

07-31-2007

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To the Director of the U.S. Patent and Trademark

or the new address(es) below.

7.23.07

**1. Name of conveying party(ies)**

1. Bruce J. CURRIVAN (July 18, 2007); 2. Loke Kun TAN (July 16, 2007); 3. Thomas Joseph KOLZE (June 29, 2007); 4. Hanli ZOU (June 29, 2007); and 5. Lin HE (July 9, 2007)

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

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

Name: Broadcom Corporation

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

Street Address: 5300 California Avenue

City: Irvine

State: California

Country: US

Zip: 92617

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

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

Execution Date(s) See Item 1

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

**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 Jeffrey T. Helvey

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

City: Washington

State: D.C.

Zip: 20005-3934

Phone Number: \_\_\_\_\_

Fax Number: \_\_\_\_\_

Email Address: \_\_\_\_\_

**6. Total number of applications and patents involved: one (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 \_\_\_\_\_

**9. Signature:**

Jeffrey T. Helvey  
Signature

7/23/07  
Date

Jeffrey T. Helvey  
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 (571) 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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PATENT  
REEL: 019652 FRAME: 0182

## ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventors: Bruce J. CURRIVAN, Loke Kun TAN, Thomas Joseph KOLZE, Hanli ZOU and Lin HE, hereby sell and assign to Broadcom Corporation, a corporation formed under the laws of California, whose mailing address is 5300 California Avenue, Irvine, California 92617 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as Asymmetric Multi-Channel Adaptive Equalizer for which application(s) for patent in the United States of America has a filing date or a 371(c) date of (Herewith) (also known as United States Application No. (To Be Assigned) (Attorney Docket No. 1875,8680002), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

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The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with CUSTOMER NUMBER 49579 the power to insert in this assignment any further identification that 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.

IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name.

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
Bruce J. CURRIVAN

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
Loke Kun TAN

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
Thomas Joseph KOLZE

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
Hanli ZOU

Date: 07/09/2007 Signature of Inventor: \_\_\_\_\_  
Lin HE

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## ASSIGNMENT

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(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

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IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name.

Date: 18 July 2007

Signature of Inventor:   
Bruce J. CURRIVAN

Date: \_\_\_\_\_

Signature of Inventor: \_\_\_\_\_  
Loke Kun TAN

Date: \_\_\_\_\_

Signature of Inventor: \_\_\_\_\_  
Thomas Joseph KOLZE

Date: \_\_\_\_\_

Signature of Inventor: \_\_\_\_\_  
Hanli ZOU

Date: \_\_\_\_\_

Signature of Inventor: \_\_\_\_\_  
Lin HE

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Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_

Bruce J. CURRIVAN

Date: 7/16/07 Signature of Inventor: \_\_\_\_\_

Loke Kin TAN

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_

Thomas Joseph KOLZE

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_

Hanli ZOU

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_

Lin HE

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Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
Bruce J. CURRIVAN

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
Loke Kun TAN

Date: 29 Jun 2007 Signature of Inventor: Thomas Joseph Kolze  
Thomas Joseph KOLZE

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
Hanli ZOU

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
Lin HE

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Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
Bruce J. CURRIVAN

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
Loke Kun TAN

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
Thomas Joseph KOLZE

Date: 6/29/07 Signature of Inventor: \_\_\_\_\_  
Hanli ZOU

Date: \_\_\_\_\_ Signature of Inventor: \_\_\_\_\_  
Lin HE

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