

Box Assignment  
Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Post Office Box 7068  
Pasadena, CA 91109-7068



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Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof:

<p>1. Name of conveying party(ies):</p> <p>Arya R. Behzad Klaas Bult Ramon A. Gomez Chi-Hung Lin Tom W. Kwan Oscar E. Agazzi John L. Creigh Mehdi Hatamian David E. Kruse Arthur Abnous Henry Samuelli</p> <p>Additional name(s) of conveying party(ies) attached: NO</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: <b>Broadcom Corporation</b></p> <p>Street Address:</p> <p>16215 Alton Parkway Drive Irvine, California 92618-7013</p> <p>Additional name(s) &amp; address(es) attached? NO</p>		
<p>3. Name of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment      <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement      <input type="checkbox"/> Change of Name <input type="checkbox"/> Other:</p> <p>Execution Date: <b>March 15, 2001; March 27, 2001; March 19, 2001; March 22, 2001; March 18, 2001; May 21, 2001; March 22, 2001; August 29, 2001; March 20, 2001; March 16, 2001; March 28, 2001; respectively</b></p>	<p>Additional name(s) &amp; address(es) attached? NO</p>		
<p>4. Application number(s) or patent number(s):</p> <p>If this document is being filed together with a new application, the execution date of the application is: .</p> <table border="0"> <tr> <td data-bbox="89 1180 727 1360"> <p>A. Patent Application No.(s) 09/712,422 PCT/US00/31394</p> </td> <td data-bbox="734 1180 1539 1360"> <p>B. Patent No.(s)</p> </td> </tr> </table> <p>Additional numbers attached? NO</p>		<p>A. Patent Application No.(s) 09/712,422 PCT/US00/31394</p>	<p>B. Patent No.(s)</p>
<p>A. Patent Application No.(s) 09/712,422 PCT/US00/31394</p>	<p>B. Patent No.(s)</p>		
<p>5. Please return the recorded document and address all correspondence to:</p> <p><b>CHRISTIE, PARKER &amp; HALE, LLP</b> P.O. Box 7068 Pasadena, CA 91109-7068 Attention: <b>Richard J. Paciulan</b></p>	<p>6. Total number of applications and patents involved..... <span style="border: 1px solid black; padding: 2px;">2</span></p> <p>7. <input checked="" type="checkbox"/> Total fee enclosed (37 CFR 3.41): \$ <del>80.00</del> <b>80.00</b></p> <p>8. <input checked="" type="checkbox"/> Any deficiency or overpayment of fees should be charged or credited to <b>Deposit Account No. 03-1728</b>, except for payment of due fees required under 37 CFR § 1.18. Please show our docket number with any credit or charge to our Deposit Account.</p>		
<p>10. <input type="checkbox"/> Explanatory letter is enclosed.</p>			
<p>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.</p> <p>Date: September 4, 2001</p> <p>I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE U.S. POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: ASSISTANT COMMISSIONER FOR PATENT, WASHINGTON, D.C. 20231 ON <u>9/14/01</u></p> <p>By: <u>Richard J. Paciulan</u> Name: Richard J. Paciulan 626/755-9900</p> <p>Number of pages including cover sheet, attachments, and document: <span style="border: 1px solid black; padding: 2px;">13</span></p>			

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Void date: 09/10/2001 DBYRNE 00000327 09712422  
09/10/2001 DBYRNE 00000327 09712422  
01 FC:581

09/10/2001 DBYRNE 00000327 09712422  
01 FC:581

**ASSIGNMENT**

**WHEREAS, WE, ARYA R. BEHZAD, KLAAS BULT, RAMON A. GOMEZ, CHI-HUNG LIN, TOM W. KWAN, OSCAR E. AGAZZI, JOHN L. CREIGH, MEHDI HATAMIAN, DAVID E. KRUSE, ARTHUR ABNOUS, AND HENRY SAMUELI, residing at Danville, California; LK Boschen Duin, The Netherlands; Fountain Valley, California; Mission Viejo, California; Milpitas, California; Irvine, California; Rancho Santa Margarita, California; Mission Viejo, California; 3981 AJ Bunnik, The Netherlands; Irvine, California; and San Juan Capistrano, California, respectively, have invented certain new and useful improvements disclosed in an application for United States Letters Patent entitled **GIGABIT ETHERNET TRANSCEIVER WITH ANALOG FRONT END**, filed November 13, 2000, Application No. 09/712,422 and International PCT Application No. US00/31394 filed on November 13, 2000.**


**AND WHEREAS BROADCOM CORPORATION, a California corporation, having a place of business at 16215 Alton Parkway Drive, Irvine, California 92618-7013 (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.**

IN TESTIMONY WHEREOF, I hereunto set my hand this 15 day of March, 2001.

  
\_\_\_\_\_  
Arya R. Behzad

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

\_\_\_\_\_  
Klaas Bult

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

\_\_\_\_\_  
Ramon A. Gomez

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

\_\_\_\_\_  
Chi-Hung Lin

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

\_\_\_\_\_  
Tom W. Kwan

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

\_\_\_\_\_  
Oscar E. Agazzi

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

\_\_\_\_\_  
Arya R. Behzad

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IN TESTIMONY WHEREOF, I hereunto set my hand this \_\_\_\_ day of 3 / 27, 2001.

\_\_\_\_\_  
Klaas Butt

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

\_\_\_\_\_  
Ramon A. Gomez

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

\_\_\_\_\_  
Chi-Hung Lin

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

\_\_\_\_\_  
Tom W. Kwan

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\_\_\_\_\_  
Oscar E. Agazzi

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

\_\_\_\_\_  
Arya R. Behzad

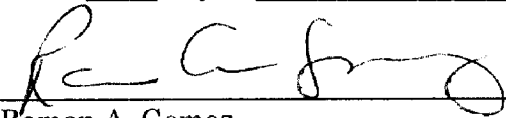
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IN TESTIMONY WHEREOF, I hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Klaas Bult

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IN TESTIMONY WHEREOF, I hereunto set my hand this 19 day of March, 2001.

  
\_\_\_\_\_  
Ramon A. Gomez

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

\_\_\_\_\_  
Chi-Hung Lin

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

\_\_\_\_\_  
Tom W. Kwan

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

\_\_\_\_\_  
Oscar E. Agazzi

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

\_\_\_\_\_  
Arya R. Behzad

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

\_\_\_\_\_  
Klaas Bult

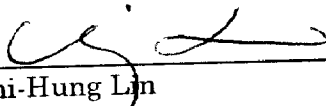
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IN TESTIMONY WHEREOF, I hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Ramon A. Gomez

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IN TESTIMONY WHEREOF, I hereunto set my hand this 22 day of March, 2001.

  
\_\_\_\_\_  
Chi-Hung Ljn

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

\_\_\_\_\_  
Tom W. Kwan

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

\_\_\_\_\_  
Oscar E. Agazzi

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

\_\_\_\_\_  
Arya R. Behzad

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

\_\_\_\_\_  
Klaas Bult

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

\_\_\_\_\_  
Ramon A. Gomez

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

\_\_\_\_\_  
Chi-Hung Lin

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IN TESTIMONY WHEREOF, I hereunto set my hand this 12 day of March, 2001.

Tom W. Kwan  
Tom W. Kwan

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

\_\_\_\_\_  
Oscar E. Agazzi

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

\_\_\_\_\_  
Arya R. Behzad

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

\_\_\_\_\_  
Klaas Bult

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

\_\_\_\_\_  
Ramon A. Gomez

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

\_\_\_\_\_  
Chi-Hung Lin

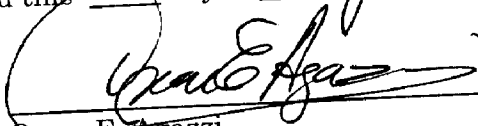
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IN TESTIMONY WHEREOF, I hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Tom W. Kwan

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IN TESTIMONY WHEREOF, I hereunto set my hand this 21 day of May, 2001.

  
\_\_\_\_\_  
Oscar E. Agazzi

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IN TESTIMONY WHEREOF, I hereunto set my hand this 22 day of March, 2011.

John L. Creigh  
John L. Creigh

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

\_\_\_\_\_  
Mehdi Hatamian

\*\*\*\*\*

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

\_\_\_\_\_  
David E. Kruse

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

\_\_\_\_\_  
Arthur Abnous

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

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

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

\_\_\_\_\_  
John L. Creigh

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IN TESTIMONY WHEREOF, I hereunto set my hand this 29 day of August, 2001.

Mehdi Hatamian  
Mehdi Hatamian

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

\_\_\_\_\_  
David E. Kruse

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

\_\_\_\_\_  
Arthur Abnous

\*\*\*\*\*

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

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

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

\_\_\_\_\_  
John L. Creigh

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

\_\_\_\_\_  
Mehdi Hatamian

\*\*\*\*\*

IN TESTIMONY WHEREOF, I hereunto set my hand this 20<sup>th</sup> day of March, 2001.

David E. Kruse  
David E. Kruse

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

\_\_\_\_\_  
Arthur Abnous

\*\*\*\*\*

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\_\_.

\_\_\_\_\_  
John L. Creigh

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

\_\_\_\_\_  
Mehdi Hatamian


\*\*\*\*\*

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

\_\_\_\_\_  
David E. Kruse

\*\*\*\*\*

IN TESTIMONY WHEREOF, I hereunto set my hand this 16<sup>th</sup> day of March, 2001.

  
\_\_\_\_\_  
Arthur Abnous

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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\_\_.

\_\_\_\_\_  
John L. Creigh

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

\_\_\_\_\_  
Mehdi Hatamian

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

\_\_\_\_\_  
David E. Kruse

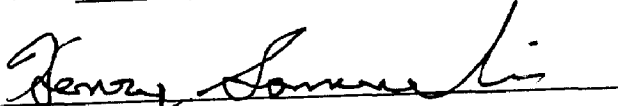
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IN TESTIMONY WHEREOF, I hereunto set my hand this \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Arthur Abnous

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IN TESTIMONY WHEREOF, I hereunto set my hand this 28 day of March, 2001.

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

PBH/cks  
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