. Castillo 7/11/03  
NOTARY PUBLIC

My Commission Expires: Oct 29, 2004



Dated: 7/11/03

  
Bin-Fan Liu

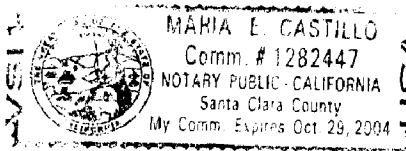
STATE OF Ca )  
COUNTY OF Santa Clara ) ss.

On July 11, 2003, before me, MARIA E. CASTILLO,  
personally appeared Bin-Fan Liu, ~~personally known to me~~ (or proved to me on the basis of  
satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me  
that he/~~she~~ executed the same in his/~~her~~ authorized capacity, and that by his/~~her~~ signature on the instrument the  
person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

  
NOTARY PUBLIC

My Commission Expires: Oct 29, 2003



Dated: 07-11-2003

Yu Kou  
Yu Kou

STATE OF California )  
COUNTY OF santa Clara ) ss.

On July 11, 2003, before me, Maria E. Castillo,  
personally appeared Yu Kou, ~~personally known to me~~ or proved to me on the basis of satisfactory  
evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/~~she~~  
executed the same in his/~~her~~ authorized capacity, and that by his/~~her~~ signature on the instrument the person, or the  
entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Maria E. Castillo 7/11/03  
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