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11-21-2006

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office



103338608

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)  
See 1 in Addendum

2. Name and address of receiving party(ies)

Name: Broadcom Corporation

Internal Address: \_\_\_\_\_

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

Street Address: 16215 Alton Parkway

3. Nature of conveyance/Execution Date(s):

Execution Date(s) See 2 in Addendum

- Assignment  Merger
- Security Agreement  Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other \_\_\_\_\_

City: Irvine

State: CA

Country: USA Zip: 92618-3616

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

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)  
To Be Assigned

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Sterne, Kessler, Goldstein & Fox P.L.L.C.

Internal Address: c/o Bryan S. Wade

Street Address: 1100 New York Avenue, N.W.

City: Washington

State: D.C. Zip: 20005-3934

Phone Number: 202-371-2600

Fax Number: 202-371-2540

Email Address: bwade@skgf.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers 1005  
Expiration Date 08/2009

b. Deposit Account Number 19-0036

Authorized User Name SKGF PLLC

9. Signature:

Bryan S. Wade  
Signature

October 11, 2006  
Date

Bryan S. Wade  
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 11

Documents to be recorded (including cover sheet) should be faxed to (671) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

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## Addendum

1. 1. Thomas J. QUIGLEY
  2. Jonathan S. MIN
  3. Lisa V. DENNEY
  4. Henry SAMUELI
  5. Sean F. NAZARETH
  6. Feng CHEN
  7. Fang LU
  8. Christopher R. JONES
2. 07/12/2000; 07/11/2000; 07/06/2000; 07/26/2000; 08/01/2000; 06/30/2000;  
08/01/2000; and 07/06/2000.

Docket No. 96686/LTR/B600

Joint

## ASSIGNMENT

WHEREAS, WE, Thomas J. Quigley; Jonathan S. Min; Lisa V. Denney; Henry Samuelli; Sean F. Nazareth; Feng Chen; Fang Lu; and Christopher R. Jones, residing at Lawrenceville, Georgia; Buena Park, California; Suwanee, Georgia; Corona Del Mar, California; Anaheim Hills, California; Irvine, California; Irvine, California; and Newport Beach, California, respectively, have invented certain new and useful improvements disclosed in an application for United States Letters Patent entitled **CABLE MODEM APPARATUS AND METHOD**, filed May 19, 2000, Application No. 09/574,558.

AND WHEREAS **BROADCOM CORPORATION**, a California corporation, having a place of business at 16215 Alton Parkway, Irvine, California 92618 (hereafter, together with any successors, legal representatives or assigns thereof, called "ASSIGNEE") wants to acquire the entire right, title and interest in and to said improvements and application.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over to ASSIGNEE the entire right, title and interest in and to said improvements, and said application and all divisions and continuations thereof, and all United States Letters Patents which may be granted thereon and all reissues, reexaminations and extensions thereof, and all priority rights under all available International Agreements, Treaties and Conventions for the protection of intellectual property in its various forms in every participating country, and all applications for patents (including related rights such as utility-model registrations, inventor's certificates, and the like) heretofore or hereafter filed for said improvements in any foreign countries, and all patents (including all continuations, divisions, extensions, renewals, substitutes, and reissues thereof) granted for said improvements in any foreign countries; and we hereby authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all patents for said improvements to ASSIGNEE in accordance with the terms of this Assignment;

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith;

AND WE HEREBY further covenant and agree that we will communicate to ASSIGNEE any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute and reissue applications, make all rightful oaths and generally do everything possible to aid ASSIGNEE to obtain and enforce proper patent protection for said improvements in all countries.

**ASSIGNMENT**

**Joint**

**Docket No. 36636/LTR/B600**

IN TESTIMONY WHEREOF, I hereunto set my hand this 12 day of July, 2000.

  
Thomas J. Quigley

\*\*\*\*\*

IN TESTIMONY WHEREOF, I hereunto set my hand this \_\_\_ day of \_\_\_\_\_, 20 \_\_\_.

\_\_\_\_\_  
Jonathan S. Min

\*\*\*\*\*

IN TESTIMONY WHEREOF, I hereunto set my hand this \_\_\_ day of \_\_\_\_\_, 20 \_\_\_.

\_\_\_\_\_  
Lisa V. Denney

\*\*\*\*\*

**ASSIGNMENT**  
**Docket No. 86686/LTR/B600**

**Joint**

IN TESTIMONY WHEREOF, I hereunto set my hand this \_\_\_ day of \_\_\_\_\_, 20 \_\_\_.

\_\_\_\_\_  
Thomas J. Quigley

\*\*\*\*\*

IN TESTIMONY WHEREOF, I hereunto set my hand this 1<sup>st</sup> day of July, 2000.

  
\_\_\_\_\_  
Jonathan S. Min

\*\*\*\*\*

IN TESTIMONY WHEREOF, I hereunto set my hand this \_\_\_ day of \_\_\_\_\_, 20 \_\_\_.

\_\_\_\_\_  
Lisa V. Denney

\*\*\*\*\*

**ASSIGNMENT**

**Joint**

**Docket No. 36686/LTR/B600**

IN TESTIMONY WHEREOF, I hereunto set my hand this \_\_\_ day of \_\_\_\_\_, 20 \_\_\_.

\_\_\_\_\_  
Thomas J. Quigley

\*\*\*\*\*

IN TESTIMONY WHEREOF, I hereunto set my hand this \_\_\_ day of \_\_\_\_\_, 20 \_\_\_.

\_\_\_\_\_  
Jonathan S. Min

\*\*\*\*\*

IN TESTIMONY WHEREOF, I hereunto set my hand this 6<sup>th</sup> day of July, 20 00.

Lisa V. Denney  
Lisa V. Denney

\*\*\*\*\*

**ASSIGNMENT**

**Joint**

**Docket No. 86686/LTR/B600**

IN TESTIMONY WHEREOF, I hereunto set my hand this 26 day of July, 20 00.

  
Henry Samueli

\*\*\*\*\*

IN TESTIMONY WHEREOF, I hereunto set my hand this \_\_\_ day of \_\_\_\_\_, 20 \_\_\_.

\_\_\_\_\_  
Sean F. Nazareth

\*\*\*\*\*

IN TESTIMONY WHEREOF, I hereunto set my hand this \_\_\_ day of \_\_\_\_\_, 20 \_\_\_.

\_\_\_\_\_  
Feng Chen

\*\*\*\*\*

**ASSIGNMENT**  
**Docket No. 36686/LTR/B600**


**Joint**

IN TESTIMONY WHEREOF, I hereunto set my hand this \_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Henry Samueli

\*\*\*\*\*

IN TESTIMONY WHEREOF, I hereunto set my hand this 1st day of August, 2000.

  
\_\_\_\_\_  
Sean F. Nazareth

\*\*\*\*\*

IN TESTIMONY WHEREOF, I hereunto set my hand this \_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Feng Chen

\*\*\*\*\*



**ASSIGNMENT**  
**Docket No. 86686/LTR/B600**

**Joint**

IN TESTIMONY WHEREOF, I hereunto set my hand this \_\_\_ day of \_\_\_\_\_, 20 \_\_\_.

\_\_\_\_\_  
Henry Samueli

\*\*\*\*\*

IN TESTIMONY WHEREOF, I hereunto set my hand this \_\_\_ day of \_\_\_\_\_, 20 \_\_\_.

\_\_\_\_\_  
Sean F. Nazareth

\*\*\*\*\*

IN TESTIMONY WHEREOF, I hereunto set my hand this 30 day of June, 20 00.

ChenTeng  
\_\_\_\_\_  
Feng Chen

\*\*\*\*\*

**ASSIGNMENT**  
**Docket No. 36686/LTR/B600**

**Joint**

IN TESTIMONY WHEREOF, I hereunto set my hand this 1st day of August, 2000.

Fang Lu  
Fang Lu

\*\*\*\*\*

IN TESTIMONY WHEREOF, I hereunto set my hand this \_\_\_ day of \_\_\_\_\_, 20 \_\_\_.

\_\_\_\_\_  
Christopher R. Jones

LTR/bje  
BJE PAS36686.1-4-02/00 4:19 PM

**ASSIGNMENT**  
**Docket No. 36686/LTR/B600**

**Joint**

IN TESTIMONY WHEREOF, I hereunto set my hand this \_\_\_ day of \_\_\_\_\_, 20 \_\_\_.

\_\_\_\_\_  
Fang Lu

\*\*\*\*\*

IN TESTIMONY WHEREOF, I hereunto set my hand this 6 day of July, 20 00.

  
\_\_\_\_\_  
Christopher R. Jones

LTR/bje  
EJE PAS269063.1.-6/28/00 4:13 PM